University of Hyderabad

PROSPECTUS

2017-18

Online Registration Fee

General Category	**:**	**Rs. 350=00**
OBC Category	**:**	**Rs. 250=00**
SC/ST/PWD Category:		**Rs. 150=00**

UNIVERSITY OF HYDERABAD

(A Central University established by an Act of Parliament)

Visitor
The President of India

Chief Rector
The Governor of Telangana

Chancellor
Dr. C. Rangarajan

Vice-Chancellor
Prof. Appa Rao Podile

University's Official Address:
The University of Hyderabad
Prof. C. R. Rao Road,
P.O. Central University,
Gachibowli, Hyderabad 500 046,
Telangana, (India)
University's Website : http://uohyd.ac.in

University's EPABX: 040-2313 0000

Our Motto

सा विद्या या विमुक्तये

forms part of a verse appearing in
Vishnu-Purana (1.19.41)
The whole verse reads as follows:

तत्कर्म यन्न बन्धाय (सा) विद्या या विमुक्तये ।
आयासायापरं कर्म विद्यान्या शिल्पनैपुणमू ॥

The verse also occurs in the anthology of subhasitas entitled
"Sarangadharapaddhati" (No. 4396). In this latter work, the source of the
verse is given as Vasisthat. The verse obviously possesses and ethical-
spiritual import and may be translated as follows:

"That is (right) action which does not conduce to bondage; that is (true)
knowledge which conduces to final liberation or spiritual emancipation;
(any) other action would cause (mere) exertion; (any) other knowledge
implies mere skill in craft."

''बन्धन का कारण न हो, वही कर्म है और मोक्ष को
सिध्द करने वाली हो, वही विद्या है । इससे भिन्न
कर्म व्यर्थ परिश्रम रुप और भिन्न विद्याएँ केवल
कला-कौशल रुप ही हैं ।''

University's Website: http://www.uohyd.ac.in/

University of Hyderabad PROSPECTUS 2017-18

P.O. Central University
Hyderabad – 500 046
Telangana
India

Admission Enquiries:
Joint Registrar (Acad. & Exams.)
Tel. 040-2313 2102
Asst. Registrar (Academic)
Tel. 040-2313 2103

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Fax: 040 2301 0292

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Excellence in University System

To introduce the element of excellence in the University system, the University Grants Commission had identified a few Universities and granted them the status of 'Universities with Potential for Excellence'. Based on the evaluation and recommendations of a committee, the University Grants Commission declared the University of Hyderabad a 'University with Potential for Excellence'. The University was sanctioned a grant of Rs.30 crore under UPE Phase – 1 under this scheme for Interfacial Studies & Research and Holistic Development for a period of 5 years (2002-2007) and Rs.50 crore under the Phase - 2 (2012-2016).

University has been ranked seventh among India's best Universities by National Institute of Ranking Framework (NIRF) for the year 2017.

The Advanced Centre for Research in High Energy Materials (ACRHEM) on the University campus has been supported by DRDO for Research on High Energy Materials to the tune of Rs.113 Crores in the third phase.

Awarded top grade by NAAC

The University opted for a rigorous evaluation by the National Assessment and Accreditation Council (NAAC) of the University Grants Commission. The Apex Council of NAAC awarded the top grade to the University.

The University has gone through the reaccreditation process of the NAAC and the NAAC had awarded a Cumulative Grade Point Average (CGPA) of 3.72 on 4.0 scale at 'A' grade for a period of 5 years up to 2019 in the third cycle.

Rated a High Output-High Impact by NISSAT

The University has also been rated by the NISSAT (National Information System for Science and Technology) of the Department of Scientific and Industrial Research (DSIR), Government of India, as the only University under the 'High Output High Impact' category among the top 50 institutions in India with publications in citation index journals.

DST support for augmenting research facilities

The Department of Science and Technology (DST) of the Government of India sanctioned over Rs. 11.96 crore under the FIST (Fund for Improvement of Science and Technology) to four Science Schools of the University to augment research facilities.

In addition to this, the DST has established High Performance Computing Facility, Centre for Nanotechnology, Centre for Modeling, Simulation and Design at University of Hyderabad under the FIST Programme with a total financial support of Rs.24 crore.

A member of AIU and ACU

The University is a member of the Association of Indian Universities (AIU) and the Association of Commonwealth Universities (ACU).

THE UNIVERSITY

The University of Hyderabad, *a premier institution of postgraduate teaching and research* in the country, was established by an Act of Parliament (Act No. 39 of 1974) on 2nd October, 1974 as a Central University, wholly funded by the University Grants Commission.

The "*objects of the University*" as envisaged in the Act are: *"to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit and by the example of its corporate life, and, in particular, to make special provisions for integrated courses in humanities and science in the educational programmes of the University and to take appropriate measures for promoting inter-disciplinary studies and research in the University."*

The University's scenic and serene campus is spread over a vast stretch of land measuring about 2,000 acres, 20 kms from the city of Hyderabad on the old Hyderabad - Bombay road. Amidst the picturesque environment of the campus, several buildings catering to the academic needs, support facilities and residential requirements of the campus community have been constructed over the years. The University also has a city campus 'The Golden Threshold' the residence of the late Sarojini Naidu which was bequeathed to the University by her daughter, the late Padmaja Naidu.

Schools of Study

1. School of Mathematics and Statistics
2. School of Computer and Information Sciences
3. School of Physics
4. School of Chemistry
5. School of Life Sciences
6. School of Humanities
7. School of Social Sciences
8. School of Economics
9. Sarojini Naidu School of Arts and Communication
10. School of Management Studies
11. School of Medical Sciences
12. School of Engineering Sciences and Technology

The Schools of Mathematics and Statistics, Computer and Information Sciences, Chemistry, Economics, Management Studies, and Engineering Sciences & Technology are single discipline schools and the others are multi-department schools.

Departments / Centres of Study

The **School of Physics** has the following Centres:
1. Centre for Advanced Studies in Electronics Science and Technology (CASEST)
2. Advanced Centre of Research in High Energy Materials (ACRHEM)
3. University Centre for Earth and Space Sciences (UCESS)

The **School of Life Sciences** has the following Departments and a Centre:

1. Department of Biochemistry
2. Department of Plant Sciences
3. Department of Animal Biology
4. Department of Biotechnology and Bioinformatics
5. UoH DBT Centre for Research and Education in Biology and Biotechnology (CREBB)

The **School of Medical Sciences** has the following Departments and a Centre:
1. Centre for Health Psychology
2. Centre for Neural and Cognitive Sciences

The **School of Humanities** has the following Departments and Centres:
1. Department of English
2. Department of Philosophy
3. Department of Hindi
4. Department of Telugu
5. Department of Urdu
6. Centre for Applied Linguistics & Translation Studies
7. Centre for Comparative Literature
8. Department of Sanskrit Studies
9. Centre for the Study of Foreign Languages
10. Centre for English Language Studies
11. Centre for Dalit and Adivasi Studies and Translation
12. Centre for Endangered Languages and Mother Tongue Studies
13. Centre for Buddhist Studies

The **School of Social Sciences** has the following Departments and Centres:
1. Department of History
2. Department of Political Science
3. Department of Sociology
4. Department of Anthropology
5. Department of Education and Education Technology
6. Centre for Regional Studies
7. Centre for Folk Culture Studies
8. Centre for Social Exclusion and Inclusive Policy
9. Centre for the Study of Indian Diaspora
10. Centre for Knowledge, Culture & Innovation Studies
11. Centre for Human Rights
12. Centre for Women's Studies

13. Centre for Ambedkar Studies

The S.N. School of Arts and Communication has the following Departments:
1. Department of Dance
2. Department of Theatre Arts
3. Department of Fine Arts
4. Department of Communication

Other Centres offering Academic Programmes

1. College for Integrated Studies (CIS)

All Schools of the University, Departments and Centres are located on the main campus in Gachibowli. Several of the Schools and Departments of the University have obtained financial support from the University Grants Commission under the Special Assistance Programme and COSIST for excellence in teaching and research.

Over the years, the teaching and research programmes of the University have been firmly established. The students are selected through a nationwide entrance test. About 35% of the students are Ph.D. scholars and more than 38% of the students are women. Till 31.12.2016, over 27,172 students of the University had been awarded various degrees through formal education, which consists of 2,639 Ph.Ds. 4,475 M.Phils., 2,278 M.Techs and 17,780 Postgraduate Degrees and Diplomas. The Faculty of the University include 186 Professors, 73 Associate Professors, and 139 Assistant Professors.

The Faculty of the University have published widely and have obtained research support from several funding agencies. Several Faculty members have won national and international awards and honours in recognition of their outstanding work in their respective fields.

ABOUT HYDERABAD

Founded by Quli Qutub Shah in 1591, this large metropolis is unique in its rich architectural glory and blend of diverse linguistic, religious and ethnic groups and is an ideal place indeed to locate a Central University. The weather for most part of the year is pleasant except for the months of April and May when the temperature is likely to go up to 40°C. The intellectual climate is vibrant. Hyderabad is home to nine major Universities and several research institutions, laboratories and libraries.

MEDIUM OF INSTRUCTION, COURSES, CRITERIA FOR ADMISSION AND ENTRANCE EXAMINATIONS

Medium of Instruction

The medium of instruction for all the courses is **English** except the language courses for which the medium of instruction is the **language concerned**.

Courses of Study

Admissions during 2017-18 are open for the following courses:

IMA/IM.Sc. Courses (5-year Integrated   )

I.M.Sc. Courses in Sciences   **(10 Semesters)**

Mathematical Sciences

Physics

Chemical Sciences
Systems Biology
Optometry & Vision Sciences

Health Psychology

Earth Sciences

I.M.A. Courses in Humanities   *(10 Semesters)*

Hindi, Telugu, Urdu and Language Sciences

I.M.A. Courses in Social Sciences   *(10 Semesters)*

Economics, History, Political Science, Sociology and Anthropology

Postgraduate Courses

M.Sc. courses   **(4 Semesters)**

Mathematics/Applied Mathematics
Statistics-OR
Physics
Chemistry
Biochemistry
Plant Biology & Biotechnology
Molecular Microbiology
Animal Biology and Biotechnology
Biotechnology*
Ocean and Atmospheric Sciences
Health Psychology
Neural and Cognitive Science

* The admissions for M.Sc. Biotechnology course will be based on the allotment made by the Jawaharlal Nehru University (JNU), New Delhi which will conduct a common entrance test in May 2017.

M.C.A.	**(6 Semesters)**
M.B.A. Business Analytics	**(4 Semesters)**
M.B.A. Health Care and Hospital Management	**(4 Semesters)**
M.B.A.	**(4 semesters)***

The admissions to MBA course for the academic year 2017-18 have been completed based on the percentile scores of the applicants in CAT 2016 followed by Group Discussion/Interview.

M.A. courses   **(4 Semesters)**
English
Philosophy
Hindi
Telugu
Urdu
Applied Linguistics
Comparative Literature
English Language Studies
History
Political Science
Sociology
Anthropology
Economics
Financial Economics
Communication

M.P.A. Dance   **(4 Semesters)**

(Kuchipudi and Bharatanatyam)

M.P.A.Theatre Arts   **(6 Semesters)**

M.F.A. Courses   **(4 Semesters)**
Painting, Print Making and Sculpture
Art History & Visual Studies

Master of Public Health (MPH)   **(4 semesters)**

Master of Education (M.Ed.) subject   **(4 semesters) : The course shall be offered to University getting approval from NCTE.**

M.Tech. Courses   (4 Semesters)
Computer Science
Artificial Intelligence
Information Technology -   (The course is offered in collaboration with IDRBT, an Institute established by the Reserve Bank of India)

Integrated Circuit Technology (I.C.T.)

Bioinformatics -   (The course is offered in collaboration with the Centre for DNA Fingerprinting and Diagnostics [CDFD], Hyderabad)

Materials Engineering

5-year Integrated M.Tech. in Computer Science   (10 semesters)

M.Phil. Courses   (2 Semesters)
English
Philosophy
Hindi
Urdu
Applied Linguistics
Translation Studies
Comparative Literature
English Language Studies
Dalit and Adivasi Studies and Translation
History
Political Science
Sociology
Anthropology
Regional Studies
Social Exclusion & Inclusive Policy
Indian Diaspora
Economics

Ph.D. Programmes   *(3 to 6 years)*
Mathematics
Applied Mathematics
Statistics / Operations Research (OR)
Computer Science
Physics
Electronics Science
Earth & Space Sciences
ACRHEM
Chemistry
Biochemistry
Plant Sciences
Animal Biology & Biotechnology
Biotechnology
English
Philosophy

Hindi
Telugu
Urdu
Applied Linguistics
Comparative Literature
Sanskrit Studies
English Language Studies
Dalit and Adivasi Studies and Translation
History
Political Science
Sociology
Anthropology
Regional Studies
Folk Culture Studies
Social Exclusion & Inclusive Policy
Indian Diaspora
Human Rights
Gender Studies
Economics
Dance
Communication
Management Studies
Health Sciences
Psychology
Cognitive Science
Materials Engineering

Integrated M.Sc./Ph.D.   (2 to 8 years)
Biotechnology

NOTE:

1. *The University reserves the right to cancel/not to offer any of the courses mentioned above.*

2. *Candidates seeking admission to any of the Ph.D. programmes listed above should note that it may not be possible to work under a supervisor of her/his choice if the supervisor is already guiding more students than the number prescribed by the UGC regulations 2016.*

3. *For admission to Ph.D. Computer Science and Electronics Sciences (under Visvesvaraya Ph.D. Scheme, Govt. of India) for which separate advertisement will be released later.*

Criteria for Admission

The University offers facilities for Postgraduate, 5 -Year Integrated Master's Degree Courses, and Research Studies in several major areas in Sciences, (including Medical Sciences, Engineering Sciences & Technology), Humanities, Social Sciences, Performing Arts, Fine Arts, Communication and Management Studies.

Admission to the University is open to all who fulfill the prescribed qualifications without any distinction of race, caste, creed, language or sex. The selection is made strictly on the basis of merit at the entrance examination.

No student shall be eligible for admission to the Postgraduate Degree Courses unless she/he has successfully completed a three year Undergraduate Degree through an examination conducted by a University/ Autonomous College. However, as a transitory measure, a candidate who has passed a two year degree course may also be considered for admission provided she/he has undergone a further one year bridge course and passed the same.

The minimum eligibility requirements for admission to the above courses are given in a tabular form at the end of this chapter.

The eligibility of candidates passing their qualifying examinations from Universities following the letter grading system / CGPA will be determined on the basis of percentage equivalent to the letter grade/ CGPA obtained by the candidates according to the conversion formula adopted by the University concerned. In the absence of any such formula, the decision of the University shall be final and binding on the candidates.

Candidates who may be appearing for the qualifying degree examination and expecting their results and certificates before 31.7.2017 may also apply for admission.

Candidates who have completed or will be completing all the formalities viz., written the theory examinations, completed practical examinations, submitted Project reports, completed viva-voce exams etc. before 31.7.2017 and are waiting for the results of the qualifying degree examination and those who are due to appear in the qualifying degree examination in the above stated aspects and expecting their results to be declared and are getting their certificates before **31 July, 2017** will also be allowed to appear for the entrance test. The condition is that, in case of their selection to a course in the University, they should submit the certificates of the qualifying degree examination and other earlier examinations positively at the time of completion of the admission. However, the University may give extension of

time up to **31.8.2017** to submit the certificates of the qualifying degree examination. Such candidates will be given conditional admission up to **31.8.2017** only. ***However, this facility shall not be extended to those who are taking regular or supplementary or improvement examinations of the qualifying degree after 31.07.2017 and waiting for the results.*** In the event of the concerned students failing to (i) submit their certificates of the qualifying Degree examination by **31.8.2017**, and (ii) not passing the qualifying degree examinations with the prescribed percentage of marks, they will not be allowed to attend classes any further and their conditional admission shall be cancelled forthwith. No request will be entertained for extension of time to submit the certificates under any circumstances beyond **31.8.2017**.

In case of non-submission of other certificates like Transfer Certificate, Migration Certificate and any other academic certificate other than the qualifying degree examination certificates, students may be allowed time upto **31.8.2017**, failing which the Provisional admission of such candidates shall also be cancelled forthwith.

In the case of candidates admitted into Ph.D. programmes under the result awaited category those who have completed all the formalities including the viva voce of their M.Phil./M.Tech. Courses before the date of their admission **or 31.8.2017** whichever is earlier and are awaiting their results may be allowed to submit their M.Phil or M.Tech results and certificates within a maximum period of one year from the date of their admission. During this period, they will not be paid any scholarship or fellowship. Once they submit the certificates, proving their eligibility for admission into the Ph.D., their scholarship/fellowship will be paid with retrospective effect from the date of their admission. If they fail to submit the results and the certificates within one year, their admission shall stand cancelled forthwith.

All courses at the Master's Degree level, 5-Year Integrated Master's Degree, M.Phil, M.Tech, 5-year Integrated M.Tech in Computer Science, and Integrated M.Sc./Ph.D. are full time regular courses. For Ph.D. programmes, the candidates are encouraged to join as regular students. However, for those who are not in a position to do research on full time basis, a limited provision exists for part time research. Facility is also available for external registration to Ph.D. on regular basis at the recognized Centres of the University. The details are given in subsequent paragraphs of this chapter.

Students admitted to the regular courses are not allowed to pursue any other course except part time evening Certificate/Diploma Course of a Professional nature with

prior permission of the School /Department / Centre concerned of the University. They are also not allowed to take up any employment during the period of their studies in the University. Those employed, if selected for admission, are required to submit at the time of completion of their admission, a "No Objection Certificate" besides orders from the competent authorities sanctioning leave covering the entire duration of the course, failing which, the provisional selection for admission for such candidates will be cancelled.

Reservation of Seats

1. Reservation of seats for SC and ST candidates:

In accordance with the policy of the Government of India and the guidelines of the University Grants Commission, the University has reserved 15% of seats in each course for candidates belonging to the Scheduled Castes and 7.5% for those belonging to the Scheduled Tribes, with a provision for inter changeability between these categories, wherever necessary*. Candidates should submit a copy of the certificate of their caste/ tribe from a Revenue Officer not below the rank of Tahsildar / Mandal Revenue Officer at the time of interview, admission/counselling*. Remedial courses in English and other subjects are conducted for such students depending upon the actual need.

Note: SC/ST candidates belonging to the State of Telangana and Andhra Pradesh should submit an Integrated Community Certificate issued by the competent revenue authority.

For admission to all Postgraduate Courses, viz., M.A., M.Sc., M.C.A., M.F.A., M.P.A., Courses and 5-Year Integrated Master's Degree Courses, the minimum eligibility condition for SC/ST candidates is **"Pass"** in the minimum qualifying examination.

For admission to M.Phil. and Ph.D. a **relaxation of only 5%** marks in the minimum eligibility condition is provided to SC/ST/OBC and PH candidates.

2. Reservation of seats for OBC candidates: In accordance with the policy of the Govt. of India and the guidelines of the University Grants Commission, 27% of the seats in each course are reserved for OBC (non-creamy layer category) candidates. There is no relaxation in minimum qualifications for admission. Candidates claiming reservation under this category must enclose an attested copy of the OBC (non-creamy layer) certificate issued by a competent authority in the **format prescribed by GOI** without which their claim will not be considered under OBC category.

3. Reservation of seats for the Persons with Disability (PWD) (physically challenged) candidates

5% of seats on approved intake in each course are provided as supernumerary seats for the physically challenged candidates having minimum degree of disability to the extent of 40% provided that their physical disability does not come in the way of pursuing the course. This is split into: visually challenged (VH), hearing impaired (HI) and orthopedically handicapped (OH) candidates with a provision of interchangeability. The minimum eligibility requirements prescribed are relaxed in their cases as in the cases of SC / ST candidates. The candidates under this category should take the entrance examination for admission. *Physically Challenged candidates are required to submit a certificate from a Medical Board/Civil Surgeon of a Govt. Hospital indicating the extent of visual/physical disability and also the extent to which the disability hampers the candidate in pursuing her/his studies.* The candidates under this category are exempted from the payment of tuition and other fees to the University.

The candidates under this category may have to undergo a fresh medical examination, if so prescribed by the University, before being admitted.
Visually challenged candidates appearing for the entrance examinations will be given extra time of 20 minutes for two hour papers and will also be allowed the use of a personal typewriter during the examination. The University will provide scribes for such candidates.

4. **Reservation of seats to the wards/dependents of Defence personnel**

Up to 5% of seats on the approved intake in each course are provided as supernumerary seats for the wards/dependents of Defence Personnel. The candidates should enclose a copy of the certificate issued by a competent authority in support of their claim without which their claim will not be considered. The candidates under this category should take the entrance examination for admission and fulfill all other requirements of admission.

5. **Reservation of seats for Kashmiri Migrants:**

Interested **Kashmiri Migrant** candidates shall apply **online** between **03-04-2017 to 05-05-2017** and pay prescribed fee through **online** link only (http://.acad.uohyd.ac.in). The Hard copy of online application along with the certificate of being Kashmiri Migrant be forwarded

to: Assistant Registrar (Acad), University of Hyderabad, P.O. Central University, Gachibowli, Hyderabad – 500046 latest by : **20/05/2016.**

Note :

1) *No other mode of submission of application will be accepted or entertained except the procedure as laid down above.*

2) *If the Kashmiri migrant candidates wish to appear for the Entrance Examination then they should apply separately.*

Reservation of seats for candidates coming from Jammu & Kashmir under special scholarship scheme: As proposed by the UGC, two supernumerary seats have been created for admitting the students coming from the state of Jammu & Kashmir under MHRDs special scholarship scheme. **As per the AICTE guidelines, this is only for those candidates who have passed 10+2 exam from the state of Jammu & Kashmir and would like to join undergraduate programmes in general degree, medical, architecture, pharmacy, law, nursing, agriculture, fisheries, horticulture, veterinary science, etc. The candidates need to apply through the dedicated website of AICTE for joining any of the above course in the universities/colleges allotted to them though AICTE counselling. The details of the guidelines of the special scholarship scheme for J&K may be seen at http://aicte-jk-scholarship.in**

Admission of Foreign Nationals 2017-18

Definition:

For the purposes of admission to the UoH, the term "Foreign National" implies any candidate holding a passport of a foreign country[1]. This category would include any Person of Indian Origin (PIO) or, Overseas Citizen of India (OCI) card holder who has a foreign country's passport.

Number of seats:

As per UGC guidelines Foreign Nationals will be admitted over and above the approved intake in a course up to a maximum of 15% of the approved intake in each course, depending upon the availability of adequate infrastructure. All the available seats may not be filled in a particular year if a subject's Admission Committee does not recommend anyone or if a program has inadequate infrastructure. Foreign nationals seeking admission through ICCR or other governmental agencies may apply to the University in the prescribed form through the respective bodies.

Eligibility:

a)   **Applications**:

The University may consider admission of foreign nationals, "*in absentia*", on the basis of their desire "to be considered *in absentia*.[2] Their admission under the 15% bracket for International Student, to any program is subject to the condition that they are found suitable for admission by the Admissions Committee of the Centre/Department/School.

b)   **Academic qualification**: A prospective Foreign National has to fulfil the eligibility conditions, including the required qualifying degree and marks/grades, as prescribed for Indian students. These conditions can be found in the prospectus which is available on the University website (**www.uohyd.ac.in or http://acad.uohyd.ac.in**). In case a student's parent University does not have a program which is prescribed as minimum eligibility condition, equivalent program may be considered. In this respect the Admission Committee's decision is final.

1   NRI's with Indian Passport are Indian Nationals and therefore, cannot be considered as International Students.

2   Foreign Nationals whose qualifying degree is from India and who are resident in India at the time of application, in order to be considered for admission into any program/course should take some part of the entrance examination in the form of Interviews in the University as prescribed by the Centre/Department/ School. See additional requirements for School of Computer and Information Sciences, Department of Bioinformatics and Biotechnology, check weblink: **http://moodle. uohyd.ac.in/index.php/component/content/article/160-admissions/internationa-students/339**

c)   **English proficiency**: Proficiency in English is a pre-condition for admission of foreign nationals. It is mandatory that all Foreign Nationals should provide one of the following two scores. The score should not be older than two years. International English Language Testing System (**IELTS**)—Academic version—minimum score of 6.5 is required; Test of English as Foreign Language (**TOEFL**)—paper-based TOEFL: a minimum score of 560 is required; Computer-based TOEFL: a minimum score of 220 is required; internet-based TOEFL: a minimum score of 80 is required.

Applications should be accompanied by copies of relevant certificates, marks sheets together with the English version of such copies duly attested, if they are in a different language. All foreign nationals seeking admission to the University will be required to produce a medical certificate of fitness from a recognized hospital in their country. Those offered admission

may also be required to undergo a comprehensive medical examination as prescribed by the University.

Deadline for receiving applications :

Foreign Nationals may apply for admission any time during the year. However, the deadline for being considered for any academic year (which generally begins in mid-July) is April 15 of that year. The decision of Admissions Committee will be intimated to the candidates by May 31. For all other details of application form and admission, please visit **http://moodle. uohyd.ac.in/index.php/component/content/article/160-admissions/internationa- students/339. All completed application forms with relevant documents and enclosures can be sent by e-mail to acadinfo@uohyd.ernet.in or ar_acad@uohyd.ernet.in** or by post **to the Assistant Registrar (Academic Section), University of Hyderabad, P.O. Central University, Gachibowli, Hyderabad – 500 046, Telangana**

Entrance Examinations

1.   **The question paper should be answered only in English** except in the case of admission to **language courses** for which the **question paper should be answered in the language concerned.**

2.   The Entrance Examinations for various P.G. Degree Courses (other than those offered by the Sarojini Naidu School and M.Sc. Ocean and Atmospheric Sciences, Health Psychology and MBA Health Care and Hospital Management, MBA Business Analytics), I.M.Sc. (5-year Integrated) courses in Sciences and I.M.A. (5-year Integrated) courses in Humanities and Social Sciences will consist of only a written test of 100 marks.

3.   The entrance examinations in the case of MPA, MFA and M.A. in Communication in the Sarojini Naidu School, MBA Health Care and Hospital Management, MBA Business Analytics   will consist of a written test and a practical test/interview. Only such candidates who are found successful in the written test will be called for the practical test/interview at Hyderabad. *The tentative schedule for the written test, practical test/ interview for all the courses is given in a tabular form at the end of this chapter.*

4.   The entrance examination for the **M.Sc. Ocean and Atmospheric Sciences, Health Psychology and MBA Health Care and Hospital Management, MBA   Business**

Analytics, M.Phil. Integrated M.Sc./Ph.D. Biotechnology; and Ph.D. in different subjects will consist of a written test and an interview (after qualifying in the former). The written test will carry 75 marks and the interview 25 marks.

Admissions in **M.Tech. Computer Science, Artificial Intelligence, and Information Technology** will be granted only on the basis of GATE scores in Computer Science and Information Technology (No written test or interview will be conducted).

The admission to **5-Year Integrated M.Tech**. **Computer Science** will be done through JEE(Main) examination score 2017.

Admission in **M.Tech. IC Technology** is based only on the GATE scores in the order of merit in one of the following: 1) Electronics and Communication Engineering, 2) Instrumentation Engineering and 3) Physics. There is no written test or interview for admission to this course.

Admission in **M.Tech. Bioinformatics** is also based on the percentile score obtained in GATE examination and followed by an interview. GATE in the following subjects will be considered: Biotechnology – BT; Chemistry – CY; Mathematics - MA; Physics – PH; Agricultural Engineering – AG; Electronics & Communication Engg. – EC; Computer Science and Information Technology – CS; Chemical Engineering – CH.

Please see section on **Minimum qualifications for admission to various courses and intake for the academic year 2017-18**, for instructions to sponsored candidates.

5.   The performance of the candidates in the test consisting of objective or multiple choice questions will be evaluated using the OMR technology as listed below. The candidates will be required **to mark the answers in the OMR Sheet with blue or black ball-point or sketch pen** during the test. Necessary instructions will be given in the relevant question papers.

The question paper for the following subjects shall be answered on OMR sheet:
I.M.Sc. and I.M.A. (5-year Integrated) in different disciplines; M.Sc. - Mathematics/Applied Mathematics, Statistics-OR, Physics, Chemistry, Biochemistry, Plant Biology & Biotechnology, Molecular Microbiology, Animal Biology & Biotechnology, Ocean and Atmospheric Sciences, Health Psychology; M.C.A., Master of Public Health (MPH); M.A. -

English, Philosophy, Hindi, Telugu, Applied Linguistics, Comparative Literature, History, Political Science, Sociology, Anthropology, Economics, Communication, M.Phil. – Hindi, Comparative Literature, Economics, Anthropology, M.Tech. Bioinformatics, Ph.D. in Computer Science, Physics, Chemistry, Biochemistry, Plant Sciences, Animal Biology, Biotechnology, Hindi, Telugu, Applied Linguistics, Translation Studies, Comparative Literature, Anthropology, Economics, Management Studies, Materials Engineering, Cognitive Science and Integrated M.Sc./Ph.D. Biotechnology.

Note:

a) The question paper of some more subjects viz., M.Phil. English, Urdu, English Language Studies, Dalit and Adivasi Studies and Translation, Political Science, Sociology, Ph.D. in English, Urdu, Comparative Literature, English Language Studies, Dalit and Adivasi Studies and Translation Studies, Political Science, Sociology need to be answered partly in OMR sheet and partly in a separate answer book as per the instructions provided in the question paper.

b) There is a possibility of some more subjects to be added in the above list. Therefore, the instructions on the question paper concerned shall be final.

5. The written tests for all the courses will be held from **1ˢᵗ June to 5ᵗʰ June, 2017** at 37 different Centres in the country, as listed in this chapter.

6. **The duration** of the written test for all courses will be **two hours**.

7. **A candidate is free to apply for admission to as many courses as She/he wishes after ensuring from the schedule for the Entrance Examination that there is no clash in the subjects of his/her choice.** *The University has made the best possible efforts to avoid overlap in the schedule of examinations of related subjects to the extent possible. The candidates are advised to study the examination schedule carefully before deciding on their choice of subjects.*

8. **Please read the following carefully**:

The question paper for the entrance test for all courses (except for M.Phil. and Ph.D. courses - please see the Chapter on 'Schools of Study' for further details) shall consist of two parts - Part-'A' and Part- 'B'.

All candidates applying for M.Phil. and Ph.D. courses may refer to UGC Regulations 2016 for details at http://www.ugc.ac.in/pdfnews/3375714_API-4th-Amentment-Regulations-2016.pdf

The Question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two section, as per the UGC Regulations 2016. Part A, 40 marks, will be Research Methodology, broadly will be as follows :

Research Methodology : "The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

It was decided that this part of the Entrance Test be in the lines of Paper-1/Part-1 of the UGC-CBSE/CSIR JRF exam.

Part B : 40 marks, will be on subject concerned.

Negative marking in the whole Question paper or for any Part shall be the choice of the School/Department/Centre.

The Entrance Exam marks shall be used only for shortlisting candidates to be called for interview.

The Interview will be conducted for 25 marks.

The basis of final shortlisting of candidates for admission will be on merit of marks obtained in **Interview only.**

The Admission Committees may consider giving weightages to the following components :

1. Research Proposal and its defence
2. Academic Record/Performance in PG/Gold Medal/Performance in the Written Test
3. Having fellowship/M.Phil/NET/SET
4. Publications
5. Research Experience

The Admission Committee has to record and report the details of the criteria adopted or weightages given to the candidates at the time of interview while forwarding the marks.

The marks obtained by the candidates in Part 'A' will be used for resolving tie cases.

The following criteria shall be followed, in sequence to resolve ties, where candidates secure the same marks in the written test:

  (a) ***First criterion***: Marks obtained in Part - A of the written test.

  (b) ***Second criterion***: Marks obtained by the candidates in the qualifying degree/other examination. If the final result is not available, then the marks up to the 2nd year will be taken into account**.**

(c) ***Third criterion***: Marks obtained in the degree examination immediately preceding the qualifying degree examination**.**

(d) ***Fourth criterion***: Marks obtained in the next lower public examination**.**

9. Interviews for candidates short-listed for admission to M.Phil, M.Tech, and Ph.D. on the basis of written test will be held from **7th July to 12th July 2017** and for the courses offered by the S.N.School to be held between **28th June – 1st July and,** in the respective Schools/ Departments/ Centres.   **However, exact dates of the interview/practical test will be notified and made available on the University website for the information of the short listed candidates.**

10. **Candidates called for the entrance examinations (Both written and/or practical test / interview) will appear for the examinations at their own expense.**

11. **No cut off marks in the entrance examination:** The University has decided not to have any cut off marks in the entrance examination i.e., in the written test or interview or written test plus interview put together for admission to any course for any category during the year 2017-18. Wherever the admission is based on written test and interview, the candidates to be called for interview in ratio upto 6 times of the approved intake.

12. All previous years question papers are available at the link given below:

http://igmlnet.uohyd.ac.in:8000//question-papers.html

Schedule for notification of the entrance examination results etc. and making them available on the University website

	Particulars of the scheduled event		
	Notification of shortlisted candidates for interviews/ practical tests	Notification of shortlisted candidates for Admission counselling	Notification of list of selected candidates s (Main & waiting lists)/Admission counselling
PG Degree Courses in Sciences (except Health Psychology), Humanities, Social Sciences and I.M.A./I.M.Sc. (5-year Integrated) Courses	---	---	**1.7.2017**
M.Tech. Bioinformatics, M.Phil, Ph.D, Health Psychology and MBA in Health Care and Hospital Management, MBA Business Analytics	**26.6.2017**	---	**26.7.2017**
M.Tech. CS/AI/IT, IC Tech., 5-year Integrated M.Tech. in CS	---	**19.6.2017**	---
P.G. courses of S.N. School	**19.6.2017**		**5.7.2017**
These are tentative dates, the exact dates shall be notified in our website.			

 Note:*(i) The Entrance results will be made available on the internet:*http://acad.uohyd.ac.in;
The University will not communicate any of the above information to the candidates concerned by post. Therefore, it is the responsibility of the candidates to obtain the information on their selection by visiting the University website.

(ii) No request for extension of time for interview/practical test **or** for completion of admission will be entertained on account of any reason/s whatsoever.

Commencement of classes for all courses:
PG courses/5-year Integrated/M.Tech. CS/AI/IT   **17.7.2017**
PG courses of S.N. School & M.Sc. Health Psychology   **17.7.2017**
M.Phil. & Ph.D. programmes   **09.8.2017**

1) Wherever interview is a component of entrance examination for admission, though the candidates secure more than the marks secured by the last candidate under the selected list in

the written test / **weightage** and **fail to appear for the interview shall not be entitled for admission** as the interview is an essential component of the entrance examination wherever the interviews are prescribed.

2) **Part time registration to Ph.D**.: Facility exists to 1/8th of the total strength for all Schools/ Departments/Centres except School of Computer Information Sciences (SCIS) and School of Engineering Sciences and Technology (SEST) which can have upto 25% for part time registration for Ph.D. Programmes. Persons engaged in teaching and research in reputed institutions are eligible for admission under this category, provided they fulfill the minimum eligibility requirements and are found successful in the entrance examination as prescribed. This facility is limited to those working in the twin cities (Hyderabad and Secunderabad) in respect of Science Schools (except Mathematics and Statistics) and anywhere in Telangana and Andhra Pradesh for the remaining Schools. However, the conversion of part time Ph.D, to full time Ph.D. is not permissible.

3) **External Registration to Ph.D.:** The University also provides facility for admission to the Ph.D. under External Registration category. The external candidate shall work at the recognized institution. The admission procedure is the same as in the case of regular admissions to Ph.D. Candidates will be under joint supervision viz., one from the University and the other from the recognized institution.

In the case of External Registration to Ph.D in Computer Science, the **c**andidates who are working in the following Institutes given below in the twin cities alone are allowed to register under this category. Candidates who register under external registration should have a recognized guide (recognized by the University) from the parent organization (listed below), and also a guide from the School of Computer and Information Sciences.

* NRSA *CMC *ADRIN *ANURAG *RCI *IDRBT * NGRI * CDAC *ATC of TCS

List of Institutions recognized as External Centres

The following Institutions in the twin cities of Hyderabad and Secunderabad have been recognized by the University for External Registration to Ph.D. in the subjects indicated against them.

S.No.	Name of the Institution	Subject/s of Research
1	National Remote Sensing Agency	Computer Science, Physics, Earth & Space Sciences
2	Computer Maintenance Corporation Ltd.	Computer Science
3	Defence Metallurgical Research Laboratory	Physics, Engineering Sciences & Technology
4	Centre for Economic and Social Studies	Economics, Political Science, Anthropology and Regional Studies
5	National Institute of Small Industry Extension Training	Economics and Anthropology
6	Institute of Public Enterprise	Economics

7	Advanced Data Processing Research Institute	Computer Science
8	Directorate of Rice Research	Life Sciences
9	Directorate of Oil Seeds Research	Life Sciences
10	Bhagwan Mahavir Medical Research Centre	Life Sciences
11	Advanced Numerical Research and Analysis Group (ANURAG)	Computer Science
12	Dr. Reddy's Research Foundation	Chemistry and Life Sciences
13	International Crops Research Institute for Semi Arid Tropics (ICRISAT)	Life Sciences
14	Research Centre Imarat (RCI)	Computer Science
15	Centre for DNA Fingerprinting and Diagnostics (CDFD)	Life Sciences
16	National Institute of Rural Development (NIRD)	Economics, Political Science, Sociology, Anthropology and Regional Studies
17	Institute for Development and Research in Banking Technology (IDRBT)	Computer Science, Information Technology, Management Studies
18	Indian Institute of Chemical Technology	Chemistry
19	L V Prasad Eye Institute	Biochemistry, Animal Science and Communication
20	Shantha Biotechnics	Animal Sciences
21	Indian Immunologicals	Animal Sciences
22	Administrative Staff College of India (ASCI)	Management Studies
23	Blue Peter Research Centre	Animal Sciences
24	National Geophysical Research Institute (NGRI)	Computer Science, Artificial Intelligence, Physics, Chemistry and Earth & Space Sciences
25	National Institute of Nutrition (NIN)	Biochemistry
26	International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI)	Engineering Sciences & Technology, ACRHEM and Physics
27	Non-ferrous Materials Technology Development Centre (NFTDC)	Engineering Sciences & Technology
28	Institute of Life Sciences (ILS)	Chemistry and Life Sciences
29	Centre for Development of Advanced Computing (CDAC)	Computer/Information Sciences
30	Advanced Technology Centre (ATC) of TCS	Computer/Information Sciences, Life Sciences
31	Bharat Biotech Foundation	Life Sciences
32	Aurigen Discovery Technologies	Chemistry and Life Sciences
33	Asian Health Care Foundation	Life Sciences, Medical Sciences
34	Global Medical Education and Research Centre	Life Sciences
35	Indian National Centre for Ocean Information Sciences (INCOIS)	Earth and Space Sciences
36	National Institute of Animal Biotechnology	Animal Sciences, Biochemistry, Biotechnology and Bioinformatics

Ph.D. admissions for January 2018

After completion of the regular admissions in June/July, 2016, vacant seats if any, in the Ph.D. programmes may be filled, for which the candidates have to apply in the prescribed application form. Written test will be conducted at **Hyderabad centre** only. Based on written test performance, candidates will be shortlisted for Interview.   Selections for admission will be made based on the performance of the candidates in the interview. However, the conversion of part time Ph.D. to full time Ph.D. is not permissible.

The University will not issue any press notification in this regard. However, information indicating the likely number of seats to be filled in each School/Department/Centre, will be available at the University's web site: www.uohyd.ac.in

Note: Candidates for admission to Ph.D during the above session **should possess the certificates of their qualifying degree examination by the date of their interview**. Selected candidates must submit all their qualifying degree certificates and other certificates required at the time of admission. Extension of time will not be granted for submission of any of the certificates during these sessions and the provisional selection for admission will automatically stand cancelled in the case of those who are unable to submit the certificates required for admission on the date of completion of the admission formalities.

Semester-wise Registration System

In order to maintain an effective enrolment of students and their progress in their studies/research, the University has introduced a system of student registration at the beginning of each semester for all the courses offered on regular basis including part time/external/associate registration for Ph.D. A schedule for semester-wise registration is given in the Academic Calendar in the Prospectus. However, a schedule for semester wise registration will be notified by the Academic Section from time to time. Students of all the courses (P.G./ I.M.A./I.M.Sc. (5-Year Integrated) / M.Phil./ M.Tech./ Ph.D./ Integrated M.Phil./Ph.D./Integrated M.Sc./Ph.D.), are required to clear their dues of the earlier semester/s in all respects in order to be eligible for the registration to the following semester. Every Ph.D. student (regular/part-time/external) should enclose a copy of the report of the doctoral committee of the previous semester to the requisition form of the semester registration, without which ongoing semester registration will not be done.

Implementation of Credit System for all the courses

The credit system has been implemented for all the courses/programmes offered by the University. The guidelines for evaluation of students under this system are available in **Chapter 6** of this brochure.

General

1) Before filling the Online Application Form, candidates are advised to read the instructions carefully and complete the form accordingly, particularly about their performance in the qualifying degree or earlier examinations. This is necessary since the performance of the candidates in the qualifying degree and earlier examinations shall be used in determining

relative positions in the merit list for those candidates who secure the same marks in the written test (tie cases)

2)The last date for receiving the completed applications for admissions for the July session is **May 5, 2017.** Applications received after the closing date will not be considered. *For further details, please refer to the "Instructions to the Candidates for filling the application form".*

3)All disputes are subject to Hyderabad jurisdiction.

Hall Tickets for the Entrance Examinations:

a) The Hall Tickets will be made available for downloading on the University website by **22nd May 2017**. The University will not send the hall tickets by post.

b) The candidates are required to download the hall tickets and appear for the examination at the Centre opted for. **Candidates will not be permitted to write the entrance exam at any other Centre except the Centre mentioned in the hall tickets downloaded.**

c) It may be noted that all those who apply may be issued Hall Tickets without verifying whether or not they satisfy the eligibility criterion for admission to a course. This will be examined at the time of final admission, if granted. The candidates are therefore advised to go through the Prospectus-cum-application 2017-2018 carefully and judge their eligibility before submitting their application forms. Despite this caution, in case the candidates do not meet the minimum eligibility criteria and still apply for the entrance examination, they will do so at their own risk and cost. Mere issue of Hall Ticket and allowing a candidate for entrance examination including interview/practical test and allowing a candidate to complete the admission which is provisional will not entitle a candidate for any claim on the provisional admission if she/he does not fulfil the required eligibility conditions for admission as prescribed in the Prospectus-cum-application form 2017-18 **which will be verified at the time of admission. At any stage (during the pursuance of the course/programme if it is found that any candidate does not fulfill the minimum eligibility requirements**, the provisional admission that was granted, shall be cancelled forthwith.

d) *Use of cell/mobile phones in the Examination Hall is strictly prohibited.*

Candidates will be required to produce the Hall Ticket at the time of the entrance examination/ interview/ practical test and completion of admission, if granted.

List of Examination Centres

1.	Ahmedabad	AHM	Kendriya Vidyalaya No.1, MR Campus, Shahibaug, Ahmedabad – 380 004
2.	Aizawl	AIZ	Kendriya Vidyalaya Aizawl Mizoram - 796017
3.	Anantapur	APR	Kendriya Vidyalaya, SKU Campus, S.V.Puram P.O., S.K.University Anantapur - 515003
4.	Bengaluru	BAN	Kendriya Vidyalaya Malleswaram, 18th Cross, Malleswaram, Bangalore -560055
5.	Bhopal	BPL	Kendriya Vidyalaya No.1, Opp. Maida Mill, Hoshangabad Road, Bhopal – 462 011
6.	Bhubaneswar	BNR	P.G. Department of Political Science, (Old Arts Block), Utkal University, Vani Vihar, Bhubaneswar (Odisha) - 751004
7.	Calicut	CAL	The Zamorin's Guruvayurappan College, Kozhikode, P.O. GA College, Calicut 673014
8.	Chennai	CNI	Kendriya Vidyalaya Annanagar, G.P.R.A. Campus, Thirumangalam, Chennai – 600 040
9.	Cochin	CHN	Department of Polymer Science & Rubber Technology, Cochin University of Science and Technology, Kochi – 682022 – Kerala
9.	Coimbatore	CMB	Kendriya Vidyalaya, Meena Estate, Sowripalayam Coimbatore – 641 028
10.	New Delhi	DEL	Kendriya Vidyalaya (N.M.R.), JNU Old Campus, Baba Gang Nath Road, Near BER Sarai, New Delhi - 110067
11.	Dimapur	DIM	Dimapur Government College, Oriental Colony, Dimapur – 797112 - Nagaland
12.	Guwahati	GHT	Kendriya Vidyalaya Khanapara, Jawaharnagar, Khanapara, Near Regional Science Centre, Guwahati, Assam.- 781022
13.	Hyderabad	HYD	College for Integrated Studies, South Campus, University of Hyderabad, Gachibowli, Hyderabad - 46
14.	Imphal	IMP	Kendriya Vidyalaya No.1, Lamphelpat, Imphal, Manipur 795004
15.	Jaipur	JPR	Kendriya Vidyalaya No.1, Bajaj Nagar, Jaipur (Rajasthan) Pin code :302015
16.	Jammu	JAM	Kendriya Vidyalaya No.1, Gandhinagar, Jammu - 180004 (J&K)
17.	Kadapa	KDP	Dr.A.P.J.Abdul Kalam Central Library Building, Yogivemana University, Vemanapuram, Kadapa
18.	Karimnagar	KRM	SRR Govt. Arts & Science College Karimnagar, Jagtial Road, Karimnagar
19..	Kolkata	KOL	EB Block Laboni Salt Lake, Sector-1,Kendriya Vidyalaya No.1 Salt Lake, Kolkata - 700064
22.	Lucknow	LCK	Kendriya Vidyalaya , Vikas Khand – 1, Gomtinagar, Lucknow – 226010 (UP)
23.	Mahabubnagar	MBN	NTR Govt. Degree College for Women, District Stadium Road, Besides RTC Bus stand, Manabubnagar
23.	Mumbai	MUM	Kendriya Vidyalaya, Koliwada, Sector – 1, CGS Colony, Antop Hill, Mumbai – 400037, (Landmark : Behind CGS Dispensary & Near CPWD Office)
24.	Nagpur	NPR	Kendriya Vidyalaya Vayusena Nagar, Near Satpuda Botanical Gardens (Futala Lake), Vayusena Nagar Nagpur – 440007
25.	Nalgonda	NLG	Nagarjuna Government College (A), Nalgonda – 508001
26.	Nizamabad	NZB	Girraj Govt. College (A), Dubba, Nizamabad
27.	Patna	PAT	Kendriya Vidyalaya No.1 Kankarbagh, PO-Lohia Nagar, Patna - 800020
28.	Pune	PNE	Kendriya Vidyalaya, Ghaneshkhind, Pune 411007

29.	Raipur	RPR	College of Agriculture, NH-6, Mahasamund Road, Krishak Nagar, Raipur, (CG)
30.	Ranchi	RNC	Kendriya Vidyalaya No.1, HEC Campus, Sector – II, Ranchi – 834004State : Jharkhand
31.	Shillong	SHL	Science Seminar Hall, North Eastern Hill University, Shillong
32.	Srinagar	SNR	Humanities Block, University of Kashmir, Srinagar
33.	Tirupati	TPT	Kendriya Vidyalaya No.1, Tirupati, Ram Nagar Area, Tirupati – 517507 Chittoor District, A.P.
34.	Vijayawada	VIJ	SRR & CVR Govt. Degree College, Vijayawada - 520004
35.	Visakhapatnam	VSP	Kendriya Vidyalaya Waltair, Thatichetlapalem, Behind Andhra Jyothi Press, Visakhapatnam-16
36.	Vizianagaram	VZM	Kendriaya Vidyalaya Vizianagaram, Near Seven Temples, Babametta, Vizianagaram - 535002
37.	Warangal	WRL	Humanities Building, University College, Kakatiya University, Warangal

Note: (1) The University reserves the right to cancel any of the above centers and allot another nearer centre to the applicants of the Centre cancelled.

(2) If any of the examination/s could not be held in any of the session/s due to sudden declaration of bandhs, hartals, etc. at any of the above centres, the University shall not be held responsible for the same and fresh examination /s at such centres for the year will not be held again under any circumstances. However, the entrance examination fees paid by the candidates opted for such centres for whom the examination / s were disturbed and could not be held will be refunded.

(3) The venue of the Examination Centre will be given in the hall ticket.

(4) Based on the number of candidates, the venues at the centres may be increased.

(5) University reserves the right to not operate a centre if the number of applications received is less than 300 or for any administrative reasons. The candidates are therefore advised to give 3 choices of Centres in the online application form.

University of Hyderabad

Fees Payable by Students (Indian Nationals) 2017-18

1) Course	6) Library Fee (Per Sem)	11) Medical Fee, (Per annum) ++
2) Admission Fee	7) Exam fee (Per Sem)	12) Students aid fund (Per Sem)
3) Other Fees: a) once at the time of admission b) Fees (Per Sem)	8) Sports Fee (Per Sem)	13) Total Cols. (2-12)
4) Tuition Fee (Per Sem)	9) Internet Charges (Per Sem)	14) Deposits (Refundable)
5) Lab Fee (Per Sem)	10) Students Welfare / Union Fund (Per annum)	15) Grand Total Col (13-14) Figures in Rs.

(1)	(2)	(3) (a)	(b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
M.A. (5-year Integrated), M.A. Courses in Humanities, Social Sciences and Economics	320	330	--	510	--	260	200	160	230	400	700	80	3190	1470	4660
M.Sc. Maths/Statistics/ Physics, **M.P.A** Dance	320	330	--	510	870	260	200	160	230	400	700	80	4060	1750	5810
M.F.A Painting/ Print Making/ Sculpture/ Art History	320	330+ 5000	--	510	870	260	200	160	230	400	700	80	9060	1750	10810
M.Sc. Biotechnology	320	330	--	3500	1695	260	200	160	230	400	700	80	7875	1755	9630
5 – Year Int. M.Sc. in Optometry & Vision Sciences	320	330	6600	8930	1540	260	200	160	360	400	700	80	19880	2640	22520
M.Sc. Animal Biotechnology	320	330	3000	510	870	260	200	160	230	400	700	80	7060	2640	9700
M.Sc. Chemistry/ Biochemistry /Plant Biology& Biotechnology, Molecular Microbiology, Ocean and Atmospheric Sciences, Neural & Cognitie Sc.,**M.Sc.** (5-year Integrated) (Sciences/ Earth Sciences/Health Psychology)	320	330	--	510	870	260	200	160	360	400	700	80	4190	2640	6830
M.Sc. Health Psychology	2135	330	3300	1660	1695	260	290	160	230	400	700	80	11240	2640	13880
M.C.A.	320	330+ 19000	--	10540	2855	260	200	160	230	400	700	80	35075	1755	36830
M.B.A.	2860	330 + 19000	--	21910	5710	260	200	160	230	400	700	80	51840	3740	55580
M.B.A. Business Analytics	2860	50000	--	85360	5710	260	200	160	230	400	700	80	145960	3740	149700
M.B.A. Health Care and Hospital Management, Master of Public Health (MPH)	2955	330 + 23425	--	29280	7260	260	290	160	360	400	700	80	65500	3510	69010
M.A. Communication	320	330	5990	510	1755	260	200	160	230	400	700	80	10935	1755	12690

Course															
5-year Integrated M.Tech (CS) **M.Tech** (CS / AI / IT)	320	330+ 19000	--	10465	2855	260	290	160	360	400	700	80	35220	1750	36970
M.Tech. Bioinformatics	2140	330	7975	1665	1690	260	290	160	230	400	1000	80	16220	2640	18860
M.Phil Courses in Humanities/Social Sciences and Economics	320	330	--	800	--	260	290	160	360	400	700	80	3700	1750	5450
Ph.D. Cognitive Science/ **M.Tech.** IC Technology	320	330	--	800	870	260	290	160	360	400	700	80	4570	1750	6320
Ph.D. (Full – time) Humanities/Social Sciences /Economics/ Gender Studies	320	330	--	1090	--	260	--	160	360	400	700	80	3700	1470	5170
Maths/Statistics/ Computer Science/ Physics/ Electronics Science/Dance/ Management Studies /Communication	320	330	--	1090	870	260	--	160	360	400	700	80	4570	1750	6320
Chemistry/Biochemistry/ Plant Sciences/Animal Sciences/ Biotechnology/ ACRHEM/ Earth & Space Science, Medical Sciences, Health Sciences, Public Health, Optometry & Vision Sc., Nursing	320	330	--	1090	870	260	--	160	360	400	700	80	4570	2640	7210
Int. M.Sc./Ph.D. Biotechnology	320	330	--	1090	870	260	290	160	360	400	700	80	4570	2640	7500
M.Tech. Materials Engineering **Ph.D.** Materials Engineering	320	330	-	5265	2195	260	290	160	360	400	700	80	10360	2640	13000
Ph.D. Part –Time / External Registration Humanities/Social Sciences /Economics/ Gender Studies	320	330	--	1900	--	260	--	160	360	400	700	80	4510	1470	5980
Maths/Statistics/ Computer Science/ Physics/Electronics Science/Dance/Theatre	320	330	--	1970	870	260	--	160	360	400	700	80	5450	1750	7200

Arts/ Management Studies/ Communication														
Chemistry/Biochemistry/ Plant Sciences/Animal Sciences/ Biotechnology/ ACRHEM/ Earth & Space Science/School of Medical Sciences	320	330	--	1970	870	260	--	160	360	400	700	80	5450	2640	8090

+ **IMSc Health Psychology** students on completion of 3 years (i.e. from 7th semester) have to pay **other fee of Rs.3000 per semester.**

++ Medical insurance will be charged on actuals (Initially Rs.700/- balance amount if any, in the next semester)

Note:

1. All the students (SC/ST/OBC) who are eligible for post matric scholarships offered by the State/Central Government are required to pay the fees specified for that course in full at the time of admission. **However, the University will consider reimbursement of the excess fees (i.e. fees paid over and above what is reimbursable by their State Government) on submission of a certificate from the authorized Officer of the State Government to that effect.**

2. All the candidates granted admission under PWD/PH category are exempted from the payment of tuition and other fees.

Mess deposit to be paid at the time of Hostel admission

	General Category Rs.	SC/ST Scholarship holders Rs.
Mess Deposit (At the time of admission)(refundable) : 5-Year Integrated courses For all other courses	5000 * 2500	1500
Room rent (per semester)	500	-Nil-
Crockery fees (per year)	250	250
Hostel Caution Money Deposit (refundable except service charge of Rs.200/-)	600	400

∗ To be collected in two instalments @ 2500/- at the time of admission and Rs.2500/- at the beginning of their 3rd year of study.

Fees payable by the Foreign National/NRI students

Sl. No.	Course	Fees per semester (in US $)
1	MCA, M.Tech.(CS / AI / IT) and M.A. Communication	1330
2	MBA For the candidates from developed countries For the candidates from developing countries	6595 2905
3	MBA Health Care and Hospital Management	
4	PG Courses in Sciences, 5-Year Integrated Master's Degree courses in Sciences, M.Tech. in CT, IC Technology and Bioinformatics	1330
5	PG Courses other than Sciences and 5-year Integrated M.A. Courses in Humanities, Social Sciences, Economics and S.N. School (except Communication)	790
6	M.Phil Programmes in Humanities, Social Sciences and Economics	1060
7	Ph.D. Programmes in Sciences, Computer Science and Management Studies	1330
8	Ph.D. Programmes in Humanities, Social Sciences and S.N. School	1060
9	M.Phil/Ph.D. Programmes in all subjects for the candidates from SAARC countries	530

Note:

1. Foreign Nationals/ NRIs are required to pay the above specified semester fees and the fees as shown against columns **9 to 11 and 14** of the fees structure and Rs. 275 towards the Alumni fund in Indian Rupees.

2. Candidates who are granted admission in MBA, MCA and M.Tech (CS/AI/IT), M.Tech Bioinformatics, M.Sc. Animal Biotechnology, Health Psychology, 5-year Integrated M.Sc. in Optometry & Vision Sciences, MBA in Health Care and Hospital Management and M.A. Communication are also required to pay in Indian Rupees an amount equivalent to US $ 1000 as onetime payment towards Development Fee at the time of admission.

Minimum qualifications for admission to various courses and intake for the academic year 2017-18

Integrated Master's degree courses (5-years)

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
I.M.Sc. (5-Year Integrated) in Sciences	Mathematical Sciences	16	With a minimum of 60% marks at +2 level of education (Intermediate/CBSE/ICSE/HSC or equivalent) with Science subjects.	1.6.2017 10.00 a.m.	---
	Physics	16			
	Chemical Sciences	16			
	Systems Biology	16			
	Earth Sciences	10			
I.M.Sc. (5-Year Integrated)	Health Psychology	16	With a minimum of 60% marks at +2 level of education or equivalent (Intermediate/ CBSE/ ICSE/ HSC or equivalent) in Arts and Sciences.	3.6.2017 10.00 a.m.	--
I.M.A. (5-Year Integrated) in Humanities	Telugu	15	With a minimum of 60% marks at +2 level of education (Intermediate/CBSE/ ICSE/HSC or equivalent) with **Hindi /Telugu / Urdu** as one of the subjects. (Note: The students who are applying for Hindi, Telugu, Urdu should have studied respective subjects at +2 level.) In case a student has not studied Hindi/ Telugu / Urdu as one of the subjects he/she should have passed a oriental title examinations equivalent to Intermediate (i.e. + 2 level) in Hindi / Telugu / Urdu by Government of India or any State Government thereof along with + 2 level.	3.6.2017 2.00 p.m.	---
	Hindi	08			
	Language Science	15			
	Urdu	07			
I. M.A. (5-Year Integrated) in Social Sciences	Economics	11	With a minimum of 60% marks at +2 level of education (Intermediate/CBSE/ICSE/HSC or equivalent).	1.6.2017 2.00 p.m.	--
	History	10			
	Political Science	10			
	Sociology	11			
	Anthropology	10			

The above programmes/courses will be offered subject to minimum admission of five students in the programme/course.

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
I.M.Sc. (5-Year Integrated)	Optometry and Vision Sciences	20	With a minimum of 60% aggregate marks in Intermediate/CBSE/ICSE/HSC or equivalent Board Examination with Science subjects.	5.6.2017 2.00 p.m.	--

Postgraduate courses (2/3 years)

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.Sc.	Mathematics/ Applied Mathematics	40	Bachelor's degree with a minimum of 60% marks in the aggregate of optional subjects with Mathematics/ Statistics as one of the subjects; OR with at least 55% of marks for those students who have done B.A. /B.Sc. (Hons) course in Maths / Statistics.	4.6.2017 2.00 p.m.	--
M.Sc.	Statistics-OR	20	Same as above	4.6.2017 10.00 a.m.	---

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.C.A.		60	Mathematics as a main subject and studied as full papers in Higher Secondary (10 + 2) level is a mandatory prerequisite. First Class Bachelor's degree with at least 60% marks in aggregate, in any discipline.	**3.6.2017 10.00 a.m.**	**---**
M.Sc.	**Physics**	45	B.Sc. with a minimum of 60% marks in the aggregate of subjects with Physics as one of the main subjects in combination with Mathematics OR with at least 55% marks in degree with a minimum of 60% in the aggregate of science subjects: Physics, Mathematics and Electronics.	**5.6.2017 2.00 p.m.**	**---**
M. Sc.	**Chemistry**	45	B.Sc. with a minimum of 60% marks in the aggregate of Science subjects with Chemistry as one of the subjects, preferably in combination with Physics and Mathematics	**3.6.2017 2.00 p.m.**	**---**
M.Sc.	**Biochemistry**	26	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with Chemistry or Biochemistry as one of the subjects	**4.6.2017 10.00 a.m.**	**---**
M.Sc.	**Plant Biology & Biotechnology**	18	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with at least one of the following subjects: Chemistry, Botany, Genetics, Microbiology, Biochemistry, Biotechnology.	**2.6.2017 2.00 p.m.**	**---**
M.Sc.	**Molecular Microbiology**	12	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with at least one of the following subjects: Zoology, Genetics, Biotechnology, Biochemistry, Botany, Microbiology, Life Sciences.	**5.6.2017 10.00 a.m.**	**---**
M.Sc.	**Animal Biology and Biotechnology**	18	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects.	**2.6.2017 10.00 a.m.**	**---**
M.Sc.	**Biotechnology**	25	Bachelor/s degree under 10+2+3 pattern of education in Physical, Biological, Agricultural, Veterinary and Fishery Sciences, Pharmacy, Engineering / Technology, 4 years B.Sc. (Physician Assistant Course) or Medicine (MBBS) or BDS with at least 55% marks. (NB: The admission is given on the basis of CBEE test conducted by the Jawaharlal Nehru University, New Delhi.)	**---**	**---**
MPH	**Public Health**	**30+10***	Bachelor's degree in Medicine, Dentistry, Ayurvedic medicine, homeopathy, physiotherapy, occupational therapy, nursing, nutrition, pharmacology, veterinary sciences, agricultural sciences, social sciences or any other science degree. *** Sponsored**	**1.6.2017 10.00 a.m.**	**---**
M.Sc.	**Health Psychology**	12	With a minimum 60% marks at the Graduate level with Psychology as one of the subjects for 3 years.	**1.6.2017 2.00 p.m.**	**7.7.2017 10.00 a.m.**
M.Sc.	**Neural and Cognitive Sci. : Neuroscience**	08	Bachelor's degree with a minimum of 55% marks in an branch of Natural Sciences, Mathematics, Engineering and Computer Science; MBBS.	**3.6.2017 10.00 a.m.**	
	Cognitive Science	08	Bachelor's degree with a minimum of 55% marks in any branch of Natural Sciences, Mathematics, Engineering and Computer Science, Social Sciences and Humanities; MBBS.		

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.Sc.	Ocean & Atmospheric Sciences	10+5*	With at least 55% marks in the Bachelor's degree in any branch of Science with Mathematics & Physics as compulsory subjects at the B.Sc. level, OR B.Tech. in Civil / Mechanical / Electrical. *** Sponsored**	2.6.2017 2.00 p.m.	---

Note: 1. For calculating the prescribed percentage of marks for admission to M.Sc./MCA courses the marks obtained in the language papers of the qualifying degree will be excluded.

2. The marks in Hons/Core subjects of B.A. (Hons), B.Sc. (Hons) degrees will only be taken into account for calculating the prescribed percentage of marks.

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.A.	English	45	At least 50% marks in the Bachelor's degree with at least 50% marks in English as optional subject; OR at least 50% marks in the Bachelor's degree with at least 55% marks in English as compulsory subject.	2.6.2017 2.00 p.m.	---
M.A.	Philosophy	23	Bachelor's degree in any subject/s with at least 50% marks in aggregate.	5.6.2017 2.00 p.m.	---
M.A.	Hindi	38	1. A Bachelor's degree with 40% marks in any subject with Hindi as one of the optional subjects/compulsory subjects/or second language. 2. A Bachelor's degree with 40% marks in any subject with a diploma in Hindi or Translation studies in Hindi (PGDTS)/Functional Hindi. 3. A Bachelor's degree with 40% marks in any subject with an oriental title examination of B.A. standard approved by Government of India or any State Government, like 'Praveen' and 'Sahitya Ratna' or any other title recognized thereof.	5.6.2017 2.00 p.m.	--
M.A.	Telugu	45	With at least 50% marks in the Bachelor's degree with at least 50% marks in Telugu as optional subject; **OR** with at least 50% marks in the Bachelor's degree with at least 55% marks in Telugu as the compulsory subject.	5.6.2017 2.00 p.m.	--
M.A.	Urdu	25	With at least 50% marks in the Bachelor's degree or equivalent with at least 50% marks in Urdu, Persian or Arabic as optional papers; **OR** Bachelor's degree or equivalent with at least 55% marks in Urdu, Persian or Arabic as compulsory subject i.e. as second language.	1.6.2017 10.00 a.m.	---
M.A.	Applied Linguistics	23	At least 50% marks or an equivalent grade in any Bachelor's degree (10 + 2 + 3 pattern) in aggregate with 50% marks in English as a compulsory or optional subject.	1.6.2017 10.00 a.m.	---
M.A.	Comparative Literature	15	50% marks in the Bachelors Degree with at least 50% marks in English as Optional Subject **OR** 50% marks in Bachelors Degree with 55% marks in any literature / English as Compulsory Subject.	4.6.2017 10.00 a.m.	---
M.A.	English Language Studies	15	Graduates from any discipline (with English as a subject in High School, Intermediate and at least one year in the graduate programme, with at least 55% marks in English).	1.6.2017 2.00 p.m..	
M.A.	History	52	With at least 50% marks in the Bachelor's degree and at least 50% marks in History; **OR** with at least 50% marks in the Bachelor's degree and at least 55% marks in aggregate in the allied subjects viz. Political Science, Public Administration, Economics, Sociology, Anthropology, Indology, Archaeology, Ancient Indian History and Culture **OR** Bachelor's degree in any subject(s) with at least 60% marks in aggregate.	3.6.2017 2.00 p.m.	---

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.A.	Political Science	52	Bachelor's degree with at least 50% marks or Equivalent Grade in Social Sciences or Humanities subjects **OR** 55% marks in any other subject.	5.6.2017 10.00 a.m.	--
M.A.	Sociology	52	With at least 50% marks in the Bachelor's degree and at least 50% marks in the subject concerned OR with at least 50% marks in aggregate in the allied subjects viz., all Social science subjects, Philosophy, Communication, Linguistics; OR Bachelor's degree in any subject (s) with 60% marks in aggregate.	5.6.2017 2.00 p.m.	---
M.A.	Anthropology	30	At least 50% marks in the Bachelor's degree.	3.6.2017 10.00 a.m.	---
M. A.	Economics	60	A Bachelor's degree in Economics with at least 50% marks in aggregate and at least 50% marks in Economics; **OR** Bachelor's degree with at least 60% marks in any of the allied subjects viz. Commerce, Statistics, Mathematics, Engineering or any of the Social Sciences subjects.	4.6.2017 10.00 a.m.	--
M. A.	Financial Economics	30	A Bachelor's degree in Economics with at least 50% marks in aggregate and at least 50% marks in Economics; **OR** Bachelor's degree with at least 60% marks in any of the allied subjects viz. Commerce, Statistics, Mathematics, Engineering or any of the Social Sciences subjects **AND** Mathematics at +2 Level.	3.6.2017 10.00 a.m.	--
M.Ed.		50	B.Ed. OR B.A. B.Ed., B.Sc. B.Ed. OR B.El.Ed. OR D.El.Ed. with an undergraduate degree (with at least 50% marks in each). **Note: (Conditional to getting the Formal Recognition from NCTE. Presently the University has got the letter of intent and is in process of getting recognition soon. The course shall be offered subject to University getting approval from NCTE.)**	3.6.2017 2.00 p.m.	

Note: 1. For calculating the prescribed percentage of marks for admission to M.A. Courses in History, Political Science, Sociology, Anthropology and Economics marks obtained in the language papers of the qualifying degree will be excluded.

2. The marks in Hons/Core subjects of B.A. (Hons), B.Sc. (Hons) degrees will only be taken into account for calculating the prescribed percentage.

Post-graduate courses offered by the Sarojini Naidu School of Arts and Communication

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.P.A.	**Dance (Kuchipudi) (Bharatanatyam**	08 08	Bachelor's degree in dance; **OR** Bachelor's degree in any subject with a professional diploma or certificate in dance recognized by the University; **OR** Bachelor's degree in any subject with a certificate from a reputed Guru recognised by the University to the effect that the candidate has undergone training in dance under him/her for a period not less than five years. *(The experience/training certificate should be furnished during the practical test.)* OR A candidate with 10+fulltime 4 year diploma from Kalakshetra Foundation, Chennai with one year practical work experience in an institution; OR A candidate with 10 + 2 + full time 4 years diploma from Kalakshetra Foundation, Chennai.	1.6.2017 10.00 a.m.	28.6.2017 10.00 a.m.
M.P.A.	**Theatre Arts**	15	Any graduate with an aptitude for Theatre. Experience in Theatre or any Performing Art will be an added advantage.	4.62017 10.00 a.m.	28.6.2017 10.00 a.m.
M.F.A.	**Painting Print making Sculpture**	14 08 08	Bachelor Degree in Fine Arts BFA/BVA or BA (Fine). <u>Essential requirements at the time of application:</u> i) Applicant must specify the stream (Panting/Print Making/Sculpture) on priority basis on which they wish to apply to the Department of Fine Arts. ii) Applicant must submit 6 photographs (8" x 10") of his/her recent works in the specific stream in which they are applying, to the Examination Coordinator at the time of the written examination along with their answer sheets (OMR sheets). The photographs of art works must be attested by a faculty member/Head of the Fine Art college/institute from where the applicant received his/her BFA/BVA/BA (Fine) degree. This is mandatory, as this will be the basis for screening by the admission Committee. iii) If an applicant wishes to apply for more than one stream in the Fine Arts Department, they must submit photographs of recent works done **in each stream,** with their answer sheet at the time of the written examinations.	2.6.2017 2.00 p.m.	29.6.2017 to 1.7.2017 10.00 a.m.
M.F.A.	**Art History & Visual Studies**	08	Bachelor Degree in Fine Arts: BFA, BVA or BA (Fine). Candidates from related disciplines like History, Sociology, Literature and Anthropology may also be considered provided they demonstrate evidence of aptitude in Art History, capacity to read visual images and demonstrate adequate knowledge of contemporary artistic practices. Students must provide evidence of training or practice in visual arts at the time of the oral interview by bringing sketchbooks, art works or photographs of their original art works.	4.6.2017 2.00 p.m.	28.6.2017 10.00 a.m.
M. A.	**Communication**	40	Bachelor's degree with at least 55% marks in Communication / Journalism/ any subject.	4.6.2017 2.00 p.m.	28.6.2017 to 30.6.2017 10.00 a.m.

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
MBA	Health Care & Hospital Management	30	Bachelor's degree or its equivalent with a minimum of 60% marks or equivalent grade of any recognized University. Preference will be given to those who have an academic background/experience relating to Health care management/ Administration areas.	3.6.2017 2.00 p.m.	10.7.2017 9.00 a.m.
MBA	Business Analytics	30+5*	Bachelor's degree or its equivalent with a minimum of 60% marks or equivalent grade of any recognized University. Preference will be given to those who have an academic background/experience in Engineering/ Mathematics / Statistics ***Industry sponsored candidates**	1.6.2017 10.00 a.m.	11.7.2017 9.00 a.m.
MBA		60	Bachelor's degree or its equivalent with a minimum of 60% marks or equivalent grade of any recognized University. Note: The admissions for the academic year 2017-18 has been completed based on the percentile scores of the applicants in CAT 2016 followed by Group Discussion/Interview.	---	---

M.Tech. Courses

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.Tech	Computer Science	45+5*	First class with a minimum of 60% marks in the Bachelor's degree examination in Engineering/Technology (B.E./B.Tech)/ MCA/ M.Sc. in (Computer Science/ Information Sciences/ Electronics) **GATE scores** in Computer Science and Information Technology and in order of merit, will be the only criteria for admission. (No entrance examination or any interview will be conducted). **(*Admissions are open for industry sponsored and foreign candidates.)**	---	---
	Artificial Intelligence	30+5*			
	Information Technology	30+5*			
5-year Integrated M.Tech.	Computer Science	20	First class with a minimum of 60% marks in 10 + 2 Exam with Maths, Physics & Chemistry subjects	**Based on JEE 2017 Mains scores**	---

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.Tech.	IC Technology	18+8*	With at least 55% marks in the Master's degree in Electronics Science **OR** with at least 60% marks in Physics (with Electronics as one of the subjects)/ B.E./ B.Tech., in Electronics and Communication Engineering or Instrumentation Engineering. Note: Valid GATE scores in the order of merit, in one of the following subjects will be the criterion for admission. **No written test or interview will be conducted.** (1) Electronics and Communication Engineering (2) Instrumentation Engineering (3) Physics. **GATE Fellowship is extended to all candidates admitted.** *** Sponsored**		
M.Tech.	Bioinformatics	25	Master's degree with a minimum of 55% aggregate marks in Biological or Agricultural sciences or Physical or Chemical Sciences or Statistics or Mathematics or Computer Sciences or B. Pharmacy or B. Tech with a minimum of 60% marks. Admission shall be through an entrance examination (75 marks) and interview (25 marks); the question paper shall include multiple choice questions from Maths, Physics, Chemistry, Biology and Computer Sciences. GATE qualified candidates may attend the interview based on their GATE qualification although they can also write the entrance examination to enhance their scores. The GATE qualified candidates will be given weightage of 40/75 for the purpose of calling for interview, and such weightage will be determined on the basis of a dynamic cut-off evolved in accordance with the performance of all the candidates of the entrance examination. GATE in the following subjects will be considered: Biotechnology-BT, Chemistry-CY, Mathematics-MA, Physics-PH, Agricultural Engineering-AG, Electronics & Communication Engineering-EC, Computer Science and Information Technology-CS, Chemical Engineering-CH. **Note: GATE Fellowship is subject to the approval of AICTE. University has submitted the application to AICTE for course approval.**	4.6.2017 2.00 p.m.	7.7.2017 & 8.7.2017 10.00 a.m.

| M.Tech. | Materials Engineering | 18 | B.E./B.Tech. degree in Mechanical Engineering; Metallurgical and Materials Engineering; Chemical Engineering, Production and Industrial Engineering, Ceramic Engineering
OR
Master of Science degree in Physics, Chemistry, or Materials Science/Biotechnology/Nano Science and Technology.
Admission to the M.Tech. programme shall be based on a valid GATE score, in order of merit, in any of the following subjects: Mechanical Engineering; Metallurgical Engineering; Physics; Engineering Sciences, Chemical Engineering, and Production and Industrial Engineering..

Candidates should have at least 55% marks in the respective qualifying exam.

Note: GATE Fellowship is subject to the approval of AICTE. University has submitted the application to AICTE for course approval. | --- | --- |

Candidates under sponsored category shall not be eligible for GATE fellowship.

Note: Wherever GATE scores are prescribed for admission or shortlisting the candidates for interview, such candidates are required to submit their GATE scores, failing which their applications will not be considered.

M.Phil. Courses

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.Phil.	English	04	Master's degree in English OR in an allied subject like Comparative Literature and Translation Studies OR Cultural Studies OR Dalit Literature/Studies with at least 55% marks, **with English as the medium of instruction**.	2.6.2017 2.00 p.m.	7.7.2017 10.00 a.m.
M.Phil.	Philosophy	10	Master's degree in Philosophy with at least 55% marks	5.6.2017 10.00 a.m.	7.7.2017 10.00 a.m.
M.Phil.	Hindi	23*	Master's degree in Hindi with at least 55% marks *** Out of 23 seats, 4 seats are reserved for Functional Hindi & Translation Stream.**	5.6.2017 10.00 a.m.	7.7.2017 10.00 a.m.
M.Phil.	Urdu	25	Master's degree in Urdu with at least 55% marks	3.6.2017 2.00 p.m.	7.7.2017 10.00 a.m.
M.Phil.	Appl. Ling.	05	A Master's degree in Linguistics / Applied Linguistics with at least 55% marks or an equivalent grade.	4.6.2017 2.00 p.m.	8.7.2017 10.00 a.m.
M.Phil.	Trans. Stud.	05	A Master's degree in Translation Studies / Linguistics / Applied Linguistics /Literature with a minimum of 55% marks or an equivalent grade. **OR** Master's degree in any other discipline with a minimum of 60% marks or an equivalent grade.	5.6.2017 10.00 a.m.	10.7.2017 10.00 a.m.

Course	Subject	Intake	Minimum Qualifications for admission	Date and Time of written test	Date and time of Interview
M.Phil.	Comparative Literature	08	Master's Degree in Comparative Literature with at least 55% marks **OR** Master's Degree in any language / literature related discipline with at least 55% marks. The candidate must present documentary evidence of knowledge of at least two literatures / languages (one of which may be English).	2.6.2017 10.00 a.m.	8.7.2017 10.00 a.m.
M.Phil.	English Language Studies	05	i)M.A. in any area of English Studies (Literature/English Language Education/ Linguistics) with at least 55% marks OR ii)M.A.in Linguistics/Applied Linguistics/ Comparative Literature (with English as the medium of instruction) with at least 55% marks	2.6.2017 10.00 a.m.	10.7.2017 10.00 a.m.
M.Phil.	Dalit and Adivasi Studies and Translation	06	Master's degree in Hindi with at least 55% marks.	4.6.2017 10.00 a.m.	10.7.2017 10.00 a.m.
M.Phil.	History	08	Master's degree in History with at least 55% marks or equivalent grade; **OR** Master's degree in allied subjects with at least 60% marks or Equivalent Grade (Allied subjects: Political Science, Public Administration, Economics, Sociology, Anthropology, Indology, Archaeology, Ancient Indian History and Culture, Literature, Religious Studies, Environmental Studies and Science Policy). The M.Phil Programme is in English. All the students applying for the Programme are required to have sufficient language skills.	1.6.2017 2.00 p.m.	7.7.2017 10.00 a.m.
M.Phil.	Political Science	15	Master's degree in Political Science/any Social Sciences /Humanities subjects with at least 55% marks or Equivalent Grade.	5.6.2017 10.00 a.m.	7.7.2017 10.00 a.m.
M.Phil.	Sociology	10	Master's degree in Sociology or other Social Sciences including Cultural Studies with at least 55% marks.	3.6.2017 2.00 p.m.	7.7.2017 10.00 a.m.
M.Phil.	Anthropology	08	Master's degree in Anthropology with at least 55% marks; **OR** Master's degree in an allied subject with at least 60% marks (Allied subjects: Sociology, Social Work, Social & Preventive Medicine, Public Health, History, Political Science, Economics, Education, Archaeology, Linguistics, Psychology, Business Administration, Environmental Sciences and Developmental Studies including Rural and Regional Development)	2.6.2017 2.00 p.m.	10.7.2017 10.00 a.m.

Course	Subject	Intake	Minimum Qualifications for admission	Date and Time of written test	Date and time of Interview

M.Phil.	Regional Studies	04	Master degree in any Social Science discipline and M.Sc. degree only in Geography/Disaster Management/Environment Studies with atleast 55% marks or equivalent grade in the subject. Eligible candidates with a willingness to work in the identified thrust areas of research at the Centre which include – Development, Urban & Regional issues, Environment, Disasters, Violence and collective identities will be preferred. **Course work is compulsory for all students in M.Phil. and Ph.D. in the Centre.**	**2.6.2017 10.00 a.m.**	**11.7.2017 10.00 a.m.**
M.Phil.	Social Excl. & Incl. Policy	12	Master's degree in any of the following subjects with at least 55% marks or equivalent grade is compulsory. *Anthropology, Economics, Education, History, Human Rights, Political Science, Public Administration, Public Policy, Social Exclusion and Inclusive Policy, Social Geography, Social Work, Sociology, Women/Gender Studies*.	**1.6.2017 10.00 a.m.**	**8.7.2017 10.00 a.m.**
M.Phil.	Indian Diaspora	02	Master's degree in any subject in Social Sciences or Humanities with atleast 55% of marks.	**5.6.2017 2.00 p.m.**	**10.7.2017 10.00 a.m.**
M.Phil.	Economics	25	Master's degree in Economics, OR in any of the allied subjects with at least 55% of marks. (Allied subjects : Commerce, Statistics, Mathematics, Engineering, Management or any of the Social Science subjects)	**4.6.2017 2.00 p.m.**	**7.7.2017 & 8.7.2017 10.00 a.m.**

Ph.D. programmes

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Ph. D.	**Mathematics/ Applied Maths**	06	Master's degree in Mathematics, Applied Mathematics with at least 55% marks or equivalent grade	**4.6.2017 10.00 a.m.**	**7.7.2017 10.00 a.m.**
Ph. D.	**Statistics/OR**		Master's degree in concerned or related subjects (Mathematics/ Applied Mathematics/Statistics/ Economics/Computational Sciences) with at least 55% marks or equivalent grade	**2.6.2017 10.00 a.m.**	**7.7.2017 2.00 p.m.**
Ph. D.	**Computer Science**	12	With 55% marks in Master's Degree in any Engineering/Technology/Computer Applications / Computer Science / Mathematics / Statistics / Electronics / Information Systems / Internet Technology / Geoinformatics / Bioinformatics **OR** With 55% marks in B.E./B.Tech.; **OR** M.Phil. in Mathematics or Statistics or Electronics;	**2.6.2017 10.00 a.m.**	**7.7.2017 to 10.7.2017 10.00 a.m.**
Ph.D.	**Physics**	27*	M.Sc. degree in Physics or closely related area with at least 55% marks. *** 22 seats for July 2017 session and 5 seats for January 2018 session.**	**4.6.2017 2.00 p.m.**	**7.7.2017 & 8.7.2017 10.00 a.m.**
Ph.D.	**Electronics Science**	4+1*	M.Sc. Degree in Electronics or related area /Physics with Electronics with at least 55% marks **or** B.E./B.Tech. in Electronics and Communication or related area with at least 60% marks **-** (the related areas are – Instrumentation, Applied Electronics and Electronics Science) *** Sponsored (if suitable applicants from R & D laboratories are available)**	**3.6.2017 2.00 p.m.**	**10.7.2017 10.00 a.m.**
Ph.D.	**ACRHEM**	05	M.Sc. (Physics/Applied Physics/Photonics or related areas) with at least 55% marks.	**2.6.2017 2.00 p.m.**	**11.7.2017 10.00 a.m.**
Ph.D.	**Earth and Space Sciences**	06	Master's degree in Geology/Applied Geology/ Geophysics/Applied Geophysics/Earth Sciences/ Ocean/ Atmospheric Sciences, Remote Sensing or a closely related area with at least 55% marks	**3.6.2017 10.00 a.m.**	**8.7.2017 10.00 a.m.**
Ph. D.	**Chemistry**	64*	M.Sc. **OR** equivalent degree in Chemistry or in allied subjects with at least 55% marks. (Note: B.Tech. in Chemical Engineering, B.Pharm., M.Sc., in Physics or Life Sciences etc., are also treated as allied subjects for this purpose) *** 43 seats for July 2017 session and 21 seats for January 2018 session.**	**4.6.2017 10.00 a.m.**	**7.7.2017 to 10.7.2017 10.00 a.m.**
Ph.D.	**Biochemistry**	13	Master's degree in Biochemistry or in a closely related area or M.Sc. or M.Tech. in Bioinformatics or MBBS with at least 55% marks	**1.6.2017 10.00 a.m.**	**7.7.2017 10.00 a.m.**
Ph.D.	**Plant Sciences**	20*	M.Sc. in any branch of Life Sciences **or M.Tech. in Bioinformatics** with at least 55% marks	**5.6.2017 10.00 a.m.**	**8.7.2017 10.00 a.m.**
Ph. D.	**Animal Biology & Biotechnology**	22	Master's degree in Animal Biology or in any area of Life Sciences/**M.Tech. in Bioinformatics or Biotechnology, M.Pharm, or** M.V.Sc. degree with at least 55% marks.	**3.6.2017 2.00 p.m.**	**10.7.2017 10.00 a.m.**
Ph.D.	**Biotechnology**	15	Master's degree with 55% marks in Biotechnology or in a closely related area/ MSc Systems Biology/5-year Integrated MSc in Systems Biology/Biology or related areas OR an MBBS/ M. Tech. **Biotechnology/ Bioinformatics/,** M. Pharm, MVSc with a minimum of 55% marks.	**3.6.2017 10.00 a.m.**	**11.7.2017 & 12.7.2017 10.00 a.m.**

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Int. M.Sc./ Ph.D.	Biotechnology	06	Bachelor degree under 10+2+3 pattern of education in Physical, Biological, Agricultural, Veterinary and Fishery Sciences, Pharmacy, Engineering / Technology, 4 years B.Sc. (Physician Assistant Course) or Medicine (MBBS) or BDS with at least 55% marks. **Qualifying degree should have been awarded within 2 years preceding the year of entrance examination.**	3.6.2017 10.00 a.m.	10.7.2017 10.00 a.m.
Ph. D.	English	08	Master's degree in the subject concerned or in an allied subject like Comparative Literature and Translation Studies or Language Studies or Cultural Studies with at least 55% marks, **with English as the medium of instruction.**	5.6.2017 10.00 a.m.	8.7.2017 to 10.7.2017 10.00 a.m.
Ph. D.	Philosophy	04	Master's degree in the subject concerned with at least 55% marks.	2.6.2017 2.00 p.m.	8.7.2017 10.00 a.m.
Ph.D.	Hindi	4*	Same as above * Out of 4 seats, 1 seat is reserved for Functional Hindi & Translation Stream.	2.6.2017 10.00 a.m.	8.7.2017 10.00 a.m.
Ph.D.	Urdu	04	Same as above	3.6.2017 10.00 a.m.	8.7.2017 10.00 a.m.
Ph. D.	Telugu	17	Same as above	5.6.2017 10.00 a.m.	8.7.2017 10.00 a.m.
Ph. D.	Applied Linguistics	01	a) M.A. in Linguistics / Applied Linguistics with at least 55% marks or an equivalent grade. **OR** (b) MA in allied subjects with a minimum of 60% marks/equivalent grade (Allied subjects include Language & Literature, Philosophy, Anthropology, Sociology, Psychology, Computer Science, Mathematics, Statistics, Communication Studies, Speech and hearing, Cognitive Science) **Note: Candidates should have acquired their PG degree in English medium only.**	2.6.2017 10.00 a.m.	8.7.2017 2.00 p.m.
Ph.D.	Comparative Literature	04	Master's Degree in Comparative Literature with at least 55% marks **OR** Master's Degree in any language / literature related discipline with at least 55% marks. The candidate must present documentary evidence of knowledge of at least two literatures / languages (one of which may be English).	5.6.2017 2.00 p.m.	10.7.2017 10.00 a.m.
Ph.D.	Sanskrit Studies	01	**a)** Master's Degree in Sanskrit or equivalent / Natural Language Processing with at least 55% marks **OR** Master's degree with at least 60% marks in any subject . **b)** B.A.M.S. with at least 55% marks	1.6.2017 2.00 p.m.	10.7.2017 10.00 a.m.
Ph.D.	English Language Studies	05	Master's Degree in English or Linguistics/Applied Linguistics (with English as the medium of instruction) with at least 55% marks.	2.6.2017 2.00 p.m.	11.7.2017 10.00 a.m.
Ph.D.	Dalit and Adivasi Studies and Translation	02	Master's degree in Hindi with at least 55 % marks.	4.6.2017 2.00 p.m.	10.7.2017 2.00 p.m.

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Ph. D.	History	8	M.A. in the subject concerned (with at least 55% marks) or Equivalent Grade **OR** M.A. with at least 60% marks OR Equivalent Grade in in any subject. All the students applying for the Programme are required to have sufficient language skills.	1.6.2017 10.00 a.m.	8.7.2017 10.00 a.m.
Ph. D.	Political Science	12	M. A. in Political Science with at least 55% marks **OR** A Master's degree with at least 60% marks or Equivalent Grade in any Social Science/Humanities subject.	2.6.2017 2.00 p.m.	8.7.2017 10.00 a.m.
Ph. D.	Sociology	08	Master's degree in Sociology or other Social Sciences including Cultural Studies with at least 55% marks	3.6.2017 10.00 a.m.	8.7.2017 10.00 a.m.
Ph. D.	Anthropology	08	M.A. /M.Sc. in Anthropology with a minimum 55% marks or M.A. in any allied subject with at least 60% marks. (Allied subjects: Sociology, Social Work, Social & Preventive Medicine, Public Health, History, Political Science, Economics, Education, Archaeology, Linguistics, Psychology. Business Administration, Environmental Sciences and Developmental Studies including Rural and Regional Development).	3.6.2017 2.00 p.m.	11.7.2017 10.00 a.m.
Ph.D.	Regional Studies	04	Master degree in any Social Science discipline and M.Sc. degree only in Geography/Disaster Management/Environment Studies with atleast 55% marks of equivalent grade in the subject. **Course work is compulsory for all students in M.Phil. and Ph.D. in the Centre.**	2.6.2017 10.00 a.m.	11.7.2017 2.00 p.m.
Ph.D.	Folk Culture Studies	04	Master's degree with at least 55% marks in any of the subjects in Social Sciences, Humanities, Fine Arts, Performing Arts, and Communication. **Note: Medium of instruction and submission of thesis shall be in English only.**	1.6.2017 2.00 p.m.	7.7.2017 10.00 a.m.
Ph.D.	Social Excl. Incl. Policy	08	A Master's degree with any one of the following mentioned subjects with at least 55% marks or equivalent grade. *Anthropology, Economics, Education, History, Human Rights, Political Science, Public Administration, Public Policy, Social Exclusion and Inclusive Policy, Social Geography, Social Work, Sociology, Women/Gender Studies*	1.6.2017 2.00 p.m.	10.7.2017 10.00 a.m.
Ph.D.	Indian Diaspora	04*	Master's degree with at least 55% marks in any subject in Social Science or Humanities. *** 2 seats for July 2017 session and 2 seats for January 2018 session.**	4.6.2017 10.00 a.m.	10.7.2017 2.00 p.m.
Ph.D.	Human Rights	02	M.A. with 55% marks in any branch of Social Sciences and literature OR candidates with any branch of science with 60% marks in Master's degree	1.6.2017 2.00 p.m.	12.7.2017 10.00 a.m.

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Ph.D.	Gender Studies	04	Master's degree from any discipline in Social Sciences and Humanities or a Master's in Women's/Gender Studies with at least 55% marks or an equivalent grade.	4.6.2017 2.00 p.m.	11.7.2017 10.00 a.m.
Ph.D.	Economics	21*	M.A. in Economics (with at least 55% marks or Equivalent Grade) OR Master's degree in the allied subjects(Commerce, Statistics, Mathematics, Engineering and Management or any of the Social Science subjects with at least 60% marks or Equivalent Grade). *** 15 seats for July 2017 session and 6 seats for January 2018 session.**	4.6.2017 2.00 p.m.	10.7.2017 & 11.7.2017 10.00 a.m.
Ph.D.	Dance	03	Master's degree with 55% marks in the concerned subject. **OR** Master's degree with at least 60% marks in any subject. Note: The concerned subjects are Dance and related areas.	1.6.2017 2.00 p.m.	7.7.2017 10.00 a.m.
Ph.D.	Communi-cation	06*	Master's degree in the subject concerned with at least 55% marks OR Master's degree with at least 60% marks in any subject. * One seat for research on Rural Communication, under the NCRI Fellowship (terms and conditions as applicable). The candidate will be required to present a proposal on rural communication during the interview if they wish to apply for this fellowship.	3.6.2017 2.00 p.m.	7.7.2017 10.00 a.m.
Ph.D.	Management Studies	12+2*	With at least 55% marks in Master's degree or its equivalent in Management or Commerce or Accounting (MBA, M.Com, C.A, ICWA etc.) (*** Senior Management Professionals**)	5.6.2017 2.00 p.m.	7.7.2017 & 8.7.2017 10.00 a.m.
Ph.D.	**Health Sciences :**				
	Public Health	2	Master's Degree or its equivalent in any stream of Bio-Medical Science including Indian Systems of Medicine, Life sciences, Applied sciences, Allied Health Sciences, Health Management and Health Administration, Social and Behavioral Sciences with an interest and inclination for public health with at least 55% marks.	4.6.2017 10.00 a.m.	10.7.2017 10.00 a.m.
	Optometry and Vision Science	3	Master's degree in disciplines of Optometry, Vision Sciences, Molecular Biology, Biotechnology, Biochemistry and Microbiology, Integrated Masters in Optometry and Vision Sciences, M.Phil. in Optometry and Vision Sciences, and B.Sc. Optometry along with MBA/MPH who are interested in continuing research in visual processing by a corresponding statutory body with at least 55% marks in aggregate or its equivalent grade.		
	Nursing	2	Master's degree in Nursing and/or M.Phil. in Nursing from a recognized institution with at least 55% marks in aggregate or its equivalent grade.		
	Biomedical Sciences	2	Master's degree in Biochemistry/Animal Sciences/Biotechnology/Biosciences/Toxicology/ Pharmacology/Microbiology/Biosciences from a corresponding statutory body with at least 55% marks in aggregate or its equivalent grade.		

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Ph.D.	Psychology	02	Master's Degree in Psychology with at least 55% marks.	2.6.2017 10.00 a.m.	8.7.2017 10.00 a.m.
Ph.D.	Cognitive Science	02	Master's Degree in Psychology/Linguistics/Natural Sciences/Computer Science or B.Tech. in any Engineering discipline with at least 55% marks.	3.6.2017 10.00 a.m.	10.7.2017 10.00 a.m.
Ph.D.	Materials Engineering	09	M.E./M.Tech. or equivalent Master's degree in Metallurgy; Mechanical (Production/Manufacturing Engineering); Materials Engineering; Ceramic Engineering/ Technology; Polymer Engineering/ Technology or Engineering Physics, Chemical Engineering; Biotechnology; Nanoscience and technology **OR** Bachelor's degree in Engineering/Technology in any of the above disciplines. **OR** Master of science degree in Physics/Chemistry/ Materials Science/Nano Science and Technology/Biotechnology. ***Candidates should have at least 55% marks in the respective qualifying exam***.	1.6.2017 10.00 a.m.	7.7.2017 10.00 a.m.

SCHOOLS OF STUDIES

School of Mathematics and Statistics

The School offers facilities for intensive training and research in the basic areas of Mathematics, Statistics and Operations Research.

Prof. B. Sri Padmavati is the Dean of the School.

The School aims to train people who are oriented towards research and teaching in advanced areas of Mathematics and Statistics. Special attention is given to foundational topics.
The School offers research facilities in the following areas:

- Algebra, Analysis (Complex Analysis, Global Analysis), Algebraic Geometry, Combinatorial Number Theory, Arithmetic Geometry, Topology, Dynamical Systems.
- Fluid Dynamics, Differential Equations, Numerical PDE.
- Statistical Inference, Outliers, Regression Diagnostics, Reliability.

Programmes of Study

The School offers **M.Sc.** and **Ph.D.** Programmes.

The **M.Sc.** Programme is offered in three streams namely, Mathematics, Applied Mathematics and Statistics-Operations Research. This programme is spread over a period of four semesters. For each stream, there are separate core courses and electives.

The School offers **Ph.D.** programmes in Mathematics, Applied Mathematics and Statistics. Admission to the Ph.D. Programme is open to both M.Phil and M.Sc. Students. Students admitted to this programme are required to pass a few courses recommended by the School in the first year and have to face a comprehensive viva at the end of the 1st year. Only those candidates who qualify in the viva are eligible to continue their registration in the Ph.D. programme of the School. They are also expected to take part in the weekly Colloquium / Seminar of the School.

*The School also participates in the **5-Year Integrated M.Sc. Programme in Mathematical Sciences**, which is administered through College for Integrated Studies.*

Entrance Examination

M.Sc.

The entrance examination for admission into M.Sc. (Maths/Applied Maths and Statistics-OR) is based on a written test. The written test consists of objective type questions only.

Majority of the questions for M.Sc. (Maths/Applied Maths) will be on the following topics:

Sets, sequences, series, limits, continuity, differentiation, integration, graphs of functions, coordinate geometry of two and three dimensions, group theory, vector spaces, matrices, determinants, linear transformations, rank, nullity, eigen values, system of linear equations, elementary probability and logical reasoning.

Majority of the questions for M.Sc. Statistics-OR will be on the following topics:

Sets, Sequences, Series, Limits, Continuity, Differentiation, Integration, Graphs of Functions, Vector Spaces, Matrices, Determinants, Linear Transformations.

Elementary Probability - Events, Independent Events, Conditional Events, Bayes' Theorem, Chebyshev's Inequality.

Random Variables and their Distributions – Binomial, Poisson, Geometric, Negative Binomial, Uniform, Normal, Exponential, Gamma, Beta.

Inference – Methods of Moments and ML Estimation, Test for Mean and Variance of the normal distribution, Contingency Tables, Simple Linear Regression.

Linear Programming Problem- Graphical Solution.

The admission will be made separately for M.Sc. Mathematics (including Mathematics and Applied Mathematics) and M.Sc. Statistics-Operations Research.

At the end of the first year, the students of M.Sc. Mathematics will be given the option to choose either Mathematics or Applied Mathematics.

Note: Change of option between Mathematics and Statistics-OR is not allowed.

Ph.D.

The entrance examination for admission into Ph.D. (Maths/Applied Maths and Statistics-OR) is based on a written test. The written test consists of two parts viz., Part-A – Research Methodology and Part-B – Subject specific. Both the parts consist of objective type questions only.

Majority of the questions for Part-B of Ph.D. (Maths/Applied Maths) will be on the following topics:

Linear Algebra, Real Analysis, Complex Analysis, Ordinary Differential Equations, Partial Differential Equations, Functional Analysis, Measure & Integration, Algebra, Number Theory and Numerical Analysis.

Majority of the questions for Part-B of Ph.D. Statistics-OR will be on the following topics:

Probability & Measure Theory, Real Analysis, Linear Algebra & Matrix Theory, Inference, Linear Models, Design & Analysis of Experiments, Sampling.

Infrastructure facilities

The School has good computing facilities. There are three labs. A Statistics lab with 25 PCs and 2 UGC (SAP) labs with 25 and 15 PCs respectively.
The University Library has been recognized as a Regional Library by the National Board for Higher Mathematics (NBHM) with an annual grant of Rs. 44.00 lakhs for the FY 2016-17.

Faculty

Professors

B. Sri Padmavati, Ph.D. (Hyderabad) - Fluid Dynamics [**Dean of the School**]

R. Radha, Ph.D. (IIT, Bombay) - Fluid Dynamics

G. Lakshma Reddy, Ph.D. (Madras) - Complex Analysis and Applications

Madhuchhanda Bhattacharjee, Ph.D. (Pune University) - Bayesian Modelling, Bioinformatics, Genetics, Reliability Survival Analysis

Associate Professors

B. Shobha, Ph.D. (IIT, Delhi) - Statistical Inference and Reliability

M. Sumanth Datt, Ph.D. (Hyderabad) - Hopf Algebras, Algebraic Groups

T.K.S. Moothathu, Ph.D. (Hyderabad) - Topological Dynamics

S. Ilangovan, Ph.D. (TIFR, Mumbai) - Lie Algebras and Representation Theory

Saroj Panigrahi, Ph.D. (Berhampur) - Differential Equations

Assistant Professors

T. Suman Kumar, Ph.D. (Universite Pierre et Marie Curie) - Nonlinear population dynamics, Hyperbolic PDE.

T. Sengupta, Ph.D. (Brandeis) - Elliptic Curves and Arithmetic Geometry

Archana Subhash Morye, Ph.D. (HRI, Allahabad) - Algebraic Geometry

Mohan C. Namdev, Ph.D. (HRI, Allahabad) - Combinatorial Number Theory

B.G. Manjunath, Ph.D. (Germany) – Extreme Value Theory

Honorary Professors

V. Kannan, Ph.D. (Madurai), F.A.Sc., F.N.A. – Topology and Analysis

NBHM Visiting Professors

S. Kumaresan, Ph.D. (TIFR, Mumbai) - Differential Geometry, Analysis, Pedagogy

T. Amaranath, Ph.D. (I.I.T. Madras), F.N.A.Sc. - Fluid Dynamics

School of Computer & Information Sciences

The School of Computer and Information Sciences (SCIS) epitomizes excellence in all the major functions associated with higher learning such as teaching, research, student development and curriculum planning. The strengths of the School are its quality faculty, innovative and flexible curricula with their unique focus on post-graduate education, state-of-the-art research with a remarkably high number of PhD scholars – both ongoing and recently graduated, and highly open and transparent policies that foster a healthy student-faculty interaction. SCIS always stood for innovation and leadership in curriculum planning – having one of the oldest (from 1983) and even now one of the best MCA programmes; boldly proposing and introducing the M. Tech programme in Artificial Intelligence in 1986 to attract the small but growing number of undergraduates in computer science; and, in 2002, introducing the unique M. Tech in Information Technology (with specialization in Banking Technology and Information Security) in collaboration with IDRBT (Institute for Development and Research in Banking Technology, a sister Institute of RBI) aimed at bridging the shortfall of trained computer professionals in banking and finance industries.

The current research areas in the School include Computer Networks and Distributed Processing, Data Base Management Systems, Software Engineering, Computer and Network Security, Mobile Computing, Logic, Decision Support Systems, Enterprise Resource Planning, E-Commerce, Geographical Information Systems, Data Warehousing and Data Mining, Bioinformatics, Artificial Intelligence, Machine Learning, Cognition, Natural Language Engineering, Speech Processing, Wireless Sensor Networks, Computer Forensics, Information Security, Image Processing, Heuristics and Meta-heuristics, Cryptology, Pattern Recognition, Vision, Parallel, Grid and Cloud Computing.

Funding for the School: The School has been recognized by several funding agencies. University Grants Commission (UGC) has sanctioned a Special Assistance Program (SAP), at the level of Departmental Research support (DRS) - Phase I, to enhance teaching and research programmes. The Department of Science and Technology (DST), Government of India has recognized the research contributions of the School by funding it under FIST and PURSE programmes.

Research Projects: The School currently executes several research projects (funded by MIT, UGC, ISRO, DRDO, DLRL, MHA, DST, INCOIS etc.) on FAE, Content-Based Image Retrieval, Speech and Natural Language Processing, Grid Computing, Cryptography, Neural Networks, Formal Methods in Software Engineering, Business Process Re-engineering, Forensic Document Analysis, System Security and Grid Middleware etc.

Student Funding: Students of the School have the facility of getting funding under faculty research projects and funding from other sources such as the UPE2/PURSE funding that the university/School gets from UGC/DST etc. This is open to Ph.D./Integrated M.Tech./MCA students. M.Tech. (CS/AI/IT) students are all eligible for the GATE scholarships under AICTE funding. Ph.D. students are eligible for scholarships from the university for a period of 5 years.

Other Ph.D. Fellowship:
a) IDRBT Fellowship: Currently the fellowship will carry monthly stipend of Rs.25,000 (for 1st and 2nd year) and Rs.28,000 (for 3rd, 4th and 5th years), subject to revision from time to time. The students will work full time at IDRBT. The breakup of these IDRBT PhD

Fellowships will be as per reservations norms of GOI. The areas of research of the scholars need to be relevant to banking technology and information security. There will be joint guidance of IDRBT and SCIS (UoH), one guide from each.

b) Visvesvaraya PhD Fellowship: Further, details can be found at http://phd.medialabasia.in/ for fellowships for 2017-18, if available.

Industry, Academic and other contacts: SCIS maintains active contact with both industry and research labs and participates in developing state-of-art computing systems. The School has initiated academic collaboration at an international level with University of Trento, Italy; Mahasarakham University, Thailand; Universite de Bretagne-Sud, Lorrent, France; Griffith University, Brisbane, Queensland, Australia; Prof. C. R. Rao AIMSCS Institute; IDRBT, IIIT Hyderabad; ISI Calcutta and National University of Singapore, Singapore. The School has MoUs for collaborative work with NISG (National Institute for Smart Government), Anna University, IBM (ISTL), Hitachi Consulting and Altair Engineering to promote research and teaching programmes in Business Process Re-engineering and Middleware Technology. The School offers elective courses in collaboration with Hitachi Consulting on Service-Oriented Architecture and with IBM ISL on Big Data and Virtualization. The School has conducted half-day and full-day workshops/technology days in collaboration with corporations such as J P Morgan Chase, Hitachi Consulting and IBM ISL

Placement: The School has a vibrant placement programme. The School attracts many product-oriented dream companies such as IBM, Teradata, GE, Cisco, Commvault, Cavium Networks, FreeScale, TeamFI, Honeywell, Oneconvergence, JPMC, HSBC, Works Apps, CA, Polaris, Imagination Technologies (HelloSoft), and other companies such as Broadridge, ADP, TCS, DST, Capgemini, Cordys, Intergraph, Aveva, Hitatchi consulting, Redpine and Public Sector Banks.

Programmes of Study

The School offers five different programmes of study leading to: **Ph.D**. in Computer Science, 5-year **Integrated M.Tech.**in Computer Science, **M.Tech.** (Computer Science), **M.Tech.** (Artificial Intelligence),**M.Tech.** (Information Technology), with specialization in Banking Technology & Information Security, in collaboration with IDRBT and **M.C.A.** In addition, the school also contributes and supports the School of Physics, School of Life Sciences, 5-year Integrated M.A. and M.Sc. courses.

Ph.D.

The School has a very vibrant Ph.D programme with more than 50 registered students currently, both Indian and foreign nationals, as on date and more than 100 scholars have completed their research till now. As the School always has a high priority for research, it strongly encourages fresh and brilliant students to participate in the above exciting research programmes as full-time/part-time Ph.D. students. School further offers Visvesvarya PhD Fellowships (sponsored by DeitY) for supporting brilliant Ph.D. students. This is subject to sanction of the Govt. of India (Admission Notice will come as a separate advertisement). Further, details can be found at http://phd.medialabasia.in/. The School is also recognized as an AICTE Minor QIP Centre for PhD Programme. For details please refer to website http://www.qip.iitb.ac.in/

Ph.D. programme is offered on full time, part time and external registration basis as per the university regulations. Candidates who have the required qualifications and are doing teaching/research in recognized institutions or researchers from companies registered with

STPI/NASSCOM/Central Government Organizations who operate within the jurisdiction of the University can apply for part time admission, which is available during 2017-18. **Interested candidates are advised to study the areas of research from the School and faculty profiles.** Visit School website http://scis.uohyd.ac.in for details.

Admission Process: Refer to appropriate section in the prospectus about UGC Regulations 2016.

Written Test Format and Syllabus:
The written test will consist of *only objective type* questions. 50% of questions shall be from Research Methodology and the other 50% shall pertain to the concerned subject. The paper shall have two parts, Part A and Part B. The following syllabus is proposed for the PhD entrance examination.

PART A: Research Methodology:
- Quantitative Methods: Data preprocessing, graph plotting, plotting functions and data, statistical data analysis.
- Research: Technical Comprehension, Meaning, characteristics and types of research; Steps of research; Methods of research; Research Ethics.
- Aptitude and Reasoning: Reasoning, Logical Reasoning, Data Interpretation.
- Computer Applications: Flow Charts, Problem Solving.

PART B: Computer Science:
Computer Organization, Computer Programming, Discrete Mathematics, Data Structures, Algorithms, Operating Systems, Database Management Systems, Graph Theory, Computer Networks, and Automata.

The written test is for total of 80 marks and both Part A (40 questions) and Part B (40 questions) will have equal weightages.

Interview Process:
The number of candidates called for interview is six times the available seats. Candidates must indicate their research interest at the time of the interview. *All candidates must come prepared with a tentative research plan* write-up of maximum size of 4 pages and are encouraged to submit details of research papers/technical reports they have authored.

Foreign candidates: Foreign nationals seeking admission in PhD programme should have the required basic qualifications. Candidates must demonstrate their ability to communicate in English. Following are the guidelines for admission to PhD:

Foreign students are required to submit past academic records, three reference letters, and a statement of purpose on the research topic of their interest. They must have good ability to communicate in English. In order to support the claim for admission into PhD, the following guidelines are stipulated:
o Students residing in India and who have taken prior qualifying education in India **have to appear for the interview** with all required supporting documents
o Both GRE and TOFEL/IELTS scores are to be submitted at the time of admission

5-year Integrated M.Tech. in Computer Science:
The School has introduced a 5-year Integrated M.Tech. programme in Computer Science with effect from the academic year 2014-15. The students will be awarded MTech(CS) degree at

the end of five years. It is to be noted that there is no exit option. This programme is intended to provide a high quality computer science education with a curriculum that is state-of-the-art. The School boasts of a very low student-teacher ratio that allows faculty to give individual attention to students.

Admission Process:

The admission to **5-year Integrated M.Tech.**inComptuer Science will be done through JEE(Main) examination conducted in 2017 and in order of merit. Foreign candidates should clear SAT or ACT examination as a pre-requisite for admission to 5-year Integrated M.Tech. in Comptuer Science

Master of Technology (M.Tech) is meant for graduates in engineering disciplines and postgraduates in related sciences. Three different streams of M.Tech. are offered by the School – M.Tech(CS), M.Tech(AI) and M.Tech(IT) with specialization in Banking Technology and Information Security. Admissions are open for industry sponsored and foreign candidates also. These are all supernumerary.

M.Tech. (Computer Science) This programme offers core courses of computer science like Operating Systems, Computer Architecture, Algorithms, Software Engineering at an advanced level. Specialized electives of faculty research interest are offered as electives. Students can also specialize in "Systems", "Security" and "High Performance Computing" based on courses taken and the dissertation in these areas.

M.Tech. (Artificial Intelligence) This programme is meant for students interested in specializing in artificial intelligence such as Knowledge Representation and Reasoning, Machine Learning, Human Computer Interaction etc.

M.Tech. (Information Technology) with specialization in Banking Technology and Information Security aims at imparting in-depth knowledge and state-of- art expertise to the students through innovative learning supported by high calibre research and technology leadership to create a pool of responsible and resourceful IT professionals, in particular, for the banking and finance sector. This course is offered in collaboration with IDRBT, an RBI institute.

Admission Process:

General Admission Information for M.Tech. Programmes. Admission to programmes in *Computer Science*, *Artificial Intelligence* and *Information Technology* courses is **based on GATE scores in Computer Science and Information Technology only**. No entrance examination or any interviews will be conducted. **GATE scores, in order of merit, will be the basis for admission which is done by counseling.**

Students should indicate their preference for the choice of program (whether CS/AI/IT) in the application form. Request for change of option will not be entertained during counseling. Admission and tuition fees for all the three M.Tech. programmes are uniform. Sliding from one branch to another may be allowed subject to availability **only** up to 1st August 2017.

Sponsored candidates: Five sponsored seats are available for admission into each stream of M.Tech CS, AI and IT. Sponsored candidates seeking admission in the **M.Tech.** (CS/AI/IT) programmes are exempted from the **GATE** qualification. Candidates with required basic qualifications would be selected through interviews. Employees with a minimum 2 years of work experience in IT companies registered with STPI or NASSCOM or Central Government Organizations can apply for M.Tech. admission in CS/AI. For M.Tech. (IT) those working in Banks/Financial institutions with a minimum of 3 years work experience will be considered.

A candidate seeking admission in this category into M.Tech. (CS/AI/IT) must submit (along with application) the organization's willingness to pay a sponsorship amount of **One Lakh Rupees per candidate** (one time) to the development fund of the School. After admission, candidates are required to pay the sponsorship amount and also the usual tuition, admission and other fees as prescribed by the University for other students from time to time.

Foreign candidates: Foreign nationals seeking admission to M.Tech. programmes should have the required qualification with background knowledge in Mathematics, Algorithms, Computer Programming etc. Candidates should have ability to communicate in English and should submit a supportive document with a good score in TOEFL/IELTS at the time of admission. In addition, students should submit a letter of reference which supports their claims to the background knowledge and ability to communicate in English. **Please also read section on Admission of Foreign Nationals given in the prospectus.**

M.C.A.Programme aims to prepare graduates in all the major areas of computer science, relevant aspects of mathematics and management so that they can take up both technical and managerial positions in industry. The training is rigorous and involves five semesters of course work and one semester of project work. MCA students of earlier batches have been offered internships at companies such as IBM, GE, Microsoft, CA, CMC, Honeywell etc. and are thus provided an opportunity to learn in industry environment during their last semester.

Admission Process:
MCA admissions are done through the written entrance examination held by the university. The students who are shortlisted are then **admitted through counseling**.

Written Test Syllabus:
MCA Program. This course requires a prerequisite of full papers in Mathematics at least at the plus two level. The Admission is based on a written test conducted by the University. The written test consists of objective type questions in two parts with equal weightage. Part 'A' deals with general mental ability (consisting of items on reasoning, analysis, comprehension and synthesis). Part 'B' deals with mathematical topics such as Sets, Relations, Integration, Differentiation, Analytical Geometry, Trigonometry, Vectors, Matrices, Determinants, Differential Equations, Elementary Probability and Statistics, Number Systems, Data Representation, Algorithms and Flowcharts. Part A and Part B are for 50 marks each for a total of 100 marks. Part A consists of 25 objective type questions each for 2 marks. Part B consists of 50 objective type questions each for one mark.

Foreign candidates: Candidates should have ability to communicate in English and should submit a supportive document with a good score in TOEFL/IELTS at the time of admission. **Please also read section on Admission of Foreign Nationals given in the prospectus.**

General Information for admitted candidates:
The admitted candidates have to report to the School on the day of commencement of the semester. All first year students of all programmes – Ph.D., Integrated M.Tech, M.Tech (CS/AI/IT) and MCA – will have an orientation programme on the first day of the semester to introduce them to the School faculty and be appraised of the academic procedures. The first year M.Tech. CS and AI students will have an elective orientation programme along with second and third year MCA students in the afternoon of the first day of the semester. M.Tech. students are **strongly encouraged** to attend the elective orientation as it helps them in choosing the electives. The elective registration will happen on the second day of the semester. Elective registration is done in descending order of GATE score and according to the limits per stream for each course. Students who are not physically present for the elective

registration will lose the opportunity to choose electives as per their interest if these seats are filled up.

Pre-PhD course work for registration to Ph.D. programme
The candidates admitted to Ph.D. programme in the School will be governed by the following rules:
1. All candidates admitted to Ph.D. in the School, whether full time, part time or external, are required to complete the course work. Initial admission is provisional and subject to candidate passing the course work. In case a candidate is unable to pass the comprehensive exam, his/her admission stands automatically cancelled.
2. The course work will consist of four papers - Data Structures and Programming, Algorithms, Research Methods in Computer Science and an Elective. The elective papers will be decided by the Doctoral Research Committees of the candidates concerned.
3. On successful completion of the four papers, the candidate will be allowed to continue the registration for Ph.D.

[Refer to appropriate section in the prospectus about UGC Regulations 2016]

M.Tech (CS/AI) and 5-year Integrated M.Tech.: The dissertation work is done by the students starting from the 3rd semester for M.Tech (CS/AI/IT) students and 8th semester for Integrated M.Tech students. The students have the option of doing part of their dissertation work in an external institution (academic or corporate) of high repute – both national and international – where the School has an ongoing collaboration. However, internship through placement is not considered part of the dissertation.

Internship
Internships are encouraged for all students by the School.

For further information visit: http://scis.uohyd.ac.in

FACULTY

Professors
Arun Kumar Pujari, Ph.D. (I.I.T.Kanpur) - Combinatorial Algorithms, Data Mining, Artificial Intelligence**. (On leave)**

Arun Agarwal, Ph.D. (I.I.T, Delhi), B.Tech. (I.I.T Delhi), SMIEEE, FIETE, FAPAS - Image Processing, Computer Vision, Pattern Recognition and Neural Networks, Grid Computing. **(Dean of the School)**

HrushikeshaMohanty, Ph.D. (I.I.T.Kharagpur) - Distributed Computing, Software Engineering, Computational Social Science

C. Raghavendra Rao, Ph.D. (Osmania University) - Simulation &Modeling, Knowledge Discovery, Computational Intelligence

P.N. Girija, Ph.D. (SVU) – Speech Synthesis, Speech Recognition, Human Computer Interaction, User Interfaces

K.Narayana Murthy, Ph.D. (University of Hyderabad) - Natural Language Engineering

ChakravarthyBhagvati, Ph.D. (RPI, USA) - Image Processing, Computer Vision, Pattern Recognition

Bapi Raju Surampudi, Ph.D. (UTA, USA) - Neural Networks, Cognitive Modeling, Pattern Recognition,Machine Learning.

Atul Negi, Ph.D. (University of Hyderabad), M.S.(I.I.Sc., Bangalore) - Pattern Recognition and its Applications, Computational Intelligence, Technology Enhanced Learning

Rajeev Wankar, Ph.D. (DAVV, Indore) – Parallel Computing, Grid Computing, Analysis of Algorithms

Siba Kumar Udgata, Ph.D. (Berhampur) - Mobile Computing, Networks and Architecture.

Alok Singh, D.Phil. (University of Allahabad) - Combinatorial Optimization using Heuristic & Metaheuristic techniques.

Vineet C. P. Nair, Ph.D. (Griffith University, Australia) - Knowledge Representation and Reasoning, Multi-Agent Systems, Logics in Artificial Intelligence.

Associate Professors
S. DurgaBhavani, Ph.D. (University of Hyderabad) - Analysis of Algorithms, Fractal Geometry, Mathematical Modeling

T. Sobha Rani, Ph.D. (University of Hyderabad) - Bioinformatics, Machine Learning Techniques, Advanced Data Structures

V.Ch.Venkaiah, Ph.D. (I.I.Sc, Bangalore) – Discrete Mathematics, Algorithms, Cryptography

Salman Abdul Moiz, Ph.D. (Osmania University) – Distributed Computing, Software Engineering, Disaster Recovery

K. Swarupa Rani, Ph.D. (Acharya Nagarjuna University), Data Mining, Time-Variant Databases, Machine Learning

Digambar Povar, Ph.D. (BITS, Pilani), M.Tech. (NIT, Warangal), B.Tech. (Andhra University) – Digital Forensics, Cloud Computing, Cyber Security

Assistant Professors
Y.V. Subba Rao, Ph.D. (University of Hyderabad) - Cryptography, Theory of Computation, DBMS, Data Forensics

Wilson Naik, M.Tech. (JNTU Hyderabad) - Network Forensics, Systems Security, Networking

P. Anupama, Ph.D. (University of Hyderabad), M.S. (UMBC, USA) - Networking, Operating Systems and Graph Mathematical Morphology.

M. Nagamani, M.Tech. (JNTU, Hyderabad) - Speech Processing, Information Retrieval, Intelligent tutoring system, Cognitive psychology, Embedded Systems

P S V S Sai Prasad, Ph.D. (University of Hyderabad) - Data Mining, Rough Sets, Unix and Network Programming

Rajendra Prasad Lal, Ph.D. (Utkal University) - Graph Algorithms, Mathematical Programming, Computational Geometry.

N. Rukma Rekha, Ph.D. (Andhra University) - Object Oriented Analysis and Design, UML, Cryptography, Pervasive Computing, Software Engineering

Anjeneya Swami Kare, M.Tech. (IIT-Kanpur) - Graph Theory, Algorithms, Data Structures, Theory of Computation.

Nekuri Naveen, PhD (University of Hyderabad), MTech (SE), B.Tech (CSIT),– Data Mining, Neural Networks, Optimization

Md. Abdul Saifulla, PhD (Anna University), MS (IITM),– Computer Networks, Algorithms

Avatharam Ganivada, PhD (Calcutta Univ), MTech(Andhra University), MSc(Andhra University), – Machine Learning, Softcomputing

Faculty of IDRBT

Professors
V.N. Sastry, Ph.D. (IIT, Kharagpur) – Optimization Techniques, Fuzzy Control, Mobile Payments Security, m-Governance, ALM, Portfolio & Network Optimization

Vadlamani Ravi, Ph.D. (Osmania University, Hyderabad), RWTH Aachen, Germany – Data Mining, Text Mining, Big Data Analytics, Soft Computing, Neuro/Fuzzy/Evolutionary Computing and applications.

B.M. Mehtre, Ph.D. (IIT, Kharagpur)– Cyber Security, Digital Forensics, and Biometrics

Associate Professors
M.V.N.K. Prasad, Ph.D. (B.H.U., Varanasi) - Image Processing, Security and Biometrics

G. R. Gangadharan, Ph.D (University of Trento, Italy) – Cloud Computing, Web Services, Green IT.

N. P. Dhavale, FPM (IIM, Calcutta) - Payment Systems, IT Infrastructure

Assistant Professors
V. Radha, Ph.D. (University of Hyderabad) – Cloud Computing, Security, Networks, Web Services

M.V. Sivakumaran, Ph.D. (University of Hyderabad) - IT Governance, Information Systems Audit, Banking Technology.

Rajarshi Pal, Ph.D. (IIT Kharagpur) – Image Processing, Cyber Security.

N.V. Narendra Kumar, Ph.D. (TIFR) - Design, Modelling, Security Analysis of Systems including Operating Systems, Payment Protocols and Mobile Apps

P. Shyam Kumar, Ph.D. (Pondicherry University) - Cloud Computing, Virtualization, Cryptography, Internet of Things, Big Data, Internet Technologies & Compiler Design.

Nagesh B. Sristy, Ph.D. (NIT, Warangal) - Machine Learning, Data Mining, Big Data Analytics, Text Analytics, Database Systems, Distributed Systems

Visiting Professors
Dr. Rajkumar Buyya, University of Melbourne, Australia

Dr.Andre Rossi, Université d'Angers, France

Dr. Dominik Slezak, University of Warsaw and Chief Scientist at Infobright Inc., Poland.

Dr.Eerke Boieten, University of Kent, UK.

School of Physics

The School of Physics is a centre of excellence for multi- disciplinary and interfacial research and teaching in diverse fields ranging from nanosciences and cold atoms to cosmology, photonics, quantum field theory, spintronics, and particle physics to complex systems. Thus the School deals with Physics at all scales. The School has been selected by the UGC as the Centre for Advanced Study (CAS) Level II to strengthen its teaching and research programmes. The School of Physics has level II funding under the FIST scheme of DST in a nationwide competition. The DST recognized the School as one of the five funding centres in the country for the Theoretical Physics Seminar Circuit (TPSC). The School has been acknowledged as a 'Centre of Excellence' by the Third World Academy of Sciences, Trieste, Italy. The UGC also recognizes the School of Physics as a Networking Resource Center. The school has an international collaboration with Fermilab on neutrino experiments.

The School of Physics has developed high-quality teaching programmes at the Integrated M.Sc, M.Sc., M.Tech. and Ph.D. levels with student-teacher ratio highly favourable for individual attention.

The School has active research programmes to train Ph.D. scholars and has achieved national and international recognition in the areas of condensed matter physics, high-energy physics, quantum field theory, cosmology, gravity, nonlinear optics, quantum optics, laser physics, nanoscience, and electronics science. The areas of research include critical phenomena, liquid crystals, thin films, ion beam physics, semiconductors, nanostructured materials, quantum dots, cold atoms, quantum field theory, heavy flavor phenomenology, gravitational waves, neutrino physics, quantum computing, high Tc superconductivity, shape formation in metals and ceramics, magnetism, modern quantum optics, femtosecond laser experiments, ferroelectrics and microwave devices.

Prof. Bindu A. Bambah is the Dean of the School.

Programmes of Study

The School offers I.M.Sc.(5- Year Integrated) Physics, M.Sc. (Physics), and Ph.D.

I.M.Sc. (5-year Integrated) Physics: This programme is of five years (10 semesters) duration with an exit option in three years with a B.Sc degree. The courses taken by the students during the first six semesters are Mechanics and Properties of Matter, Kinetic Theory and Thermodynamics, Waves and Optics, Electromagnetic Theory and Modern Physics and Atomic / Molecular Physics. Emphasis is on tutorials and problem-solving. For subsequent four semesters, students follow the standard M.Sc. programme.

M.Sc (Physics): This programme is of four semesters duration. The first three semesters cover the fundamentals of the subject. The courses taken by all the students include Classical Mechanics, Quantum Mechanics, Mathematical Methods, Introductory Particle Physics, Introductory Solid State Physics, Introductory Optics and Laser Physics, Computer Applications, Electronics. Electrodynamics, Statistical Mechanics, besides laboratory courses in Electronics, Solid State Physics, Digital Electronics, Lasers, Microwaves, Modern Physics, Nuclear and Particle Physics. There is a strong emphasis on problem-solving and

learning experimental techniques. In the fourth semester, the students choose electives from a cornucopia of courses. Each student also has to do a project work of 6 credits, two credits in the third semester and four credits in the fourth semester.

Ph.D.(Physics): Admission to the Ph.D. programme is open to M.Sc, and B.E./B.Tech. graduates. All students admitted into the Ph.D. programmes are required to undergo course work. Satisfactory completion of prescribed course work with at least 50 marks is a prerequisite for confirmation of Ph.D. registration. These are research programmes with students undertaking research under the supervision of a Faculty member, on a topic approved by the School. The student is required to show satisfactory progress throughout the period of research as well as fulfill other requirements prescribed by the School. The Ph.D. requirements include prescribed course work and submission of research results in the form of a thesis, at least one research paper in journals and defense of the thesis in a viva voce.

Entrance examination

The test for **M.Sc. (Physics)** will mainly be in Physics (mechanics, general properties of matter, kinematics, heat and thermodynamics, wave motion, electricity and magnetism, light, modern physics, electronics and measurements) and mathematics (algebraic equations, differential and integral calculus including limits, vectors, matrices and determinants, elementary differential equations and elementary functions and their graphs).

Admission to **Ph.D.** in Physics is based on a written test and interview. The framework for test and interview will be by the UGC Regulations, 2016 vide notification dated 5th May 2016. A part of the test will be based on the standard M.Sc. syllabus of Indian Universities i.e. Classical Mechanics, Relativity, Thermodynamics and Statistical Mechanics. Electromagnetic Theory, Quantum Mechanics, Modern Physics, Condensed Matter Physics, Nuclear and Particle Physics, Optics, Electronics, Mathematical Physics and Experimental Techniques. The written test will consist of objective type questions. A part of the written exam will be on research methodology to assess the acumen of the student for research. This test is a qualifying one by 2016 UGC regulations. Those who qualify in the written exam will be called for interview on basis of their performance.

Faculty

Professors

Vipin Srivastava, Ph.D. (Roorkee) - Condensed Matter Physics, Neural Networks, Brain Function Modeling (T)

Bindu A. Bambah, Ph.D. (Chicago) –Quantum Field Theory, Neutrino Physics and Quantum Entanglement (T) **(Dean of the School)**

V. Seshu Bai, Ph.D. (I.I.T. Madras) - Condensed Matter Physics (E), Superconductivity, Intermetallics, Rapid prototyping and Gelcasting of ceramic & metallic components (E)

Ashok Chatterjee, Ph.D. (IACS, Jadavpur) – Condensed Matter Physics (T) – Low-dimensional systems, Strongly correlated systems, Superconductivity (T)

M. Sivakumar, Ph.D. (Madras) - Quantum Field Theory (T)

P. K. Suresh, Ph.D. (Cochin) - Cosmology (T)

P. Anantha Lakshmi, Ph.D. (UoH, Hyderabad) – Quantum Optics, Quantum Information (T)

Suneel Singh, Ph.D. (UoH, Hyderabad) - Quantum Optics, Non-linear Optics (T)

Nirmal K. Viswanathan, Ph.D. (UoH, Hyderabad) – Singular Optics, Optical Angular Momentum and Near- Field Optics (E)

Rukmani Mohanta, Ph.D. (Utkal) -High Energy Physics, Heavy Flavour Physics, Neutrino Physics (T)

Surajit Dhara, Ph.D. (RRI Bangalore) – Soft Matter and living systems, Soft Matter Photonics
(E & T)

S. Srinath. Ph.D. (UoH, Hyderabad) - Condensed matter physics, Magnetic nanostructures. Multilayers/thin films, Magnetic oxides, Multiferroics (E)

E. Harikumar, Ph.D. (UoH. Hyderabad) - Quantum field theory and Gravity (T)

Associate Professor

Ashoka S. Vudayagiri, Ph.D. (UoH, Hyderabad) – Quantum Optics. Laser Cooling, Quantum Information, ferrofluids (E)

Assistant Professors

Soma Sanyal, Ph.D. (loP, Bhubaneswar) - Cosmology, Heavy - ion Collisions (T)

A. Rajani Kanth, Ph.D. (University of Tsukuba, NIMS - Japan) – Spintronic Devices (E)

G. Venkataiah, Ph.D. (Osmania) - Condensed Matter Physics, Magnetic Materials & Multiferroics, Electric field control of Magnetism (E)

Shyamal Biswas, Ph.D. (lACS, Kolkata) - Statistical & Condensed Matter Physics (T)

Barilang Mawlong, Ph.D.(UoH, Hyderabad) – Theoretical High Energy Physics (T)

N. Sri Ram Gopal, Ph.D. (Tulane University, New Orleans) Ultrafast spectroscopy, Laser Surface patterning (E)

Jayeeta Lahiri, Ph.D. (University of South Florida) – Experimental Condensed Matter Physics, Surface and Material Science (E)

Emeritus Faculty

A. K. Bhatnagar, Ph.D. (Maryland) - Materials Science (E), (NASI Emeritus Scientist)

A. P. Pathak, Ph.D.(I.I.T. Kanpur), F.N.A.Sc .. F.lnst.P. (London), C.Phys. - Atomic Collisions in Solids, Radiation Damage, Surface Physics, Superlattices & Heterostructures (T & E), (CSIR Emeritus Fellow)

C. Bansal, Ph.D. (TIFR, Bombay) - Condensed Matter Physics, Phase Transformations, Mossbauer Spectroscopy, Nanomaterials (E) (UGC Emeritus Professor)
Honorary Professors

D. Narayana Rao, Ph.D. (U.T. Kanpur) - Non-linear Laser Spectroscopy (E) (UGC-BSR Faculty Fellow)

C. S. Sunandana, Ph.D. (U.T. Madras) - Condensed Matter Physics (E)

S. N. Kaul, D.I.I.T., Ph.D. (LLT. Kharagpur), F.N.A., F.A.Sc., C.Phys., F.lnst. P (London) – Condensed Matter Physics, Phase Transitions. Magnetism, Critical and Re-entrant Phenomena (E)

R. Singh Ph.D. (Delhi) Condensed Matter Physics (E)

Centre for Advanced Studies in Electronics Science and Technology (CASEST)

The Centre for Advanced Studies in Electronics Science and Technology (CASEST) is a successor to the DoE/UGC Electronics Programme initiated in 1995-96 to carry out research and teaching in Electronics Science. The Centre is supported by the UGC's Special Assistance under DRS-1. The Centre has two academic programmes, viz. Master of Technology in Integrated Circuit Technology (M.Tech. (ICT)) and Ph.D. (Electronics Science).

M. Tech. (Integrated Circuit Technology) is a two-year (4-semester) programme with an intake of 18. The first two semesters are devoted to course-work, and the 3rd and 4th semester for project work either within the University or in related Industry. The course work covers Digital VLSI design, Digital Signal Processing with related laboratories for Simulation and implementation on FPGAs, RFIC and MEMS and related laboratory course work, Semiconductor Devices and Microelectronics fabrication (theory and Laboratory). Admission to the programme is based on valid GATE scores. Eight seats are available for candidates sponsored by agencies such as DRDO, ISRO, and DAE, in addition to the regular intake.

Ph.D. (Electronics Science) is a five-year programme with a proposed intake of 4 for 2017-18. Admission and confirmation are governed by the UGC regulations 2016 and University regulations regarding Pre-Ph.D. Coursework. The areas of research of interest to faculty in CASEST are those related to Digital Design, Digital Signal Processing, Analog and Mixed-signal Circuit Design, Microwave materials and devices, Semiconductor materials, sensors and devices and Micro-electronics. The facilities available include Simulation tools for Digital Design, FPGA kits, RFIC and MEMS simulation tools, Fullwave microwave simulators, Network Analyser (60 GHz), Device and Process Simulation tools, Workstations, Thin films laboratory and Cleanroom for Micro-electronic fabrication including Electron Beam Lithography.

Admission procedures will apply as per UGC regulations, 2016 and University rules. Candidates will be shortlisted for interview by a written examination which will consist of questions from research methodology and Electronics. Candidates will be assigned research areas subject to availability of vacancies in the concerned area. The possibility exists for admission of sponsored candidates on a supernumerary basis as per University rules.

Outreach Activities: The PG Diploma in Telecommunications (PGDTC) programme offered by the Centre for Distance Education is co-ordinated by the Centre's faculty. Opportunities for Incubation of Start-ups in Electronics and IT and Internships are also available at the University.

Further details are available at the following link: [Click here](#)

Faculty
Professors
Guruswamy Rajaram Ph.D. (TIFR, Mumbai) Micro-electronics, Device Fabrication, Condensed Matter Physics

K. C. James Raju Ph.D. (IIT Madras) Materials, Devices, Simulations and Measurement Techniques for Microwave and THz frequency range, Micro-machined Sensors, Ferroelectric Thin Films, Laser –Matter Interactions for material processing, Nano Electronics and Condensed Matter Physics.

M. Ghanashyam Krishna Ph.D. (I.I.Sc.) Nanostructured Materials, Thin Films, Sensors, and Devices

Samrat L. Sabat Ph.D. (Berhampur) Digital Signal Processing, Cognitive radio network, VLSI Signal Processing

S. V. Nageswara Rao Ph.D. (UoH, Hyderabad) Electronic Materials and Devices: Fabrication, Ion beam studies, Radiation damage and Reliability studies.

Assistant Professors
Vijaya Sankara Rao Pasupureddi Ph.D. (IIT Kharagpur) Analog, RF and Mixed-Signal Integrated Circuits, and Systems
Pratap Kollu Ph.D. (Chungnam National University, South Korea) Materials for Magnetic and Bio-sensors, energy storage, Lab-on-Chip Biosensors.

Honorary Faculty
S. Dutta Gupta Ph.D. (Moscow) Non-linear and Quantum Optics, Plasmonics, Nano-optics (T)

Adjunct Faculty
Venu Kandadai Ph.D. (UoH, Hyderabad) VLSI Design, Digital Signal Processing (CEO, Manjeera Digital Systems)

Advanced Centre of Research in High Energy Materials (ACRHEM)

" The advanced Centre of research in High Energy Materials (ACRHEM) came into existence with a memorandum of Collaboration (MOC) signed between Defence Research and Development Organisation (DRDO) and University of Hyderabad (UoH) in Mar 2005, which is totally funded by DRDO, to undertake research in high energy materials and related".

Advanced Centre for Research in High Energy Materials (ACRHEM) focuses on interdisciplinary research aimed towards achieving an understanding of the theoretical and experimental aspects of the Physics, Chemistry, Mathematics and Statistics of processes involved in High Energy Materials, along with the Electronics and Photonics instrumentation required. The Centre's goal is to develop state of the art facilities and techniques to understand science and synthesis of high energy materials (HEMs) and energetic processes. This is done through theoretical calculations and computational modeling, synthesis of novel HEMs, nano-energetics and experiments with nanosecond, picosecond and femtosecond lasers. ACRHEM also aims for high-quality teaching with student-faculty ratio highly favourable for individual attention. The centre has various ongoing research programs both in experimental and theoretical fields to train Ph.D. scholars in fundamental as well as applied areas of Physics, Chemistry, Mathematics and Statistics of processes involved with High Energy Materials.

The following broad areas of research are being pursued at ACRHEM: Synthetic and computational chemistry for novel energetic materials, Computational Physics, Computational modeling of chemical kinetics of HEMs; THz generation/characterization and spectroscopy, Surface Plasmon characterization and applications; Laser induced shock wave generation and characterization; Numerical simulations of laser induced shock waves; Time and spatially resolved spectral analysis under extreme conditions; Development of instruments and technology to observe, measure, by ultrafast measurement techniques the processes involved in the HEM applications; Detection of explosives using LIBS, THz, Raman, CARS, SERS, Photoacoustic techniques; Polymer Sciences involving HEMs; Density functional study of HEMs involving electronic structure and mechanical property calculations; Modeling the physics of the release of energy by HEMs; Material Sciences of HEM; Novel HEM and nanomaterials/nanostructures. More details can be found at www.acrhem.org. The University website may also be referred to further details.

Infrastructural facilities:

Besides the facilities available in different Schools and Centres of the University, ACRHEM brings the following additional infrastructure to t he University pool:

1. Ti: sapphire femtosecond oscillator [MICRA, Coherent] and femtosecond/picosecond amplifiers (~2.5 mJ) [LEGEND, Coherent] with OPA [TOPAS/DFG, Light Conversion, tunable from 250 nm to 20 μm]
2. High-power Nd:YAG nanosecond laser system with fundamental (Innolas, 1.3 J & TITAN5, 7 J), second, third and fourth harmonics; Dye laser system (Radiant Dyes) pumped by Nd:YAG laser along with frequency mixing option tunable in the range of 300 nm to 3.0 μm
3. High-power picosecond Nd:YAG laser system (EKSPLA, 110 mJ at 1064 nm) with second, third, fourth and fifth harmonics.
4. Dynamic vibration isolation optical tables (Newport SmartTable^{TM}); Low power and High power He-Ne lasers.
5. Diode lasers (high power and tunable), Three-dimensional nanopositioners, Power/Energy meters, Delay, stages, and controllers.
6. Boxcar Integrator, Single Shot Autocorrelator, Fast photodiodes, high-power ns/ps/fs optics.
7. Fully fledged synthetic chemistry labs including equipment such as Dynamical Mechanical Analyzer, Bomb Calorimeter, Fume Hoods, FTIR, Fluorimeter, DSC, TG-DTA, BAM (impact and friction sensitivity tester), Rheometer, etc.
8. Hand-held Spectrometers, Fast oscilloscopes, CCD/Vidicon cameras, mid-IR detectors, Single photon detector, etc.

9. Mercury Cadmium Telluride Detector (up to 26 μm), IR Viewer, Laser Beam Profiler.
10. Intensified CCD's integrated with Michelle spectrograph.
11. Tunable Ti:sapphire oscillator (Chameleon, ~140 fs pulse duration) and pulse shaper (Silhouette, Coherent)
12. Tunable diode laser in the telecommunications spectral range; Waveguide/Fiber Optic stages for critical alignment.
13. 4 mJ, 40 fs amplifier (LIBRA, Coherent) + optical parametric amplifier + transient absorption spectrometer (HELIOS)
14. Optical Spectrum Analyzer; Low-temperature optical cryostat.
15. Vacuum chambers, Rotary vacuum pumps, Spin Coaters, Material characterization facilities.
16. Electron beam gun, RF Sputtering, Thin film fabrication facility, etc.
17. R.F. spectrum analyzer with antennas (1 MHz – 330 GHz)
18. Several UPS systems
19. Crystallization of ferroelectric thin films at lower temperatures by irradiating amorphous thin films with pulsed excimer laser energy.
20. High-resolution mass spectrometer (Coming in 2017)

Computer & Library Facilities:

All research workers have personal computers connected to the network of the University with wireless network facility so that internet and e-mail services are directly accessible from laboratories and faculty offices. Access is available to a large number of books and journals through the University library, as well as the Centre's library. Access to the University's CMSD / HPCF computer facility is additionally available for simulation work.

Director

Dr. K. Venkateswara Rao, Ph.D. (IIT Kharagpur) – Chemistry

Faculty

Prof. A.K. Chaudhary, Ph.D. (Burdwan) - Laser Spectroscopy and Nonlinear Optics. **(Experiment)**

Prof. S. Venugopal Rao, Ph.D. (Hyderabad) – Ultrafast Laser Spectroscopy, Ultrafast Ablation, Femtosecond Laser Induced Breakdown Spectroscopy, Coherent Anti-Stokes Raman Spectroscopy, Laser Direct Writing, Surface Enhanced Raman Spectroscopy, Ultrafast Nonlinear Optics. **(Experiment)**

Dr. P. Prem Kiran, Ph.D. (Hyderabad) **-** Laser - matter interaction, Spatio-temporal evolution of laser-induced shock waves; Propagation of Ultra short, intense femtosecond pulses in transparent media; Nonlinear Optics. **(Experiment and numerical simulations)**

Dr. G. Manoj Kumar, Ph.D. (Hyderabad) **-** Laser induced breakdown spectroscopy, Combustion modeling. **(Experiment)**

Dr. G.S. Vaitheeswaran, Ph. D. (Anna University) Solid state theory, Material Science, Magnetism, Superconductivity, High-Pressure Studies, elastic and mechanical properties investigated using first-principles density functional calculations (DFT). **(Theory)**

Visiting Scientist

Dr. Anuj A. Vargeese Ph. D. (University of Pune) Propellants, Green oxidizers, Nano Catalysts – synthesis and applications, Kinetics and Catalysis. **(Experiment)**

Associate Faculty

School of Chemistry:

Prof. M. Durga Prasad, Ph.D. (Calcutta) Theoretical Chemistry: Quantum Dynamics and Many-Body Theories **(Theory)**

Prof. Tushar Jana, Ph.D. (Jadavpur) Polymer and Materials Science **(Experiment)**

Prof. P.K. Panda, Ph.D. (IISc., Bangalore) Synthesis and Exploration of chemical, biological and material aspects of porphyrinoids **(Experiment)**

Prof. A.K. Sahoo, Ph.D. (NCL, Pune)   Organic synthesis and Organometallic chemistry. **(Experiment)**

Prof. K. Muralidharan, Ph.D. (IIT, Kanpur) Synthetic main group chemistry and polymers, Nano synthesis **(Experiment)**

School of Physics:

Dr. A. Vudayagiri, Ph.D. (Hyderabad) Quantum Optics, Laser Cooling **(Experiment).**

University Centre for Earth and Space Sciences (UCESS)

University Centre for Earth and Space Sciences (UCESS) was established at the University of Hyderabad (UoH) in February 2005 to initiate inter-disciplinary and inter-institutional (industry, R&D laboratories, and academia) research and teaching programs. The hallmark of the Centre, indeed, lies in using synergy between the Earth - Oceanic and Atmospheric realms, Space and Information Sciences to train the technical man power and promote knowledge-driven and job-oriented personnel to strengthen the economic development of the country. The Centre has strong internal linkage with the Faculty of Physics, Chemistry, Mathematics, Life Sciences, Computer Sciences and Centre for Modeling and Simulation Design (CMSD) on the campus of the University of Hyderabad, and with National Laboratories such as National Geophysical Research Institute, Atomic Minerals Directorate, Indian National Centre for Ocean Information Services (Ministry of Earth Sciences, Government of India), National Remote Sensing Centre and Industry viz., National Mineral Development Corporation Ltd., and Baldota Foundation.

UGC has recognized the Centre and granted faculty and research grants through their Innovative Research Program.

Programs of Study
The Centre offers (i) M.Sc (2-year) in Ocean & Atmospheric Sciences (ii) Integrated M.Sc (5-year) in Earth Sciences program in collaboration with the National Geophysical Research Institute, Atomic Minerals Directorate, National Remote Sensing Centre, Indian National Centre for Ocean Information Services (Ministry of Earth Sciences), and Mining Industry and also a number of highly focused short-term refresher courses to enable cadres to update their knowledge and skills to improve their employment opportunities. The Centre also offers Ph.D. Programme in Earth, Ocean & Atmospheric Sciences. Most importantly, the man

power trained at the Centre would have the competence to develop new cutting-edge technologies.

M. Sc. in Ocean and Atmospheric Sciences
This is a four semester programme open to candidates with Bachelor's degree in any branch of science, who have studied mathematics and physics as compulsory subjects at the B.Sc level, or B.Tech degree in civil/mechanical/electrical. The admission is for both sponsored and non-sponsored candidates. Selection of candidates for admission will be based on their academic qualifications and written test marks. Therefore, eligible and interested candidates are encouraged to apply.

Total number of seats/intake is 10. Both sponsored (sponsoring agency) and non-sponsored candidates will have to pay the fee as prescribed by the University.

M. Sc. (5-year Integrated) in Earth Sciences
This is a ten-semester programme open to candidates who have studied science subjects at 10+2 level of education (Intermediate/CBSE/ICSE/HSC or equivalent) with a minimum of 60% marks. The first four semesters are common to earth sciences students on par with other M.Sc (5-year integrated programs). **Students with biology background at the +2 stage and who had left mathematics after the 10th class is expected to put required efforts to learn mathematics. Earth a Sciences course includes significant component from Mathematics.**
A total number of seats/intake is 10.

Ph.D. in Earth and Space Sciences
The Center offers a Ph.D. programme in Earth, Ocean and Atmospheric Sciences ,remote sensing, environmental sciences, water resources and closely related areas of other branches of science.
A total number of seats/intake is 06.

Laboratory and Computer Facilities
All the students would be utilizing well developed state-of-the art facilities of the University of Hyderabad, National Geophysical Research Institute and Atomic Minerals Directorate for Exploration and Research.

A Mobile Geophysical Laboratory, equipped with CG-5 Gravimeter, Electrical Resistivity meter (DDR3 (IGIS), ABEM Terrameter), Proton Precession Magnetometer, Magnetic Susceptibility, meter, T-VLF (IRIS), GPS, etc., is available for field training and for conducting detailed geophysical, geological and environmental related investigations. Use of state-of-the-art High-Performance Computing facility with supporting software such as ISATIS, MATHEMATICA, MATLAB, ArcGIS, Geosoft, ERDAS etc., at the Centre for Earth & Space Sciences, and High Power Computing Facility at the Centre for Modeling, Simulation and Design (CMSD) of the University of Hyderabad.

Field work
Students of Integrated MSc in Earth Sciences will have to participate in 3-4 weeks geological and structural mapping programs from 4th semester onwards.

Marine Cruises
Students of M. Sc in Ocean & Atmospheric Sciences would be undergoing intensive offshore cruise programme of 8 weeks duration with emphasis on the ocean and atmospheric data acquisition, marine instrumentation, etc. under the supervision of experts from NIOT, NCAOR, INCOIS, and University of Hyderabad, etc.

Activities of the Centre
The activities of the Centre are integrated with the socio-economic development of the region, with need-based inter-disciplinary programs, which benefit both the students and the society.

Research
The Centre currently executes research projects in solid earth including origin of continents, resources, crust-mantle evolution, water resources management, geophysical applications in crustal structure and environmental sciences, modelling and inversion techniques, ocean processes, ocean models and climate forecasts, paleoceanography and paleoclimate, solid earth dynamics, (funded by CEFIPRA, UPE, UGC, MoES, ISRO, NRB, PURSE grant etc.).

Out-reach Programs
The center organizes outreach programs in the management of water resources, Geosciences for sustainable development in the context of global environment and climate change, reclamation and utilization of badlands,, environmental management, etc. Geoscience education, Popularization of earth sciences among school children and the general public.

Workshops/Training Programmes Apart from M.Sc., 5-year Integrated M.Sc programs, the Centre organizes workshops/training programs in Earth & Space Sciences and highly focused short-term refresher courses on enabling cadres to update their knowledge and skills and improve their employment opportunities. Most importantly, the programs are designed to enhance competence to develop new-cutting edge technologies.

Entrance Examination:

Ph.D in Earth & Space Sciences
The Entrance examination for the above programme consists of two sections, PART A and PART B. PART A contains 25 Multiple Choice Questions (MCQ), and PART B contains 50 MCQ. The questions will be covered from the following areas: Geology, Geophysics, Atmospheric Sciences (M.Sc., level); and Physics, Chemistry, and Mathematics (B. Sc level).

M.Sc. in Ocean & Atmospheric Sciences

The Entrance examination consists of Multiple Choice Questions (MCQ) in sections PART A and PART B. PART A consists of 25 Multiple Choice Questions (MCQ) and PART B contains 75 MCQ. The questions cover the following areas: Physics, Chemistry, Mathematics and Statistics (B.Sc level).

Faculty
Prof. M. Jayananda, Head, Solid earth (Geochemistry including radiogenic isotopes, Petrology, Tectonics)
Dr. V. Chakravarthi, Exploration Geophysics
Dr. K. Ashok, Ocean & Atmospheric Sciences
Dr. S. Sri Lakshmi, Geophysics (Seismics and modeling)
Dr. Vijay Kanawade, UGC-FRP, Ocean & Atmospheric Sciences,

Prof. V.P.Dimri, Dr. Homi J. Bhabha Chair Professor
Dr. P.S.Roy, NASI Senior Scientist Platinum Jubilee Fellow

Associate Faculty
Prof. V.S.S.Sastry, UoH

Dr. Maqbool Ahmed, UoH

Visiting Faculty
Prof. S.K. Tandon, Earth Sciences, University of Delhi
Prof B..Mahabaleshwar, Editor, Geological Society of India, Bangalore
Dr. Y.J.Bhaskara Rao, CSIR-NGRI
Dr. T.R.K.Chetty,(Retd), CSIR-NGRI
Prof. R. Ramesh, National Institute of Science Education & Research (NISER), Bhubaneswar
Prof. D.M.Banerjee, University of Delhi
Prof. Mihir Deb, University of Delhi
Prof. B.C.Prabhakar, Bangalore University
Prof. A.M.Bhola, University of Delhi
Prof. Parthav Chakrabarthy, University of Delhi
Prof. Nibir Mandal, University of Delhi
Prof. G.V.R.Prasad, University of Delhi
Prof. D. V. Bhaskar Rao, Geophysical Fluid Dynamics and Numerical Weather Prediction, Andhra University
Dr. Francis, INCOIS
Prof. Nittala Sarma, formerly Andhra University
Prof. Santosh Kumar, Kumaon University
Dr. Vimal Singh, University of Delhi
Dr. A. Surya Chandra Rao, IITM, Pune
Dr. N. Pandarinath, Former Director, IMD
Dr. Sachin Gude (IITM, Pune)
Dr. Vinu Valsala (IITM, Pune)
Dr.C.Gyanaseelan, IIT, Mumbai
Dr. Y.V.Ramarao, (Retd), Chief Scientist, IMD, Hyderabad
Sri T. Suryanarayana, (Formerly National Mineral Development Corporation)
Sri. B. Rami Reddy, Ocean Sciences, formerly Cochin University of Science & Technology
Dr. P.V.S.Anand, C.R.Rao, Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS), UoH campus.

School of Chemistry

School of Chemistry is a dynamic centre for teaching and research in the frontier areas of chemical sciences. The emphasis at the curricular level is to give a broad coverage of all branches of chemistry in keeping with the interdisciplinary nature of the subject today. The School of Chemistry has made notable impact on the chemical research scene and is widely acclaimed at the national and international levels. The School receives support from a large number of research grants from funding agencies like Department of Science and Technology (DST) and Council of Scientific and Industrial Research (CSIR), international collaborative projects and industrial projects. The School has been identified by DST for support under the new FIST programme at Level II. UGC has selected the School of Chemistry as a Centre for Advanced Studies under Special Assistance Programme. A networking Resource Centre in Chemistry funded by the UGC is functioning in the school. The centre supports short term visits by about 50 teachers, research scholars and students (M.Sc. and B.Sc.) from other Universities and Colleges. Further information and details of the program can be obtained from the school website: http://chemistry.uohyd.ac.in

Prof. T. P. Radhakrishnan is the Dean of the School.

Programmes of study

The School admits students to the **M.Sc**. and **Ph.D.** Programmes.

The 2-year **M.Sc.** programme lays equal emphasis on Organic, Inorganic and Physical Chemistry. The M.Sc. programme lasting four semesters comprises 3 courses each in Organic, Inorganic, Physical and Theoretical Chemistry, 2 laboratory courses each in Organic, Inorganic and Physical Chemistry, elective courses on specialized topics and a one semester research project. The syllabus is reviewed and upgraded regularly paying special attention to the contemporary development in chemical sciences. Some of the unique features of the programme are the core courses in Instrumentation and Computer Applications, Mathematics for Chemists, Materials Chemistry, Biological Chemistry, a seminar course, elective courses and project work in final semester. The student completing the M.Sc. will be proficient in all branches of Chemistry and is equipped to take up research in a variety of specialized fields including those areas where Chemistry intersects with Biology on the one hand and Physics on the other. The School also offers a 5-Year M.Sc programme in Chemical Sciences. The first two years of the programme are common to all science students in which they get a thorough exposure to all branches of sciences. The students move to the School from the third year. The entrance examination for this programme is conducted by the College of Integrated Studies of the university.

The **Ph.D.** programme is entirely research-oriented in which a student undertakes research under the mentorship of a Teacher of the School in an area chosen by him/her and approved by the School. The expertise of the individual Faculty members are mentioned against their names below. Students admitted to the Ph.D. programme are required to satisfactorily complete the prescribed course work. The modules of the prescribed course work consist of core courses in research methodology and optional courses chosen on the basis of their background and the requirements of their research.

The School is well equipped with a wide range of sophisticated analytical equipment such as IR and UV-Vis spectrophotometers, spectrofluorimeters, single photon counting spectrofluorimeter, GC-MS and LC-MS systems, HR-MS (ESI-TOF analyzer) equipment, CHNS elemental analyzer, polarimeter, electrochemistry equipment, isothermal titration calorimeter, high sensitivity differential scanning calorimeter, laser flash photolysis setup, atomic force microscope, dynamic light scattering apparatus, confocal Raman microscope, field emission scanning electron microscope, fluorescence lifetime imaging microscope and small/wide angle X-ray diffractometer. The NMR facility in the School consists of 400 and 500 MHz spectrometers. A X-/Q-band EPR spectrometer with low temperature accessories is also available. The single crystal X-ray diffractometer facility consists of three CCD detector based diffractometers and a powder X-ray diffractometer with variable temperature accessories. The School also uses the facilities at the Central Instrumentation Laboratory, (X-band ESR spectrometer, circular dichroism spectrometer, scanning electron microscope, differential scanning calorimeter, vibrating sample magnetometer) and Centre for Nanotechnology (transmission electron microscope, rapid thermal annealing and scanning near field optical microscope). The School has ample computing facility consisting of a large number of workstations and personal computers; the state-of-the-art high performance computing facility available at the Centre for Modeling, Simulation and Design is also extensively used by the School. The internet and email facility provided by the University is effectively utilized by the School for scientific correspondence work. Access to most of the important journals is available online.

Entrance Examinations

The admission to M.Sc. is based on the performance of the candidates in the written test. The written test for admission to the M.Sc. degree course consists of objective type questions. Candidates are expected to have sound knowledge of B.Sc. level general Chemistry and basic Mathematics. The question paper contains 80 questions of Chemistry at +2 and B.Sc., level and 20 questions of Mathematics at +2 level. The question paper for the test consists of two parts. Part I carries 25 marks and Part II carries 75 marks. The paper consists of multiple choice questions and wrong answers carry negative marks. A model question paper can be found at **http://chemistry.uohyd.ac.in/~webmaster/MScEnt.pdf**

The admission to Ph.D. program in July session is based on an entrance test which includes an objective type written test and interview. A model question paper can be found at http://chemistry.uohyd.ac.in/~webmaster/PhDEnt.pdf

The school would hold a counselling session after the interviews are conducted, but before the admission process begins, to assign the students to different research groups in the School. Admission to the Ph.D. programme would be done concurrently with the counselling session on the same day. Students invited for the counselling session should come prepared to with all their certificates and join the programme immediately. The assignment of the research group would be done following the merit list of the entrance examination (written test + interview). The counselling + admission session would be conducted approximately 2-3 weeks after the interviews. The actual date for this would be announced at the time of interviews.

Faculty

Professors

M. Periasamy, Ph.D. (IISc, Bangalore), F.A.Sc., F.N.A. – Organic Chemistry, Organometallics and Chiral Reagents, Renewable energy source

D. Basavaiah, Ph.D. (BHU) F.A.Sc., F.N.A. – Organic Chemistry: The Baylis Hillman Chemistry, Chiral Catalysis

M. Durga Prasad, Ph.D. (Calcutta), F.A.Sc. – Theoretical/Chemistry: Quantum Dynamics and Many Body Theories

T. P. Radhakrishnan, Ph.D. (Princeton) F.A.Sc., F.N.A.Sc., F.N.A. – Materials Chemistry, Computational Chemistry **(Dean of the School**)

Ashwini Nangia, Ph.D. (Yale), F.A.Sc., F.N.A.Sc., F.N.A. – Supramolecular Chemistry, Crystal Engineering,Cocrystals and Polymorphism (on EoL to NCL, Pune, as Director)

K.C. Kumara Swamy, Ph.D. (IISc, Bangalore) F.A.Sc., F.N.A. – Organic/Inorganic Chemistry, Organophosphorus Chemistry.

Anunay Samanta, Ph.D. (Jadavpur) F.A.Sc., F.N.A.Sc., F.N.A. – Physical Chemistry, Photochemistry, Fluorescence Spectroscopy, Time-resolved Spectroscopy

Samudranil Pal, Ph.D. (Jadavpur) – Coordination and Organometallic Chemistry

Musti J. Swamy, Ph.D. (IISc, Bangalore) F.A.Sc., F.N.A.Sc. – Biophysical Chemistry

Samar Kumar Das, Ph.D. (IIT, Kanpur), F.A.Sc. – Inorganic and Supramolecular Chemistry

K. Lalitha Guruprasad, Ph.D. (Osmania) – Structural Biology

Abani K. Bhuyan, Ph.D. (Univ. of Pennsylvania) – NMR Spectroscopy, Physics and Biology of Biological Molecules

Susanta Mahapatra, Ph.D. (IIT, Kanpur), F.A.Sc., F.N.A.Sc. – Theoretical Chemical Dynamics, Non-adiabatic Chemistry

D. B. Ramachary, Ph.D. (IISc, Bangalore) – Synthetic Organic Chemistry, Engineering Asymmetric Organocatalysis, Theoretical Aspects of Organocatalysis and engineering multi-catalysis cascade (MCC) reactions

Tushar Jana, Ph.D. (Jadavpur) – Polymer Chemistry and Materials Science

R. Nagarajan, Ph.D. (Madras) – **Organic Chemistry: Heterocyclic Chemistry and Natural Products**

Pradeepta Kumar Panda, Ph.D. (IISc, Bangalore) – Synthesis and Exploration of Chemical, Material and Biological Aspects of Porphyrinoids.

Rengarajan Balamurugan, Ph.D. (IIT, Kanpur) – Synthetic Organic Chemistry: Transition metal and Brønsted acid catalyzed reactions; Design and synthesis of compounds for biological and material applications.

R. Chandrasekar, Ph.D. (Max-Planck) – Nano Materials Chemistry

Akhil Kumar Sahoo, Ph.D. (NCL, Pune) – Organic Chemistry, Material/Medicinal Chemistry, Organometallic Chemistry

K. Muralidharan, Ph.D. (IIT, Kanpur) – Inorganic Chemistry, Nano Materials and Polymers.

Viswanathan Baskar, Ph.D. (IIT, Kanpur) – Organometallic Heavier Main Group Chemistry, Organolanthanides & Lanthanide oxo clusters

Associate Professors

P. Ramu Sridhar, Ph.D. (IISc, Bangalore) – Synthetic Carbohydrate Chemistry

M. Sathiyendiran, Ph.D. (IIT, Bombay) – Inorganic Chemistry – Supramolecular Chemistry

Assistant Professors

Debashis Barik, Ph. D. (Jadavpur) – Non-equilibrium statistical mechanics in chemistry and biology.
Jovan Jose, Ph.D. (University of Pune) – Theoretical and Computational Chemistry.

Murali Banavoth, Ph.D. (IISc Bangalore) – Solar Energy Materials and Solar Cells. Perovskite, Organic, Inorganic, Quantum dot Solar Cells and Photovoltaics. Materials Chemistry.

Manju Sharma, Ph.D. (IISc Bangalore) – Computational Chemistry.

Srinivasarao Yaragorla, Ph.D. (Kakitiya University) – Synthetic Organic Chemistry.

Muthukrishnan A., Ph.D. (I.I.T., Madras) – Electro Chemistry.

Emeritus Professors:
Kalidas Sen, Ph.D. (IIT, Kanpur) – Confined quantum systems, Eigenspectral, information theoretical and complexity studies.

M.V. Rajasekharan, Ph.D. (IIT, Madras) – Inorganic Chemistry

Distinguished Professor:
Goverdhan Mehta, FNA, FRS: Organic Chemistry

SCHOOL OF LIFE SCIENCES

The School of Life Sciences has been established with an emphasis on interdisciplinary teaching and research leading to M.Sc and Ph.D. Degrees in modern biology, biotechnology, bioinformatics and systems biology.

The School consists of four Departments:

1) Departmentof Biochemistry
2) Department of Plant Sciences
3) Department of Animal Biology
4) Department of Biotechnology and Bioinformatics

The School of Life Sciences is committed towards achieving academic excellence in teaching and research in basic and applied areas. The infrastructural facilities have been established accordingly with the plan funds of University Grants Commission (UGC), Department of Biotechnology (DBT), Department of Science and Technology (DST) as well as extra-mural funding attracted by the faculty of the School of Life Sciences. This includes 7 state of the art teaching laboratories and centralised facilities such as genomics, proteomics, metabolomics, confocal microscopes, flow cytometry, surface plasma resonance system and live cell and animal imaging facilities. The School has very recently established the state of the art Biosafety Laboratory-III (BSL-III) containment facility to work on highly pathogenic organisms. In addition the School has access for infrastructural facilities set up at Nanotechnology Center, Centralised Instrumentation Laboratory (CIL) and Center for Modelling, Simulation and Design (CMSD), located within the campus. The new building of School of Life Sciences, occupied in March 2013, is designed for housing a total number of 65 research laboratories, class-rooms, teaching laboratories, central instrumentation facilities, cell and microbial culture facilities, seminar halls and auditorium. A healthy competitive atmosphere among the academic programs and the faculty resulted in excellence in teaching and research.

The faculty are engaged in research and consultancy activities in cutting edge areas of modern biology and biotechnology to answer some of the most challenging questions in biological systems and improve the well-being of humankind, with support from national and international funding agencies as well as biotech/ pharmaceutical industries. As the School of Life Sciences enters its 40th year, the traditional areas of biological sciences such as cell biology, immunology, biochemistry, microbiology, plant sciences, genetics, and biotechnology are joined with new areas of functional genomics, proteomics and systems biology.

The School has just completed two International Research and Training Groups (IRTG) programs, one on "Functional Molecular Infection Epidemiology" and the other on " Molecular and Cellular Glyco-Sciences", involving Freie University, Berlin and University of Muenster respectively. Recently the School of Life Sciences has signed MoU with Academia Scinica, Taiwan for sandwich Ph.D program in frontier areas of biology and Cornell University for bilateral collaborations in research and development in Biology and Biotechnology. Each of the four departments offers M.Sc. and Ph.D. programmes of study.

In addition the school offers 5-Year Integrated M.Sc. in Systems Biology as a combined course of all the four departments. The students are selected soon after their 12th standard and

study for two years at the College of Integrated Studies. During this period they study Biology, Physics, Chemistry and Mathematics of undergraduate level. In the third year, they come to the School of Life Sciences and take basic biology courses. They are also taught introductory courses of information technology including programming. Equipped with this background in Physical and Life Sciences and basic programming skills, they specialize in Systems Biology. The final year also includes a thesis research project.

Under Distance Education Programme, the School is participating in two P.G. Diplomas: one in "Environmental Management" and the other in "Medicinal Botany".

The School is in the process of setting up Biotechnology Incubation Centre with support from BIRAC of Department of Biotechnology for providing incubation facilities for innovative ideas of faculty and scholars.

Ramanujan Fellow

Hridayesh Prakash, **Ph.D. (Jamia Millia lslamia) - Pulmonary Infection Biology, Macrophages Immunobiology, Host Apoptosis regulation, Signal Transduction, Tumor Immunology**

Dean-in-charge: **Prof. P. Reddanna**

School of Life Sciences

(www.slsuoh.org)

Department of Biochemistry

Biochemistry is a central basic discipline to all branches of Biology/Life Sciences. It deals with the chemical nature, function, structure, energetic and pathways of synthesis and degradation of simple to complex biological and/or cellular molecules to understand the various aspects of cellular and molecular functions in development, health and disease with applications in Biotechnology and Medicine. Highly distinguished faculty in the Department offer M.Sc. Biochemistry a two year Program and Ph.D. Biochemistry. In addition they contribute to the IMSc teaching. In addition, the faculties are able to forge national and International collaboration in the new and interdisciplinary research areas such as Nanobiology, Medical Biotechnology, Infectious biology, structural biology, Glycobiology and Systems Biology etc. About 40-50% of our students qualify in the national level test and get fellowships, and also go abroad for higher studies. Faculty also have Industry sponsored projects. The Department is supported by DS-FIST-Level-1 and also by UGC-SAP-DRS-1 for a five year period. Department acquired several state of the art facilities with this support useful for teaching and research. The Department actively invites several distinguished scientists/researchers from abroad and in the coming year scientists are expected to come under the GIAN program.

Entrance Examination

Admission to M.Sc. and Ph.D. programmes: Candidates who have passed B.Sc. with a minimum of 60% marks in aggregate of Science subjects with Chemistry or Biochemistry as one of the subjects are eligible to apply for the admission to M.Sc. Biochemistry. However, the selection is based on their performance in the written examinations conducted at the National level. The paper consists of three parts: Part A, Part B and Part C. Part A consisting of 25 questions, Part B consisting of 45 questions and Part C 15 questions with multiple choices. Questions are drawn from various areas of Biology and Chemistry from the degree level. Part A marks will be taken into account to break the tie, if any among candidates.

Students having a Master's degree in Biochemistry or in a closely related area, M.Sc. or M.Tech. in Bioinformatics with at least 55% marks or an MBBS degree with a minimum of 55% marks In addition, Ph.D. admission in Biochemistry will be based on an entrance examination and interview conducted by the Department. The question paper of the entrance examination will consists of multiple choice questions of M.Sc. standard drawn from different areas of Biochemistry and Life Sciences. The paper will test research aptitude as well a subject knowledge of the candidate. The paper consists of two parts with total marks of 80. Qualified candidates will be called for interview.

Faculty

Professors

K.V.A.Ramaiah,Ph.D. (JNU). FNASc., FAS-AP - Gene expression, protein synthesis regulation in eukaryotes, protein phosphorylation, protein and cellular homeostasis

N.Siva Kumar,Ph.D. (Mysore) FAS-AP - Glycobiology, Protein biochemistry, Cell and Molecular Biology, Structure function relationships of plant, animal lectins and glycosidases)

MrinalKanti Bhattacharyya, Ph.D. (TIFR) – Biochemical, cellular and molecular basis of parasitism of human malarial parasite: Genome stability and organization; genetic and epigenetic control of virulence gene expression; telomere dynamics in gene silencing **(Head of the Department)**

NareshBabu V Sepuri, Ph.D. (UoH) – Mitochondrial Biogenesis and Disease, Protein and tRNA import into mitochondria, Mitochondrial mediated oxidative stress.

Krishnaveni Mishra, Ph.D. (JNU) – Epigenetic gene regulation and functional organization of the nucleus.

Sharmistha Banerjee, Ph.D. (UoH) – Molecular pathogenesis and immunology of HIV, Mycobacterium tuberculosis (M.tb) and M.tb-HIV co-infection.

UGC Emeritus Professor

C.K.Mitra, Ph.D. (TIFR) - Molecular biophysics, Electrochemistry of immobilized enzymes (biosensors), Studies on protein sequences (bioinformatics) and Nanobiotechnology**.**

Associate Professors

BramanandamManavathi, Ph.D. (SKU) – Molecular and Cell Biology, Signal transduction and Oncology.

GuttiRavikumar, Ph.D. - (IARI) - Stem Cell Biology, Developmental Biology, Signal transduction, Epigenetics, Gene Regulation, Apoptosis, Molecular and translational medicine.

Assistant Professors

SeemaMishra,Ph.D (JNU) Computational Biology and Systems Biology of diseases

Mohd. Akif, Ph.D. (Manipal University) - Structural Biology, X-ray Crystallography Structural and functional characterization of biologically important proteins

P. Anil Kumar, Ph.D. (Osmania University) - Structural and functional analysis of podocyte proteome, transcription factors (ZEB2, WT1) expression and mechanism in health and disease (diabetes and obesity)

Santosh Kumar Padhi, Ph.D. (IIT Madras), - Biocatalysis, Protein engineering, Enzymes for organic/asymmetric synthesis, Engineering enzymes for synthesis of pharmaceutical intermediates, lipid modification and industrial applications

Department of Plant Sciences

The Department has been supported under UGC-SAP (DRS) and DST-Funds for Infrastructure in Science and Technology (FIST) Level-II (phase 2). The foundations for the rapid growth of the Department in the last Twenty Three years have been laid with its philosophy to provide a well-balanced training to the students in modern Plant Sciences & Microbiology to enable them to choose careers in both advanced teaching and high quality research. The Department offers two Master's programme *i.e.*, Plant Biology & Biotechnology, and Molecular Microbiology, and an independent Ph.D. programme.

The Department has set up State-of-the-art laboratories for M.Sc. teaching with the DBT support to strengthen teaching and research activities of the Department.

All national and international funding agencies like DBT, MNES, CSIR, DST, INSA, UGC, NATP-ICAR, DAE, DOD, IAR, MoES, AP-Netherlands Biotechnology Programme, Humboldt Foundation, International Atomic Energy Agency, Rockefeller Foundation, Volkswagen Foundation, USDA, Indo-French Centre for Promotion of Advanced Research, the European Union, Third World 50 Academy of Sciences are supporting the research activities of the Department.

The individual research laboratories are well equipped, apart from the availability of major equipment in central facilities of the Department, sister Departments in the School, and also at Central Instrumentation Lab of the University. The Faculty from the Department of Plant Sciences have the track record of consciously publishing in journals of repute like Nature, Plant Physiology, Trends in Plant Sciences, Plant Cell, Plant Cell and Environment, Molecular Breeding, Genes and Development, TAG, MGG, Phytopathology, Molecular Plant Microbe Interactions, Plant Molecular Biology, Plant Cell Physiology, BBRC, BiochimBiophysActa, Planta, Journal of Ethnopharmacology, Journal of Plant Physiology, PhysiologiaPlantarum, DNA Research, Current Microbiology, Plant Molecular Biology Reporter, Current Science, J. Proteome Research, Functional and Integrative Genomics, J. BiomolStructDyn, Molecular BioSystems, J. Physical Chemistry, Molecular Genetics and Genomics, International Journal of Systematic and Evolutionary Microbiology, Phytochemistry, *In Vitro* Cellular and Developmental Biology – Plant, Scientific Reports, Frontiers in Plant Sciences, Journal of Biological Chemistry, Bio resource Technology, etc.

Programmes of Study

1. **M.Sc. Plant Biology & Biotechnology**: The course is a four semester programme that is evaluated based on credit system. A total of 11 core courses, 4 elective courses, 3 practical courses and a project have to be completed successfully by the students in the four semesters.

Course Content
Cell & Molecular Biology * Macromolecular Structure & Function * Genetics * Microbiology * Environmental Biotechnology * Molecular Biology & Genetic Engineering* Molecular Plant Pathology * Plant Biochemistry * *In Vitro* Plant Biology * Genomics & Proteomics * Plant Physiology * Plant Systematics * Natural Plant Products * Phytotechnologies * Plant Developmental Biology * Plant Biotechnology * Biodiversity * Medicinal Botany * Phytomedicine * Microbial Technology

2. **M.Sc. Molecular Microbiology:** The course is a four semester programme that is evaluated based on credit system. A total of 11 core courses, 4 elective courses, 3 practical courses and a project have to be completed successfully by the students in the four semesters.

Course Content
Cell & Molecular Biology * Macromolecular Structure & Function * Genetics * Microbiology * Molecular Biology & Genetic Engineering * Molecular Plant Pathology *Microbial Physiology & Biochemistry * Enzymology * Molecular Virology * Genomics & Proteomics *Bioprocess Engineering & Technology * Viral Pathogenesis * Microbial Genetics * Basic Immunology *Antibiotics & Chemotherapy * Microbial Metabolomics * Microbial Ecology * Microbial Technology * Prokaryotic Systematics *Molecular Plant Breeding.

3. **Ph.D. Plant Sciences:** The Ph.D. programme requires a minimum of 3 years pursuance from the date of admission. At the end of I semester, the Ph.D. students would take examination for one lab work, seminar and Two theory courses (Analytical techniques, Research Ethics, Data analysis and Biostatistics) for a total of 12 credits. The requirement for the award of Ph.D. includes the submission of a thesis on an approved topic of research under the guidance of a Faculty member. The scholar presents the research work in a comprehensive seminar before the submission of the thesis and faces an oral examination in defence of the thesis.

Entrance Examination

4. **M.Sc. Plant Biology & Biotechnology** entrance examination question paper consists of 100 objective type questions of B.Sc. standard and all are to be answered. Broadly, the question paper will consist of 40 questions in Botany, 20 questions each in Biochemistry/Chemistry, Microbiology and Genetics. **Negative marking is applicable for wrong answers.**

5. **M.Sc. Molecular Microbiology** entrance examination question paper consists of 100 objective type questions of B.Sc. standard and all are to be answered. Broadly, the question paper will consist of 25 questions each in Botany, Zoology, Biochemistry/Chemistry, and Genetics/Microbiology. **Negative marking is applicable for wrong answers.**

6. **Ph.D. Plant Sciences** admissions will be based on an entrance examination and an interview conducted by the Department. The question paper will consist of objective type questions of 80 marks where 50% are based on research methodology and 50% are subject specific (M.Sc. standard). Broadly, the subject specific questions will be from the areas of Plant Biology, General Biology, Microbiology, Molecular Biology, Genetics and Biochemistry.

Course work for Ph.D.

There will be course work for Ph.D. scholars that is mandatory. The course work will comprise of theory sessions in (i) Analytical Techniques (ii) Research Ethics, Data analysis and Biostatistics offered by the four departments of the School of Life Sciences. In addition, the candidates will be evaluated for lab work and seminar.

Infrastructural facilities

The Faculty and students of the Department have access to a range of sophisticated equipment dealing with diverse research topics. These include Confocal Microscope, CD-Spectroscopy, Ultra-centrifuge, High Speed Centrifuge, Infra-red gas analyzer, Atomic Absorption Spectrophotometer, HPLC, Lyophilizer, PCR machine, UV-VIS-NIR spectrophotometer, Liquid Scintillation counter, Laser scanner, Gel documentation system, Transilluminators, Inverted Microscope, Electroporator, Internet, Green house and Amersham DNA sequencer (megabase), Fluorescence Microscope, Imaging system/Microarray reader etc. Further the facilities developed under UoH-DBT Centre for Teaching and Research in Biology and Biotechnology are also accessible. The Department is adding more infrastructural facilities under the newly granted FIST- Level II (Phase-2) programme.

University's Central facilities include Confocal Microscope, Scanning Electron Microscope, Peptide Sequencer etc. In addition, the individual Faculty members have their own well equipped laboratories, computers and access to internet.

Professors

M.N.V. Prasad, Ph.D. (Lucknow), FLS (London), FNIE, D.Sc. (h.c.; Colombo) --- Environmental Biotechnology, Plant Ecophysiology, Heavy Metal Stress in Plants, Bioresource Technology, Medicinal Plants.

P.B. Kirti, Ph.D. (Andhra), FNA, FNAAS, FNASc, FAP-AS --- Plant Molecular Biology, Plant Genetic Engineering.

Appa Rao Podile, Ph.D. (Sardar Patel) FASc, FNASc, FNAAS, FAS-TS, FPSI, FAMI and Tata Innovation Fellow (DBT) --- Molecular Plant Microbe Interactions (on leave as Vice-Chancellor, University of Hyderabad w.e.f. 23rd September 2015)

Attipalli R. Reddy, Ph.D. (SVU), FNASc, FAS-AP --- Photosynthesis, Carbon Sequestration, Biofuels (on leave as Vice-Chancellor, Yogi Vemana University w.e.f. 7th October 2016)

Kottapalli Seshagirirao, M.Phil.; Ph.D. (University of Hyderabad), FRAS --- Protein Biochemistry, Glycobiology, Medicinal Botany, Plant Systematics, Diversity and Conservation; Bioenergy Resources; Global Biodiversity Informatics (Coordinator for PG Diploma in Medical Botany- CDVL)

Ch.VenkataRamana, Ph.D. (Osmania), Tata Innovation Fellow (DBT) --- Bacterial Diversity and Metabolomics. **(Head of the Department)**

G. Padmaja, Ph.D. (Osmania) --- Plant Genetics, Plant Tissue Culture, and Biotechnology.

Subramanyam Rajagopal, Ph.D. (SVU), FNASc, FAS-AP--- Structural Biology, Protein Biochemistry, Proteomics - Protein Drug Interactions.

Sarada Devi Tetali, Ph.D. (University of Hyderabad) --- Metabolomics of Medicinal Plants and their Evaluation for Pharmacological Activities.

RagibaMakandar, Ph.D. (IARI, New Delhi) --- Plant Molecular Genetics, Plant Microbe Interactions & Functional Genomics.

Associate Professors

GopinathKodetham, Ph.D. (S.V. University) --- Molecular Plant Virology, Construction of PTGS Vectors & Cell Biology.

Assistant Professors

Irfan Ahmad Ghazi, Ph.D. (JamiaHarmdard) --- Rice Functional Genomics and Indian Traditional Medicinal Plants.

Sreelakshmi Y, Ph.D. (University of Hyderabad) --- Tomato Functional Genomics, Proteomics, Plant Development.

Rahul Kumar Ph.D. (University of Delhi-South Campus) – Functional Genomics, Hormone Signaling, Plant Biotechnology.

Jogi Madhuprakash Ph.D. (University of Hyderabad) – Protein Biochemistry, Glycobiology; Discovery, Engineering and Applications of Novel Enzymes.

Professors (Retired and Re-employed)

R.P. Sharma, Ph.D. (JNU) –Plant Developmental Biology, Tomato Functional genomics

A.S. Raghavendra, Ph.D. (SVU), FTWAS, FNA, FASc, FNASc, FNAAS --- Plant Bio-chemistry and Plant Molecular Physiology: Photosynthesis, Signal Transduction, Medicinal Plant Metabolomics.

Department of Animal Biology

The Department of Animal Biology, formerly known as the Department of Animal Sciences, was established in 1993, under the umbrella of the School of Life Sciences. The primary focus of the Department of Animal Biology is to impart knowledge in biomedical sciences at the highest level of excellence and strives to advance the frontiers of biology through innovative research programs. Since the inception, the Department has been rich in traditional biological sciences and at the same time continues to recognize the new developments in biological research. The department had and continues to have an esteemed faculty with diverse cutting-edge research programs: Developmental Biology, Immunobiology, Reproductive Endocrinology, Neurobiology, Cancer Biology, Infection Biology, Microbiology, Chromatin dynamics and Systems Biology of the Cell. The broad base of faculty expertise combined with the state-of-the-art laboratories creates an environment that fosters innovation and advancement in science and technology.

The programs of study:

MSc Animal Biology & Biotechnology: The curriculum of the course has a mix of basic and modern aspects of Biology and Biotechnology. The four-semester program is comprised of core courses in the first two semesters followed by elective courses during the third and fourth semesters. The core courses offer an in-depth knowledge in Evolution Biology, Biochemistry, Cell Biology, Molecular Biology, Mammalian Physiology, Developmental Biology, Genetics, Endocrinology and Reproductive Biology, Immunology, Stem Cell Biology and Transgenic Technology. The elective courses offered during third and fourth semesters include: Epigenetics & Nuclear Dynamics, Cancer Biology, Vaccinology, Infection Biology, Oxidative Stress and Antioxidants in Health and Disease, Aquaculture: Nutraceutical & Pharmaceutical Applications, Neurobiology, Cancer and Cancer Stem Cell Biology, Chronobiology, Signal Transduction, Gene Regulatory Networks, and Heterologous Gene Expression and Downstream Processing.The students are required to take a total of four elective courses with the freedom to opt for electives offered by the other departments. The Department of Animal Biology provides comprehensive practical courses that provides hands-on-experience in Molecular Biology, Microbial and Mammalian culture, and protein purification. During third and fourth semesters, the students pursue problem-oriented research

work in individual faculty laboratories, which provides them an opportunity to develop experimental skills.Thus, the MSc program provides the students not only broad range of areas of research, but also provides an opportunity to develop mastery skills on the frontiers of biological sciences.

Doctoral program in Animal Biology: The faculty members of the Department of Animal Biology play the active role of mentor by ensuring innovative research and training of our PhD students. Students are selected into the PhD program, based on their performance in the entrance exam followed by the interview. Admitted students are offered their choice of mentor to pursue their research interest. In the first years, PhD students undergo extensive course work, which provides expertise in broad-range of research areas and techniques of modern biology. The research activities of all faculty members within the Department of Animal Biology are well supported by extramural funding, primarily from DBT, DST, DOE, CSIR, ICMR as well as from industrial sponsorships. Furthermore, the research activities in the department of Animal Biology are greatly enhanced by the excellent core facilities within the School of Life Sciences as well as in the campus.

Admission process:

M. Sc. (Animal Biology & Biotechnology): An entrance examination is conducted for the selection of candidates to the program. The entrance examination consists of 100 compulsory objective questions of baccalaureatestandard, covering all aspects of Zoology, Botany, Chemistry, Biochemistry, Microbiology, Genetics, Molecular Biology and Biotechnology.

Ph.D. (Animal Biology): An entrance examination is conducted for the initial screening, which is followed by an interview. The entrance examination consists of 80 objective type questions where 50% will be on research methodology and another 50% are subject specific. The subject specific questions will be from the areas of Animal Biology, Cell Biology, Molecular Biology, Microbiology, Genetics, Cancer biology, Immunology, Biochemistry, Physiology, Infection Biology, Neurobiology, Endocrinology, Reproductive Physiology, Developmental biology and Stem Cell Technology.

Infrastructural facilities:

State-of-art facilities are available for the students of the Department of Animal Biology. Specifically the School of Life Sciences offers the following core facilities: Flow Cytometry, Proteomics, Genomics and Metabolomics. In addition, core facilities include fish breeding, mosquito breeding, insect breeding and BSL3 pathogen containment facilities. Additionally, the School of Life Sciences offer 2D electrophoresis, MALDI-TOF/TOF and Q-TOF, Real-Time PCR, Chip maker, Spot picker, microarray set-up, metabolomics facilities for the analysis of small molecules, including LC-MS-MS. Other common facilities include High Speed Refrigerated Centrifuges, Ultra-Centrifuges, Spectrofluorimeter, Spectrophotometers, Gel Documentation System, Phosphor-Imager, HPLC, PCR Machine, Liquid Scintillation Counters, Luminometer, Oxygraph, Bioreactors, French press, Lyophilizers etc., The students also have access to Central Instrumentation Laboratory of the University, which contains amino acid analyzer, scanning electron microscope, transmission electron microscope (TEM), atomic force microscope (AFM), SPR spectrometer, Confocal microscope etc. The entirety of the facilities is established through various national funding programs such as DST-FIST, DBT-CREBB and University Plan Grants. The members of the Department of Animal Biology are:

Faculty

Professors:

P. Reddanna, Ph.D. (SV University) – Eicosanoids, Inflammation and Cancer

Aparna Dutta Gupta, Ph.D. (BHU), FNA, FASc., FNASc, FAPAS – Molecular physiology and biotechnology, biointensive-integrated insect pest management.

S. Dayananda, Ph.D. (SV University), FNA, FNASc, FAPAS – Bacterial small RNAs, post-transcriptional regulation, bacterial horizontal gene transfer, catabolomics, metabolic engineering, biotransformation and biodegradation.

B. Senthilkumaran, M. Phil, Ph.D. (BHU), FNA, FNASc, FAP-AS – Molecular Endocrinology, Developmental Biology, Reproductive Biology of fish, Molecular mechansims of Sex Differentiation, Fish Neuroendocrinology

ManjulaSritharan, Ph.D .(Univ. of Hull, UK) – Infection biology, host-pathogen interactions – Iron acquisition by pathogenic mycobacteria and *Leptospira* spp. & evaluation of candidate markers as sero-diagnostic agents for tuberculosis & leptospirosis

JaganPongubala, Ph.D. (Univ. of Bombay) – Molecular immunology, stem cell biology, gene networks and epigenetics of cell fate regulation

Anita Jagota, PhD (JNU) – Neurobiology, neurodegeneration and brain aging, Molecular Chronobiology

Associate Professors

SreenivasuluKurkuti, PhD (BHU) – Signaling and epigenome dynamics in stem cell development

Suresh Yenugu PhD (Osmania Univ.) – Reproductive immunology and toxicology, transgenic technology

Assistant Professors

Kota Arun Kumar, Ph.D. (UH) – Genetic Manipulation of Plasmodium as a means of identifying drug and vaccine targets

RadheshyamMaurya, Ph.D. (BHU) – Mechanism of Infection and Immunity in visceral leishmaniasis, Drug discovery and identification of new diagnostic markers.

M. K. ArunaSree, Ph.D. (UH) - Protein-protein interactions of histone deacetylases: multi-drug resistance in bacteria and cancer.

BinduMadhava Reddy Aramati, Ph.D. (UH) - Cell signaling, gene regulation related to diabetes and cancer.

Proposed intake of the Department of Animal Biology for the academic year 2017-18:

Course	Subject	In take
M.Sc.	Animal Biology and Biotechnology	18
Ph.D.	Animal Biology	22

Note: The intake of PhD admission (22 seats) indicated above is only for academic period 2017-18 and this intake cannot be considered as a benchmark for subsequent years.

Department of Biotechnology and Bioinformatics

The Department offers application oriented, sought-after and cutting edge courses in frontier areas of Biotechnology and Bioinformatics. Innovation based training is imparted to the students with a special emphasis on basic concepts of biological processes in order to pursue research in frontier areas of modern biology. A total of 13 independent research groups are active at the department studying molecular and cellular processes involved in cyanobacteria, higher plants and human health and disease with an emphasis on discovery of interventional molecules and identification of targets with respect to pest control, bacterial and viral infections, cancer and neurodegenerative diseases. Bacterial genomics/functional genomics, cellular biology, microbial biology, protein biochemistry and structure function studies, bioinformatics and computational biology constitute major skill domains of our research groups. In addition, the Department has an exclusive expertise in generation and analysis of high throughput genome sequence data of bacterial species and harnessing them towards discovery of new gene functions and pathways. Teaching and research programs of the department are supported by special grants from the DBT, DST and the UGC towards MSc,M. Tech, and Int-MSc/PhD courses. The faculty members at the Department are supported with several extramural grants and some are decorated with national and international recognitions. The Department actively participates in several international research student exchange and training programs with international agencies such as German Research Foundation (IRTG1673), European Commission (FP7: Marie-Curie IRSES), DAAD and Academia Sinica etc.

The Department has numerous facilities such as animal cell culture facility, bacterial culture and co-culture facility, HIV culture facility, neuronal and neuroglial culture facility and stem cell culture facility. Further, it has several essential instruments such as centrifuges, spectrophotometers, circular dichrometer, phosphorimager, PCR machines, FPLC, 2-D Electrophoresis, shakers, incubators, real time PCR and flow cytometers etc. The students can benefit from the state of art confocal microscopy facility and the genomic/proteomics/metabolomics facility available in the School. The Bioinformatics infrastructure facility and library facility funded by the Department of Biotechnology, Government of India is a well-equipped facility that is used by the students. Students also have access to high performance computing facility and centre for modeling, simulation and design for regular training as well as project works.

Programs of Study

M.Sc. Biotechnology: This flagship course was introduced in the year 1990 under the nationwide post graduate program by the Department of Biotechnology (DBT), Government of India. The course encompasses a four semester program with credit system of evaluation. The program consists of DBT recommended syllabi, and the course structure may change from time to time at the recommendations of the DBT. The course is directed according to the DBT guidelines but with the flavor of cutting edge research being undertaken at the Department. Students in interaction with the Biotech industry can avail opportunities to learn translational aspects of product development and commercialization. The students shall be allotted/assigned to the available project supervisors, after successful completion of 2

semesters of coursework, based on the criteria in practice or as decided by the Department/School.

M. Tech Bioinformatics: M.Tech Bioinformatics is a state-of-art course, designed to train students in theory and computational techniques including hands-on practice using state of art servers and computer labs equipped with different software packages. The course is truly interdisciplinary and is offered with the help of different collaborating entities/scientists and computer experts within and outside the University. Each year, some of the students obtain attractive placement opportunities from reputed software and bioinformatics companies. The coursework spread over three semesters includes topics such as computational techniques, proteomics, basic statistics, basic mathematics, molecular modeling, genomics, bioinformatics, molecular dynamics, drug design, machine learning, mathematical modeling of biological systems and metagenomics etc. Students are encouraged to choose one elective course in second and third semesters from other Schools of the University. The students will carry out a project work during their 3rd & 4th semesters under the guidance of a faculty member, either at the Department or elsewhere in a collaborative mode. The students shall be allotted/assigned to the available project supervisors, after successful completion of 2 semesters of coursework, based on the criteria in practice or as decided by the Department/School.

Integrated MSc-PhD Biotechnology: This is a 5 year course extendable up to a maximum of 8 years. During the initial 2 years, students will be involved in an extensive course work, which needs to be completed before continuation to the PhD stream. Students who could not secure at least an (overall) B+ grade, but passed the minimum prescribed course work entailing 86 credits, should exit the course with a degree in M.Sc. Biotechnology. The students with an overall grade higher than B+ obtained during their 4 semesters of the coursework and project may be promoted to PhD stream to carry out their work under the supervision of a faculty member and are advised by a doctoral committee. They have to actively participate in journal club seminars, research work presentation etc. The research students must present their work in a comprehensive seminar before submission of their thesis. The students shall be allotted/assigned to the available research supervisors based on the criteria in practice or as decided/suggested by the admission committee/Department/School. Relaxation for women candidates are as indicated in the UGC guidelines. UGC guidelines for awarding PhD will be followed after promoting the student from MSc to PhD program.

PhD Biotechnology: This is generally a 3 to 6 years course. In the first two semesters there will be a minimal but essential course work component to assess for interdisciplinary skills and impart training in experimental methodology and research ethics etc. Soon after admissions, the students are expected to begin their work under the supervision of a faculty member and are advised by the doctoral committee from time to time. They have to actively participate in journal clubs and research work presentation. As per UGC guidelines PhD student have to publish at least one paper in peer reviewed journal and present their work in two conferences. The research students have to present their work in a comprehensive seminar before submission of their thesis. The students shall be allotted/assigned to the available research supervisors, at the time of selection, based on the criteria in practice or as decided/suggested by the admission committee/Department/School. Relaxation for women candidates are as indicated in the UGC guidelines.

Entrance Examination

M. Sc. Biotechnology: Selection is based on a common entrance examination in biotechnology (CBEE) conducted by the Jawaharlal Nehru University, New Delhi as part of the Biotechnology program supported by the DBT, Government of India.

M.Tech Bioinformatics: Admission to this course shall be through a written entrance examination followed by interview; the question paper shall include multiple choice questions in equal proportion from Maths, Physics, Chemistry, Biology and Computer Sciences. Further, GATE qualified candidates may be called to attend the interview based on their GATE qualification, although they can also write the entrance examination to enhance their scores. The GATE qualified candidates will be given weightage, for the purpose of calling for interview, and such weightage will be determined on the basis of a dynamic cut-off evolved in accordance with the performance of all the participants of the entrance examination. The course, one of the oldest running M.Tech courses, had been recognized by the AICTE but the same is currently pending renewal due to changes made in recognition criteria/change of policies at/by the AICTE. The university is directing all possible efforts to restore/renew AICTE recognition for this and other similarly affected courses; this situation is likely to affect provision of scholarship by the AICTE to the GATE qualified candidates.

Integrated M.Sc. /Ph.D. Biotechnology: Admission is based on an entrance examination and interview conducted by the department. The question paper will carry 80 objective type questions (80 marks) based on BSc level standards and will be chosen to test knowledge pertaining to Mathematics, Physics, Chemistry, Biology and quantitative aptitude. The candidates will be called for an interview (25 marks) in their order of merit based on the entrance examination.

Ph.D. Biotechnology: Admission to PhD Biotechnology should be through an entrance examination followed by interview. The question paper for the entrance examination will comprise of 80 multiple choice questions where 50% are based on research methodology and 50% are subject specific.

Faculty
Professors

Anand K. Kondapi, PhD (Andhra University): Molecular therapeutics, functional characterization of DNA topoisomerases in oncogenesis, HIV infection, neuro immune activity and brain aging (**Head of the Department**).

P. Prakash Babu, PhD (University of Hyderabad): Neurochemistry, cerebral ischemia (stroke), stem cell therapy, cerebral malaria, brain cancer, cell death (apoptosis/necrosis).

Niyaz Ahmed, PhD (Manipal University): Pathogen biology, molecular epidemiology, biology of chronic infections, host-pathogen interaction dynamics (**On deputation**).

K. P. M. S. V. Padmasree, PhD (University of Hyderabad): Biotechnological applications of proteinase inhibitors (agricultural and human therapeutics), bioenergetics of chloroplasts and mitochondria.

J. S. S. Prakash, PhD (JamiaHamdard): Functional genomics and cyanobacterial gene regulatory networks.

H. A. Nagarajaram, PhD (IISc): Computational systems biology; assessment of functional impact disease causing mutations at molecular and systems level; discovery of basic structural principles governing protein functions

Assistant Professors

MusturiVenkataramana, PhD(Sri Venkateswara University): Molecular studies on viruses causing Dengue and Chikungunya

VaibhavVindal, PhD (Manipal University): Gene regulatory networks, functional genomics of pathogens, analysis of protein sequence/structure/function.

N. Prakash Prabhu, PhD (University of Hyderabad): Protein structure, folding, dynamics.

Sunanda Bhattacharya, PhD (Bose Institute, Kolkata): Role of chaperones in genome stability and chromatin remodeling, understanding *Plasmodium* biology and host parasite interaction.

Insaf A. Qureshi, PhD (JamiaHamdard): Molecular biology, protein crystallography.

Gajula B. Madhubabu, PhD (Max-Planck Institute for Biophysical Chemistry, Goettingen, Germany): Behavioral neuroscience and neurodegenerative diseases

Nooruddin Khan, PhD (CDFD, Hyderabad): Molecular immunology, Infectious diseases.

Pankaj Singh, PhD (University of Hyderabad): Machine learning for Data Science, Mathematical/computational modelling of gene networks, Knowledge discovery in Neuronal aging/senescence and neurodegenerative diseases.

School of Humanities

The School of Humanities was founded on the conviction that the discipline of Humanities gives purpose, direction and value to education and life and these subjects are equally important to society like scientific and technological disciplines. The School aims at providing an appropriate space for common awareness and a sense of responsibility for making the University more than a complex of specialised departments and centres. In addition, it is committed to achievement of academic excellence, creativity and all-round development of students. The courses offered in the School reflect these objectives and concerns.

Prof. Panchanan Mohanty, Centre for Applied Linguistics and Translation Studies (CALTS), is the **Dean of the School.**

The School of Humanities comprises the following Departments / Centres:

1. Department of English
2. Department of Philosophy
3. Department of Hindi
4. Department of Telugu
5. Department of Urdu
6. Centre for Applied Linguistics and Translation Studies
7. Centre for Comparative Literature
8. Department of Sanskrit Studies
9. Centre for English Language Studies
10. Centre for the Study of Foreign Languages
11. Centre for Endangered Languages and Mother Tongue Studies
12. Centre for Dalit & Adivasi Studies & Translation
13. Centre for Buddhist Studies

Department of English

Rated as the best place in India for the study of English (by QS World Rankings) three years consecutively, the Department admits into its M.A. programme graduates from **any** basic discipline. It aims at providing instruction and carrying out research in all significant areas of English Literary Studies.

Programmes of Study

The M.A. programme extends over four semesters. It is a 72 credit programme, with 56 credits for Mandatory courses and 16 credits for optional courses, 4 of which may be obtained from other departments. Students may take additional courses, up to a maximum of 80 credits, keeping in mind the department schedule.

The **M.A.** programme covers different areas of English Studies (Language and Literature) such as Shakespeare and the Seventeenth Century; Eighteenth Century, Romantic, Victorian and Modern British Literature; American Literature; New Literatures; Indian Writing in English; Literary Criticism and Theory; Dalit Literature/Cultural Studies and the English Language.

The Department enrols students for research both at the M.Phil and Ph.D. level. The topic of the dissertation/thesis is approved by the Department and carried out under the supervision of a Faculty member depending on faculty availability, interest and specialization.

The **M.Phil** is a programme lasting a minimum of three semesters which includes course work of a minimum of 12 credits and a dissertation for 12 credits. The programme includes written examinations for the course work, the grades of which are part of the final tally for the M.Phil. as a whole.   Attendance as mandated in the Department will be monitored. Candidates are expected to give an open pre- submission seminar on their research topics. The dissertation is examined by both internal and external examiners, with a viva voce at the end.   For admission to the M.Phil. programme, applicants must submit, along with the application, a brief (about 500 words) research proposal.

The **Ph.D** programme normally extends over a minimum period of two years from the date of admission. The programme requires mandatory course work of 16 credits to be completed in the first two semesters, leading to a research proposal at the end of the 3rd semester. Students are required to write a dissertation on an approved topic under Faculty guidance and take an oral examination. Applicants for admission to the Ph.D. programme must submit, along with the application, a brief description (about 1000 words) of their proposed topic of research.

The Department will help both M.Phil and Ph.D. students choose their topics and supervisors.

Currently, the Department encourages work in *Indian Writing in English, Dalit Studies, Diaspora Studies (specifically literature from the South Asian Diaspora), Victorian Literature and Culture, Shakespeare Studies 18th Century English Literature, Indo-British Literary and Cultural Transactions, Children's Literature, Popular Culture, English Literature of the Romantic Age, Postcolonial Literatures in English. The Department particularly encourages research projects relating to English in India, its socio-historical and pedagogical reaches – its thrust area for UGC's DSA-II program.*

The Department supervises only that research work where primary materials are available in English, or in English translation.

Detailed areas of interest/expertise are listed against the names of individual Faculty below, and indicate the areas in which they might be willing to supervise research. Prospective candidates are advised to go through Faculty profiles here and on the University-Department website when applying.

Entrance Examination

M.A

Multiple Choice Questions for **100** marks. These will include questions and exercises in comprehension, language and literary awareness.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology, broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.
Part B: 40 marks, will be on subject concerned.

In addition, there is an Oral Test for **25** marks for shortlisted candidates. For examining their research aptitude, at the Interview, the candidate will be examined on:
- Research Proposal: quality, innovativeness, methodology
- Language skills
- Literature Review
- Argumentation (in the proposal and at the interview)
- Familiarity with Primary sources and working bibliography

Infrastructural facilities
The Department receives additional support from the UGC-DSA (Department of Special Assistance) program. This status was accorded to the Department after a review of its performance under three successful phases of assistance under the DRS (Departmental Research Support – I) and the DSA-II. The UGC in 2015   sanctioned an amount of Rs. 120,00,000 to the Department under DSA-Phase II to be spent over five years starting 2016 for a project titled "English in India: Variants and Contemporary Developments".

The Department has Photocopiers, essential audio-visual equipment, and a substantial text book library built up purely on the strength of donations from Faculty, students and other well-wishers. The Department's Multimedia Laboratory is used for the study of language, drama, media and contemporary images. Several donors have contributed financially to the Department. They include Nirmala Rita Nair, CT Indira, Linda Dittmar and the Chanduri family. The Department gives an annual prize in the name of Prof. Dorothy Deering.   The Department co-hosts the Annual Srinivas Rayaprol prize in Poetry with the Rayaprol Trust.

Faculty

Professors

Sachidananda Mohanty, Ph.D. (IIT Kanpur); D.H. Lawrence and 20th Century Fiction, Intellectual History, Canon Formation, Nineteenth Century Literature, Regional Writing, Translation, Women's Writing, Cultural Studies. (On leave until Oct. 2018)

K. Narayana Chandran, PhD (IIT Bombay) American Literature; Modern Literatures in English; English in India (the history and pedagogy of the discipline); Translation; Short Narrative Forms; Reading/Literacy Theories; Malayalam Literature and Culture; Indian aesthetic/comparative studies; New Literatures /Theory in English; Allusion, Intertextuality, and Intergenres. (**Re-employed**)

Pramod K. Nayar, Ph.D. (Hyderabad); Colonial Discourse Studies, Literary & Cultural Theory, Posthumanism, Comics and Graphic Novels, Human Rights and Literature (**Head of the Department (DSA-II Coordinator)**)

Associate Professors

D. Murali Manohar, B.A. B.Ed., M.Phil., Ph.D. (Hyderabad); Indian Writing in English, Indian English Women's Fiction, Dalit Literature/Studies and Women's Studies. (On leave, Jan. 2017-Jan 2018)

Anna Kurian, Ph.D. (CIEFL, Hyderabad); Shakespeare Studies, Children's Literature.

Assistant Professors

Sindhu Menon, Ph.D. (Hyderabad); Children's Literature, 18th Century Literature and Romantic Literature, Indo-British Literary and Cultural Transactions.

Sireesha Telugu, Ph.D. (Hyderabad); Indian Writing in English, American Literature, South Asian Women's Diaspora, Indian Diaspora and Literature, Women's Studies

Siddharth Satpathy, Ph.D (University of Chicago): Victorian Literature and Culture, Post Colonial Thought, Indian Intellectual Traditions in the 18th and 19th Centuries, Religious Culture, Literary History, Novel, and Autobiography

Girish D. Pawar, Ph.D. (EFLU, Hyderabad); Cultural Studies, New Literatures in English, Theatre, Modern Literatures and Transmedia Studies.

B. Krishnaiah. M.A.,SLET., M.Phil., Ph.D. (Kakatiya University, Warangal); Indian Writing in English, Indian English Women's Fiction, Postcolonial Studies, Dalit Studies.

Department of Philosophy

The Department is eminently known in the country for research in diverse fields of philosophy. It has been recognized by the UGC as a Department of Special Assistance since 1987. The thrust areas of research under this programme are (1) Philosophy of Language (2) Philosophy of Cognition and Mind. In addition to these, the Department also carries on

research in   Contemporary Western Philosophy, systems of Indian Philosophy like Nyaya, Buddhism and Vedanta, Indian Aesthetics, Philosophy of Science, Social and Political Philosophy, Epistemology, Ethics, and Logic.

Programmes of study

M.A. Programme

In this programme the Department offers courses at two levels. At the basic level it offers core courses in the classical schools of Indian and Western Philosophy, Ethics and Logic. At the advanced level it offers optional courses in the various fields of philosophy such as Advanced courses in Nyaya and Buddhism, Social and Political Philosophy, Philosophy of Science, Philosophy of Language, Philosophy of Art, etc.

M.Phil Programme

In this programme emphasis is laid on generating aptitude for independent research. It requires both course work and the writing of a dissertation. The course work consists of studying Contemporary Indian and Western philosophical problems. In addition, the students are required to do a course on Research Methodology and a course related to their respective dissertations.   Interdisciplinary   research   is   encouraged,   where   two   or   more departments/schools are involved.

Ph.D. Programme

The Ph.D. Programme aims at developing original research in diverse fields of philosophy. It encourages interdisciplinary research.   The research scholars are required to write a dissertation on a topic of their choice in consultation with the supervisor after completing at least two semesters of course work. Interdisciplinary research is encouraged, where two or more departments/schools are involved.

Entrance Examination

The entrance (written) examination for admission to the M.A.,. will have two parts - Part 'A' and Part 'B'.   Part 'A' consists of 25 objective (multiple choice) type questions of one mark each. Part 'B' is for 75 marks for M.A.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016.   Part A – 40 marks will be on Research Methodology, broadly will be as follows :

Research Methodology : "*The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

In addition, there is an Oral Test for **25** marks for shortlisted candidates.

Infrastructural facilities
The Department offers centralized facilities such as computers with internet facility.

Faculty
Professors

A. Raghurama Raju, Ph.D. (IIT, Kanpur) - Social and Political Philosophy, Contemporary Indian Philosophy

Prajit Kumar Basu, Ph.D. (IISc, Bangalore), Ph.D. (Iowa) – History and Philosophy of Science, Epistemology **(SAP Coordinator)**

K. Siddeswara Prasad, Ph.D. (SVU) - Nyaya, Indian Philosophy **(Head of the Department** and **SAP Deputy Coordinator)**

Associate Professors

Chandra B. Varma, D.Litt (Ranchi University) – Buddhism, Indian Philosophy, Phenomenology, Translation of the Philosophical Works from Pali, Prakrit and Sanskrit into English

Ananda V Wazalwar, M.Phil. (Rajasthan) - Moral Philosophy, Epistemology

Assistant Professors

Abhijeet Joshi, Ph.D. (Pt. R.S. University) – Advaita Vedanta

B. Ananda Sagar, Ph.D. (University of Hyderabad) – Epistemology and Analytic Philosophy

Venusa Tinyi, Ph.D. (University of Hyderabad) – Logic, Analytic Philosophy

Kavita Chauhan, Ph.D. (Panjab University, Chandigarh) – Philosophy of Art, Indian Philosophy

Department of Hindi

The Department of Hindi aims at providing teaching and research facilities in Hindi, keeping in view the changing social norms, communication patterns, different social roles of language in our society and fast changing social values in our time. While drawing up the syllabus, sufficient care has been taken to cater the present needs of the society. It has been kept flexible enough to incorporate various requirements of the students in the context of contemporary society. Special attention is paid to the regional needs and comprehensive studies of language and literature.

Programme of Study

The Department offers M.A., M. Phil. and Ph.D. Programmes in Hindi.

The **M.A. Hindi Language and Literature** course extending over four semesters provides instruction and guidance for acquiring knowledge in various new fields of Hindi language and literature without entirely neglecting the old and medieval texts and offers wide scope for elective studies. Special emphasis is also given to the functional aspects of the language.

M.A. Hindi Language and Literature course will have **two streams: (i) Literature Stream (ii) Functional Hindi and Translation stream.**

This course will have common papers up to 3rd Semester and in the 4th Semester the Streams will be separated. **In case a student opts the Functional Hindi and Translation stream, he/she will be offered four separate courses (Four credits each) and it will be mentioned -'Specialization in Functional Hindi and Translation' in his/her degree of M.A. Hindi Language and Literature.**

The **M. Phil programme** is a three semester programme. The students will take courses on research methodology and advanced literary trends in the first semester and write a dissertation on an approved topic in the second semester under the supervision of a Faculty member.

The **Ph.D. programme** is entirely a research programme, having course work of 16 credits in the 1st year. Students are required to submit their thesis after passing the prescribed courses for Ph. D Programme. No student is permitted to submit his/her thesis for the Ph.D. degree unless he/she has passes the courses of research in the department as prescribed in a period of one year, extendable up to a period of one more year semester by semester from the date of confirmation of admission. There will be written and oral examinations for the course work prescribed therefor.

Applicants for the M. Phil and Ph.D. courses must submit a brief description (in about 500 words) of their proposed topic of research along with their applications.

Research in the following fields is given preference:
1. Bhakti Literature/ Bhakti Movement
2. Comparative Studies
3. Sociological approach to Literature
4. Various aspects of Modern Literature
5. Dakkhini Hindi – Language and Literature
6. Dalit and Tribal Literature
7. Functional Hindi and Translation
8. Mass Media and Cultural Studies
9. Women and Gender discourse

Entrance examination
The entrance examination for **M. A. Hindi Language & Literature** will consist of 100 objective type questions only to be answered on **OMR Sheet .** The written test will be based on objective type questions of B.A. Standard related to the following areas on**:**

1. History of Hindi Language and Literature.
2. Works of prominent personalities of Hindi Language and Literature.
3. Scientific and Academic topics related to Hindi language and literature.
4. Questions on General Hindi Grammar/Linguistics.

There is negative marking and 0.33 marks will be deducted from total marks obtained by the candidate for each wrong answer in M.A. as per University rules.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology, broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned which is as follows :

M.Phil. :

1. History of Hindi Literature
2. History of Hindi language
3. General Linguistics
4. Works of prominent personalities of Hindi Language and Literature
5. Scientific and academic topics related to Hindi language and literature.

Ph. D. :

1. History of Hindi Language and Literature (Questions will be from the areas of Medieval
    poetry, Modern literature, Drama and Fiction, Linguistics, Indian & Western Poetics & Criticism etc.)
2. Research Methodology and related topics.

In addition, there is an Oral Test for **25** marks for shortlisted candidates.

Faculty

Professors

V. Krishna, Ph.D. (Osmania)- Modern literature, Philosophy of literature, Comparative studies, Functional Hindi, Translation, Dalit Literature and Identity Studies. **(on lien)**

Ravi Ranjan, Ph.D. (Hyderabad)- Bhakti Poetry, Modern Literature, sociology of Literature & Literary Criticism **(on lien)**

R.S. Sarraju, Ph.D. (Andhra)- Functional Hindi and Translation studies, Comparative Indian Literature, Sociology of Literature. **(Head of the Department**)

Sachidanand Chaturvedi, Ph.D (Kanpur), Ph.D. (Manipur)- Sanskrit literature, Hindi Poetics, General Linguistics, Modern Hindi Prose. (Essay)

Gajendra Kumar Pathak, M.A.Hindi (JNU), M.Phil. (JNU), Ph.D. (V.K.S.U.)- Renaissance, Modern Literature, Criticism

Alok Pandey, Ph.D. (JNU) – Bhakti Literature, Modern Literature, Sociological Approach to Literature, Media, Hindi Cinema, Cultural Studies, Interdisciplinary studies.

Associate Professor
M. Shyam Rao, Ph.D. (Hyderabad) – Modern Hindi Poetry, Aesthetics, Marxist Approach to Literature, Sociology of Literature.

Assistant Professors
Bhim Singh, Ph.D. (Delhi)- Modern Hindi Literature, Folk Literature.

M. Anjaneyulu, Ph.D. (Hyderabad)- Modern Hindi Literature, Comparative Studies.

J. Atmaram, Ph. D (Hyderabad)- Hindi Criticism, Machine Translation and Functional Hindi & Translation

Department of Telugu

The main objective of the Department of Telugu is to promote studies in Telugu Language and Literature. The Department undertakes teaching and research in Telugu with emphasis on various aspects of historical and comparative studies in language and literature. The syllabus for various courses is drawn keeping in view of the changing needs of the society in relation to language use, and the role of literature in the society. An equal importance is also given for studies in Classical literature and Sanskrit, along with interdisciplinary approach.

Programmes of study

The Department offers **M.A.,** and **Ph.D.** programmes in Telugu.

The **M.A.** programme in Telugu is of four-semester duration with all the important areas of study. There are 3 Core and 2 Optional courses in each semester totalling 20 courses. All the courses are 4 credits each and the students of M.A. have to earn 80 credits to get the Degree. The courses are designed with an emphasis on the all round development of the personality of the students with an adequate importance to job opportunities. The courses provide a wide range of specializations such as classical, modern, folk, Dalit and Diaspora literatures, literary criticism and aesthetics, traditional grammar, Telugu linguistics, computer application to Telugu language, and mass media.

The **Ph.D.** programme is entirely a research programme oriented towards studies in classical and modern Telugu literature, comparative literature and culture, history, and Language studies. The Ph.D. programme will normally extend over a minimum period of three years from the date of confirmation of admission and maximum of six years. The nature of the programme is individually designed for each candidate but invariably include course work in the first semester and later a thesis on the approved topic under faculty guidance.

Entrance Examination
I. The Entrance Examination for M.A.consists of 100 objective type questions of one mark each to be answered in OMR Sheet. The questions will be based on graduation level in the

areas of classical and modern literary works, genres, authors, quotations, grammar, chandas, alankaras, Andhra Culture, history of literature, and history of Telugu language, General Knowledge, current events etc. Negative marking is applicable for every wrong answer.

Ph.D.

The question paper of Ph.D. course shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology, broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned like the following :

Classical and modern literature, linguistics and history of Telugu Language and Literature, grammar, chandas, alankaras, literary criticism, folk Literature, dramaturgy, aesthetics, literary works, authors, basic Sanskrit knowledge, General Knowledge etc.

The candidates who qualified in the written test have to attend oral test for 25 marks.

Faculty

Professors
S. Sarat Jyotsna Rani, M.A. (Nagarjuna), M.Phil.(UoH), Ph.D. (Osmania), D. Litt. (Berhampur). Classical and Modern Literature; Modern Poetry; Folk Literature and Cultural History of Andhras, Telugu Drama and Literary Criticism.

Tummala Ramakrishna, M.A., M.Phil., Ph.D. (Sri Venkateswara). Modern Literature, Fiction Studies and Creative Writing and Text Book Preparation, Audio and Visual Lesson Preparation and Mass media Writing **(Head of the Department).**

G. ArunaKumari, M.A. Telugu, M.A. Sanskrit, M.A. Philosophy (Osmania); M.Phil. and Ph.D. (UoH). D. Litt. (Berhampur). Modern Literature, Classical Literature, Folk Literature, Sanskrit, Logic and Inscriptional Telugu, Comparative Literature. **(Head, Center for Classical Language – Telugu)**

R.V. Rama Krishna Sastry, VyakaranaVidyaPraveena, BhashaPraveena, M.A. Sanskrit, M.A. Telugu (Andhra), M.A. Jyothisha (PSTU), M.A. Linguistics (Annamalai), Ph.D. Sanskrit & Ph.D. Telugu (Andhra), CIC (IGNOU). Telugu and Sanskrit Grammar, Classical Literature, Literary Criticism.

Pillalamarri Ramulu, M.A. (Osmania) M.Phil., Ph.D. (UoH) P.G. Diploma in Sanskrit. Classical and Modern Literatures, East and West Aesthetic theories, Literary Criticism, Evolution of Telugu Literature, and Cultural Studies.

Darla Venkateswara Rao, M.A. Telugu (UoH), M.A., Sociology (B.R.A.O.U.), M.Phil., Ph.D. (Telugu) (UoH) P.G. Diploma in Linguistics & Teaching of Telugu Language (PSTU.), Diploma in Sanskrit (O.U). Comparative Aesthetics, Literary Criticism, Applied Criticism, Classical Literature, Modern Poetry, Dalit Literature, Sociological approach to Literature, Telugu Diaspora Literature.

Assistant Professors

Pammi Pavan Kumar, M.A. Telugu (UoH), M.A. Linguistics (Annamalai), M.Phil., Ph.D. (UoH). Classical and Modern Grammar, Applied Linguistics, Natural Language Processing, Preparation of text books and Mass Media.

D. Vijayalakshmi, M.A. Telugu (Madras); M.A. Linguistics (Annamalai); Ph.D. (SPMVV, Tirupati) Diploma in Tamil (Madras), P.G. Diploma in Telugu Translation (SPMVV, Tirupati). Telugu Language, Literature and Comparative Studies.

B. Bhujanga Reddy, M.A., M.Phil. Telugu(UoH), M.A. (Applied Linguistics), Ph.D. Linguisitcs (PSTU), M.A. Sanskrit (Kakatiya) P.G. Diploma in Translation Studies, Literary Criticism, Literary Translation, Telugu Grammar and Linguistics.

D. Vijayakumari, M.A.(Andhra), M.Phil., Ph.D.(UoH). Folk Literature and Desi Literature.

Department of Urdu

The Department of Urdu aims at providing teaching and research facilities in Urdu.

Special importance is given for studies in classical and modern literature and Deccani research especially editing of Deccani Manuscripts. The syllabus is updated keeping in view of the changing needs of the society. The syllabus includes job-oriented courses like Translation: theory and practice; Computer and Urdu Software Practice; Urdu Journalism and script writing for Audio-Visual media. This is the only Department in the country having computer lab of 12 PCs with internet connection. A separate room with some PCs is available for use of the research scholars. The Department conducts workshop, extension lectures by eminent scholars, and symposia/seminars of National and International level. There is tremendous response of M.Phil. and Ph.D. research and a good research output also.

The Department offers **M.A., M.Phil**., and **Ph.D.** programmes and **IMA** course in Urdu.

The **M.A.** Urdu syllabus has both modern and interdisciplinary features. The programme aims at giving a fair knowledge of all the important forms of Urdu literature with introduction of other disciplines in Humanities and Social Sciences relevant to Urdu literature. The programme consists of several innovative optional courses like translation

theory & practice, Writing methods for audio visual media, and core/compulsory courses in Computer & Urdu Software practices and Introduction to Urdu Journalism.

The **M.Phil.** Programme has twin objectives: i) to train a student in research methodology so that he/she may pursue Ph.D. research in a systematic manner; and ii) to familiarize them with practical criticism so that their research does not become a mere enumeration of facts but exhibits an exercise of the faculties of critical appreciation and evaluation of literary works.

The candidates for **Ph.D.** may be required to work on a topic approved by the Departmental Committee but our special targets are i) inter-disciplinary topics ii) topics of comparative literature. *Applicants for the Ph.D. course must submit along with their applications, a brief description (in about 500 words) of their proposed topic of research.*

Entrance Examination

The entrance examination for M.A. will consist of three parts; Part 'A' and Part 'B' and Part 'C'. The question paper will consists of objective type questions for 25 marks under Part 'A', two essay type questions for 50 marks under Part B and 25 marks for one question exclusively on Urdu poetry under Part 'C'. The objective questions are designed to test candidate's knowledge at appropriate level, i.e., B.A. level. Two questions of essay type are to test the explanatory/descriptive ability of the candidate in Urdu language/literature and general topics. The question on poetry is to determine the candidate's capacity for understanding and explaining various genres of poetry such as copulates from Urdu ghazal, Nazam, Rubai, Qata and others.

M.Phil. and Ph.D.
The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology, broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

The examinations of M.Phil. and Ph.D. will be based on the M.A. and M.Phil. syllabus respectively. The question paper for both the examinations, will consists of objective type questions under Part A, which is to be answered on OMR sheet, and descriptive questions to be answered in Answer Book.

The qualified candidates for M.Phil. & Ph.D. will have an interview for 25 marks.

Professors

K. Muzaffar Ali: Ph.D (Madras) Poetics, Classical Urdu Literature, Modern Poetry Modern and Post Modern Criticism, Genres of Urdu Literature and Metaphorical Studies in Urdu Literature.

Associate Professor

Habeeb Nisar: Ph.D (UoH) Classical Prose and Poetry, Deccani Literature, Interdisciplinary Studies, Criticism, Textual Criticism, Practical Criticism, Urdu Fiction.

Assistant Professors

Arshia Jabeen: Ph.D (UoH), Modern Prose, Modern Fiction, Modern Literary Criticism, Computer Studies.

Abdur Rab Manzar: Ph.D (Osmania) Modern Criticism, Modern Prose and Poetry

Mohd Kashif: Ph.D (JNU) Modern Fiction and Mass Media

Nishath Ahmed: Ph.D (UoH) Daccani Literature, Modern Prose and Poetry

Md Zahidul Haque: Ph.D (JNU) Classical Poetry, History of Urdu Language and Literature, Urdu Journalism and Mass Media, Comparative Literature.

Dr. Rafia Begum, Ph.D. (UoH) Fiction, Non Fiction and Modern Poetry.

Centre for Applied Linguistics and Translation Studies (CALTS)

The Centre for Applied Linguistics and Translation Studies (CALTS) was established as a research centre in 1988. The Centre started offering postgraduate teaching programme since 1990. The Centre specializes in Language Interface Studies with an emphasis on Language Teaching, Sociolinguistics, Psycholinguistics, Translation Studies, Lexicography, Language Typology and Language Technology [for which a Special Assistance Programme has been sanctioned by UGC – Phase-I: 2002-2007, Phase-II: 2007-2012, DSA-I, 2015-2020]. Apart from being one of the advanced centres of teaching and research in Linguistics and Translation Studies in the country, CALTS has also created a substantial computational facility for research and training in Natural Language Processing (NLP) and Machine Translation (MT). CALTS has specialized Faculty members in the areas of Language Teaching, Syntax and Semantics, Historical Linguistics, Psycholinguistics, Sociolinguistics and Translation studies involving different Classical and Modern Indian and Foreign Languages such as Sanskrit, Telugu, Tamil, Kannada, Odia, Bangla, Khasi and Russian.

CALTS has undertaken major research projects on Indian Language to Indian Language Machine Translation (ILILMT), Shallow Parser Tools for Indian Languages (SPTIL

Assamese, Bodo, Dogri, Gujarati, Hindi, Konkani, Kashmiri, Maithili, Manipuri, Nepali, Odia and Santali) and Indian Languages Corpora Initiative (ILCI) Phase II funded by DeitY, Ministry of Communications and IT, Govt. of India. CALTS has been evaluated and rated as **Centre of Excellence** in 2010 among 32 important institutions in the country by the Research Council of United Kingdom.

Programmes of study

The Centre offers the following programmes:

i)   M.A. in Applied Linguistics
ii)   Integrated M.A. in Language Sciences
iii) M.Phil. Applied Linguistics
iv)   M.Phil. Translation Studies
v)   Ph.D. in Applied Linguistics

M.A. in Applied Linguistics is a four-semester programme with 5 papers per semester. The compulsory courses cover: Phonetics, Phonology, Morphology, Syntax, Language Culture & Critical Theory, Semantics, Language Teaching & Testing, Translation Studies, Lexicography, Computational Linguistics, Historical Linguistics, Field Linguistics, Psycholinguistics and Sociolinguistics. The electives offered include: Formal Semantics, Word Formation, Advanced Topics in Sociolinguistics, Advanced Computational Linguistics, Machine Translation, Computational Lexicography, Linguistics and Literature, Analytical Techniques, Structure of selected Indian languages, Advanced Syntax, etc.

I.M.A. in Language Sciences: This ten-semester programme trains students in Liberal Arts in the emerging areas of Computational Linguistics, Language Technology, Cognitive Linguistics among others. The course is offered through the College for Integrated Studies.

M.Phil. in Applied Linguistics /Translation Studies is a three semester course. Out of which the first semester is for Course work and the other two are for the dissertation on topics approved by the Centre.

Ph.D. in Applied Linguistics extends over a minimum period of two years from the date of confirmation of admission. The nature of the course is tailor-made to cater to the specific requirements pertaining to the research interests of each individual research scholar. The course work comprises of four papers spread over 2 semesters. It is followed by submission of a thesis on an approved research topic (16 credits) by the Centre. All students need to fulfil the UGC requirements for the successful completion of the programme.

Entrance Examination

The pattern of the question paper for the entrance examination 2017 shall be as follows:

(A) **M.A. in Applied Linguistics (100 marks) :**

There will be 100 objective type questions spread across five sections:
Section – A: Verbal & Numerical Aptitude   --- 20 marks
Section – B: Analytical Aptitude   --- 20 marks
Section – C: Knowledge of English   --- 20 marks
Section – D: Knowledge of World Languages   --- 20 marks
Section – E: Language Analysis & Solving Problems   --- 20 marks

(B) IMA Language Sciences (100 marks):

There will be 100 objective type questions spread across three parts:
Part –A: Test the competence in the concerned subject   -- 40 marks
Part –B: Test the competence in English   -- 35 marks
Part –C: Test the competence in the current affairs and general knowledge   -- 25 marks
    (see for details under **College for Integrated Studies**)

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

In addition to this, there will be an interview for 25 marks for those who qualify in the written examination.

Note: 1. The question papers of M.A. and Ph.D. are in the objective type and shall be answered in an OMR sheet following the instructions given both in the question papers and the OMR sheet.

Faculty

Professors

Panchanan Mohanty, Ph.D. (Berhampur): Language Teaching & Testing, Psycholinguistics, Phonology, Morphology, Sociolinguistics, Language Endangerment Studies Computational Linguistics, Quantitative Linguistics, Translation Studies. **(Dean, School of Humanities & Head of the Centre)**

G. Uma Maheshwara Rao, M.A. Applied Linguistics (SUNY, New York), M.A. Linguistics., Ph.D. (Osmania): Computational Linguistics & Machine Translation, Historical Linguistics and Remote Genetic Relations in Mongolian, Turkic and Dravidian families, Derivational Morphology, Nonlinear Phonology.
(Re-employed)

Gautam Sengupta, Ph.D. (Massachusetts): GB Theory, Philosophy of Language, Computational Linguistics & Formal Semantics and Linguistic Cognition.

K. Subrahmanyam, Ph.D. (Andhra): Paninian Studies, Sanskrit Language and Literature, Telugu Grammar & Literature, Comparative Literature, Translation Studies, Literary Criticism, Lexicography and Semantics, Discourse Analysis and Natural Language Processing. **(Joint Faculty, Dept. of Sanskrit Studies)**

Shivarama Padikkal, Ph.D. (Mangalore): Translation Studies, Cultural Studies, Kannada Language & Literature. **(Joint Faculty, Centre for Comparative Literature)**

J. Prabhakara Rao, Ph.D. (Moscow) : Systemic Linguistics and Systemic Typology, Mathematical & Computational Linguistics, Methodology of Linguistics, Translation Studies, Russian Linguistics and Russian as a Foreign Language. (**Head, Centre for Study of Foreign Languages)**

Associate Professors

K. Rajyarama, Ph.D. (UoH): Derivational Morphology, Language Teaching & Testing, Machine Translation, Semantics, Syntax, Translation Theory and Practice.

Gracious Mary Temsen, Ph.D. (Delhi): Syntax, Linguistic Typology, Language Documentation, Khasi Linguistics.

Assistant Professors:

K. Parameswari, Ph.D.(UoH): Computational Linguistics & Machine Translation, Linguistic Divergence.

Sriparna Das, Ph.D. (UoH): Translation Studies, Gender Studies, Literature Studies.

S. Arulmozi, Ph.D. (UoH): Computational Linguistics, Sociolinguistics, Language Analysis.

Morey Dipak Tryambak, M.Phil. (EFLU): Linear and Non-Linear Phonology.

Centre for Comparative Literature

The Centre for Comparative Literature, functioning since 1988, aims at providing an interface - between literatures and cultures. The Centre offers **M.A.**, **M.Phil.** and **Ph.D.** programmes which encourage a study of archives of knowledge in order to develop a critical awareness of various socio political and cultural discourses.

Programmes of Study:
The **M.A.** in Comparative Literature is a four-semester programme and each semester carries 16 credits. There is continuous evaluation followed by semester-end examinations. The programme allows a choice of elective / optional courses and also a research-oriented project-dissertation in the fourth semester. While the programme traces the history of the discipline and the development of methodologies, it also emphasizes Translation Studies and Cultural Studies as tools to engage with literatures and cultures.

The **M.Phil.** in Comparative Literature is a three-semester programme, including course-work and dissertation. The first semester course-work, of compulsory / elective / optional courses for 16 credits, has continuous evaluation and a semester-end examination on the courses studied. By the

end of the three semester, the student is required to submit a dissertation, written under faculty guidance on an approved topic, as per the rules and regulations of the Centre/University.

The **Ph.D.** in Comparative Literature extends over a minimum period of two years. The nature of the programme is decided by the student in consultation with faculty, but the requirements invariably include course-work comprising 16 credits over a minimum of 2 semesters or a maximum of 4 semesters and a thesis on an approved topic under faculty supervision.

Medium of Instruction:
Applicants should note that the medium of instruction in the Centre is English, and, hence, should ensure that they have a good knowledge of English to follow the lectures and actively participate in curricular activities.

Entrance Examination:
The entrance examination for **M.A.** will carry **100 marks**, comprising questions of objective type that will test the candidate's language / analytical / reasoning skills as well as awareness of Indian / world literatures, literary criticism / theory and contemporary trends / movements.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : "*The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information*". *Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned that includes :
Indian / world literatures, comparative / literary / cultural theories.

Short-listed **M.Phil. / Ph.D.** candidates have to appear for an interview for **25 marks**, with copies of their research proposal, on dates notified by the Centre/University

Applicants for the **M.Phil.** programme must submit along with the application a brief description (about **500 words**) of their proposed topic of research. Applicants for **Ph.D.** admission must submit along with the application a brief description (about **750 words**) of their proposed topic of research and evidence of submission of M.Phil. / M.Litt. dissertation as well as copies of published books/papers. Applications unaccompanied by these may not be considered.

For more information: www. ccluoh.in

FACULTY

Professor

M.T. Ansari, Ph.D. (EFLU, Hyderabad) – Cultural Studies; Criticism and Theory; Kerala Studies; Minority Discourse. **(Head of the Centre)**

Assistant Professors

Sowmya Dechamma C.C., Ph.D. (University of Hyderabad) – Indian Literatures, Translation Studies, Kodava Language and Cultural Discourse.

J. Bheemaiah, Ph.D. (Osmania University, Hyderabad) – Dalit and Tribal Studies; Indian Literatures; Literature of the Margins; Culture Studies.

Department of Sanskrit Studies

Sanskrit is a repository of unlimited invaluable knowledge of Ancient Indian Heritage. There is an urgent need for knowledge mining from Ancient Sanskrit texts for bridge building between the past and the future through the present. Keeping this in view, a unique research oriented Department of Sanskrit Studies was established in 2006 which will act as an interface between Sanskrit and the sub-fields of the Humanities, Social Science and the Sciences.

Vision Statement

- The Department acts as a platform for a new generation of scholars in Sanskrit and Science to emerge as a world class interdisciplinary teaching and research oriented department.

Mission Statement

- To build bridges between the Ancient Indian knowledge systems and the current knowledge systems.
- To explore Ancient Sciences and Technologies with a modern perspective to build alternate viable systems for the future.
- To train traditional scholars in order to undertake research in application oriented knowledge mining.
- To collect, preserve, and maintain the manuscripts dealing with Ancient Indian Sciences and Technology.

Ph.D. Programme

The Department offers a Ph. D. program in Sanskrit Studies. While the present focus of program is in Language Technologies and Ayurveda, the Department encourages research in Sanskrit Studies in other disciplines such as Physical Sciences, Social Sciences, Management, etc. The Ph.D. Program extends over a minimum period of two years from the date of confirmation of admission. The nature of each program is individually decided for each candidate, which will include four courses and a dissertation on an approved topic under the Faculty guidance.

The candidates admitted to Ph.D. programme in the department will be governed by the following rules:

1. All candidates admitted to Ph.D. in the department, whether full time, part time or external, are required to complete a course work of 4 courses of 4 credits each within a period of 2 year from the date of admission. The admission is provisional which is subject to confirmation on successful completion of the course work.

2. In case a candidate is unable to pass in all the 4 courses within 2 years, his/ her admission

stands automatically cancelled.

3. Out of the 4 courses, 2 courses are core papers and 2 are elective. The Choice of 2 courses is decided by the Doctoral Research Committee of the candidate concerned from among the list of approved courses by the Departmental Committee.

4. Examinations will be conducted twice a year, i.e., in October/ November and April / May.

5. On successful completion of the four papers, the provisional admission will be confirmed.

The goal of Language Technologies discipline is to "Train Sanskrit Scholars in the emerging field of Sanskrit Computational Linguistics showing the relevance of traditional śābdabodha theories to the field to computational Linguistics, thus bridging the gap between the past and the present." During the course, the student will be exposed to the basics of mathematics, statistics, logic, computer programming and NLP in addition to the exposure to the linguistics and strengthening their base of Vyākaraṇa.

The goal of Ayurveda discipline is to conduct literary research in Ayurveda to redefine the concept of 'svāsthya' besides establishing an interdisciplinary dialog between Sanskrit, philosophy and medicine. Students are trained to work on the linguistic aspects of samhitās, contextual interpretations, authenticity of existing translations and encouraged to generate data useful for pre-clinical research, based on original texts.

Entrance Examination

Ph.D. : The question paper of Ph.D. course shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSECSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

In addition, there is an Oral Test for **25** marks for shortlisted candidates.

Part 'B' will have three sub-sections. The first sub section consists of 10 marks, wherein the candidate has to write a short note on the topic in which he would like to do research, explaining the methodology involved. The second sub-section consists of short answer type questions (30 marks). The questions in second sub-section are on the topic of specialisation. Student interested in pursuing research in Ayruveda will answer questions related to Ayurveda discipline and those interested in pursuing research in Language technologies will answer questions from Vyakarana, linguistics, NLP, Computational linguistics and Navya Nyaya.

Faculty

Professor

Amba P. Kulkarni, M.A. (Sanskrit), M. Sc. (Maths), M.Tech. (CSE, IIT, Kanpur), Ph.D. (Applied Linguistics, University of Hyderabad) – Bridging the gap between Science and Technology in Sanskrit texts and the Modern Science and Technology, with special emphasis on Language Technology, Computer Science and Mathematics.

Associate Professor

J. S. R. A. Prasad, Acharya (Navya-Nyaya), Shiksha-Sastry, Ph.D. (Navya-Nyaya, Rashtriya Sanskrit Vidyapeetha, Tirupathi) Philosophical, scientific and linguistic aspects of Ayurveda, Nyaya-Vaiseshika. Other interests include, Indian psychology, Ayurvedic concepts in Sanskrit literature, Science and Technology in ancient India. (**Head of the Department**)

Joint Faculty

K.N. Murthy, Ph. D. (Hyderabad) – Natural Language Processing especially grammars and parsing systems. Tools for language teaching and language learning. Other interests include Yoga, Ayurveda and the Darshanas.

Centre for English Language Studies (CELS)

The Centre for English Language Studies caters to a diverse group of students across disciplines and is emerging as a research and resource centre for language studies. The Centre offers M.Phil. and Ph.D programmes in English Language Studies. English language education and other aspects of English Language, such as linguistics and history of English in India are some focal areas. The Centre is also engaged in the teaching of English at the Centre for Integrated Studies for Integrated Masters students, besides offering need-based courses on Academic Writing, Communication Skills and Technical Writing to students at the postgraduate and research levels.

The research interests of the faculty at the Centre span several areas of language studies and aspects of pedagogy. The faculty of the Centre publish in various areas pertaining to their research interests and are part of ongoing research projects. Presently, the ongoing projects are in the areas of the historiography of English language education in India, materials development and corpus study.

Programmes of Study:

The **M.A.** in English Language Studies in the Centre from the academic year 2017-2018.

Intake: 15

The programme will extend over four semesters and have a minimum of 80 credits (20 courses). Apart from the compulsory courses, the programme will have elective courses which will be offered in the third and fourth semester. Students are encouraged to opt for courses outside the centre as well.

The **M.A.** programme will cover a wide range of areas in the field of English Language studies. It has courses drawn from areas like Linguistics, English Language Teaching,

Sociolinguistics, Pedagogy, etc. The electives offered enable the students to specialize in specific domains like Language teaching, corporate communication, technical writing, editing, etc.

Entrance Examination M.A. : 100 marks

The **M.A.** Entrance Examination will have the following components:

Section A: 25 Marks
Twenty five multiple-choice questions testing English language proficiency.
(Negative marking—0.33 deducted for every wrong answer; no marks deducted for questions not attempted)
Section B: 50 Marks
Multiple-choice questions on basics of Linguistics and ELT, and questions testing analytical ability. (No negative marking)
Section C: 25 Marks   Essay on a general topic.

M. Phil. is a three-semester programme which includes course work of 12 credits and a dissertation. The courses relate to each candidate's area of interest in which the dissertation will be written, and two core areas of study. The programme includes written examinations for the course work. The dissertation is written on a topic approved by the Centre and under the supervision of a faculty member. Scholars are expected to give a pre-submission seminar on their research work. The dissertation is evaluated by both internal and external examiners.

The **Ph.D.** programme normally extends over a minimum period of two years from the date of admission. The programme comprises mandatory course work of 12 credits spread over the first and second semester, geared to individual requirements. Course work components will vary according to whether a candidate has an M.Phil degree or not. Scholars are required to write a dissertation on an approved topic under the supervision of a faculty member. The dissertation is examined by internal and external examiners and is followed by a viva voce. During the period of research, scholars are required to give seminars on their "work in progress" every semester.

Entrance Examinations:

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSECSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

In addition, there is an Oral Test for **25** marks for shortlisted candidates.

Other information:
i) Applicants for admission to the M.Phil programme must submit, along with the application, a brief description (about 500 words) of their proposed topic of research.
ii) Applicants for admission to the Ph.D. programme must submit, along with the application, a brief description (about 1000 words) of their proposed topic of research.

Faculty:

Professors
Pingali Sailaja, Ph.D. (CIEFL, Hyderabad); Phonetics, Phonology, Morphology, Sociolinguistics, World Englishes, Indian English, English Language Education, Testing and Assessment, English in India: Historical, Educational and Linguistic aspects. **(Head of the Centre)**

Sunita Mishra, Ph.D. (CIEFL, Hyderabad); Politics of English Language Education, Sociolinguistics, Discourse Studies, Critical Pedagogy, History of English Language Teaching in India, especially Odisha, and Indian Philosophy of Language

Assistant Professors
Shree Deepa, MA English (Osmania), M.Ed.,
(Bharathidasan University); PGDTE (CIEFL); PhD English (Osmania); English Language and Literature Teaching, Stylistics, Interdisciplinary Studies, Teacher Training.

Jyothi Hymavathi Devi, M.A. English, M.A. Anthropology, M.Sc. Psychology, M.Phil Translation Studies (University of Hyderabad); English Language and Literature Teaching, Translation Studies, Dalit Studies.

Jasti Appa Swami, Ph.D (Osmania); ESP, Academic and Professional Discourse, Genre Analysis, Corpus Applications to Language Pedagogy, Curriculum Design and Materials Development, and Academic Writing.

Joy Anuradha, Ph.D. (CIEFL, Hyderabad); Linguistics, Stylistics, Psycholinguistics, English Language Education.

Centre for Dalit & Adivasi Studies and Translation

The Centre was established in June 2011 with the aim to prepare an atmosphere of National Integrity and emotional binding between the marginalized communities, mainly the Dalits & Adivasis through teaching of language and literature, its research and its translation into Hindi. The translation of literary texts from Indian languages into Hindi and further studies and the research based on them would be giving Hindi an opportunity to fulfill its role as the National Language and the link Language of our country in its true sense.

The Centre gives emphasis on teaching and research and translation of the Dalit and the Adivasi languages and literature, parallelly. Hence, the objective of the Centre is to collect

the oral traditions (memory bank) & performance, arts, paintings and handicrafts of the Dalit & Adivasi culture and life style. There will be field work also. The Centre offers M.Phil and Ph.D. programme in Hindi medium.

Programmes of Study

M.Phil.

The M.Phil. programme is a three-semester programme. In the first semester the students will be offered four courses with 04 credits each, the fourth course being a practical course. In the second semester, the student will write a dissertation on a topic approved by the Centre, under the supervision of a Faculty member. Candidates have to give a pre or post-submission seminar on their research topic.

Ph.D. Programme

The Ph.D. programme normally extends over a minimum period of two years from the date of admission. In the first two semesters the candidate will be offered four courses with 04 credits each, the fourth course being a practical course. After completion of the First semester, the student will be required to write a thesis on an approved topic in the areas of Dalit & Adivasi Studies under the guidance of a faculty member. After submission of the thesis the candidate has to attend an Oral examination.

Entrance Examinations:

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSECSIR JRF exam.

Part B: 40 marks will be on subject concerned.

The Written Test comprises of 20 marks on objective questions on the History of Hindi language and Literature, Indian Dalit & Adivasi Literature and Translation and 20 marks for descriptive questions on proposed area of research and Indian Dalit & Adivasi Literature and Translation.

In addition, there is an Oral Test for **25** marks for shortlisted candidates.

Faculty

R.S. Sarraju (Head I/c of the Centre)

Centre for Endangered Languages and Mother Tongue Studies (CELMTS)

Many tribal and minor speech communities in the world are reported to be abandoning their mother tongues at an alarmingly fast rate. Given the interrelationships and situations of life, it is both crucial and exigent that an effective and sustained efforts are initiated to organize research, revitalization and documentation of the wealth of our ethnic and indigenous languages (along with the cultures) which are the mother tongues of most of the disadvantaged peoples in this country. In fact, Scholars predict that out of approximately 6500 languages spoken in the world today, half of these are at the risk of disappearing by the end of this century. There are 196 endangered languages in India accordingly to the UNESCO report and it is the highest in any single country in the world.

The Centre for Endangered Languages and Mother Tongue Studies (CELMTS) (set up in 2010) of University of Hyderabad is the first Centre established in an educational institution in India for the study of indigenous and ethnic languages.

The Centre has already started research and documentation activities on a number of tribal and ethnic languages which are in process of getting extinct for which it has acquired visibility across the world. The Centre's activities aim at sensitizing the prospective students regarding the importance of conservation of the utterly neglected minor and ethnic languages and cultures which have contributed significantly to the formation and growth of the linguistic and cultural foundations of this country. It has been emphasized by the UNESCO in a number of its documents that conservation of biodiversity crucially depends on the conservation linguistic diversity. Needless to state that linguistic diversity can be conserved only if the native languages and mother tongues are maintained as this will lead to additive multilingualism which India is advocating for ages.

Faculty

Professor
Panchanan Mohanty (Head), Ph.D. in Linguistics (Berhampur University) – Language Endangerment Studies, Language Teaching and Testing, Psycholinguistics, Phonology, Morphology, Language Typology, Computational Linguistics, Quantitative Linguistics, Translatology, Translation Studies, Sociolinguistics.

SCHOOL OF SOCIAL SCIENCES

The School of Social Sciences comprises the following Departments and Centres.

Departments
1. Department of History
2. Department of Political Science
3. Department of Sociology
4. Department of Anthropology
5. Department of Education and Education Technology

Centres
1. Centre for Regional Studies
2. Centre for Folk Culture Studies
3. Centre for Study of Social Exclusion and Inclusive Policy
4. Centre for Study of Indian Diaspora
5. Centre for Knowledge, Culture and Innovation Studies
6. Centre for Human Rights
7. Centre for Ambedkar Studies
8. Centre for Women's Studies

All the Departments (Anthropology History, Political Science and Sociology) have been recognised by the University Grants Commission for the Special Assistance Programme and the Dept. of Political Science as the Centre for Advanced Studies.

An Archival Cell with the support of the UGC is functioning under the auspices of the Department of History for preservation of rare and valuable manuscripts. The Department of Anthropology has developed a Museum as teaching aid for the students.   The Centre for Folk Culture Studies has an Audio Visual Archival containing the Centre's field work, documenting films etc., The Centre for the Study of Indian Diaspora has a special library consisting of historical material (diasporic literature) collected from different parts of India.   All the Departments are equipped with internet facilities.

From the Academic Year 2007-2008 the School of Sciences has started 5-Years Integrated Programme in Social Sciences leading to Masters Degree in History, Political Science, Sociology and Anthropology.   For the first three years the students admitted to the programme do courses offered by various departments in the School and other Schools in the University conducted at the Centre for Integrated Studies   At the end of three years, students are transferred to their parent departments namely, Departments of History, Political Science, Sociology and Anthropology.

Prof. P. Venkata Rao, Department of Anthropology is the **Dean of the School**.

Department of History

The Department of History offers courses leading to **M.A., M.Phi.l and Ph.D.** degrees It also offers 10 courses in history for the first three years of IMA (5-year integrated) programme in Social Sciences. Its teaching programme is designed to provide students with a broad overview of world history narrowing down to focus on the history of India with special emphasis on socio-economic history, science & technology, environment and cultural history.

There is a twofold aim of all research activities in the Department: a) Widening the database in its studies of local and regional history, and   b) introducing an interdisciplinary approach to understand the underlying social and economic realities of the history of India through the ages. The Department has also been involved in guiding research on North- East India, science & technology, environment, medicine, economic history, maritime history, women's history, Indian national movement, peasant and tribal movements, cultural history and contemporary history.

Programmes of Study

The **M.A.** course is a two year programme consisting of 16 courses spread over four semesters, with four courses per semester. The main thrust of the first two semesters is to equip students in certain core compulsory courses in both Indian and non-Indian history. These are designed to be comprehensive and to introduce students into the various interpretative dimensions of understanding the history of human civilization with a focus on India. During semesters III and IV a wide range of special courses as optional are offered by the Department thus providing an opportunity for students to specialize in specific areas of Indian history. Students also have an opportunity to do at least two courses outside the Department during their third and fourth semesters with the aim to encourage inter-disciplinary studies.

 The **M.Phil** course covers three semesters including dissertation, extendable by one semester. During the first semester, three compulsory courses have to be done by the students. The focus is on issues of historical interpretation and method. One of these is an intensive introduction to the problem being researched by the individual student leading in the following semester to the writing of a dissertation under the guidance of a faculty member on an approved topic.

 The **Ph.D** programme is mainly a research programme. Those students admitted directly without M.Phil degree are required to do the course work and pass the examinations conducted by the Department. Students undertake research on an approved topic under the guidance of a faculty member.

Infrastructural Facilities:
 Under the support from the Special Assistance Programme of the UGC, the Department has been able to purchase a large number of books on most of the recent writings on history. Under the UGC Programme of Universities with Potential for Excellence (UPE) the Department procures and strengthens infrastructural facilities. It has also been able to support the subscription of several foreign and Indian journals in the discipline of History. The Archival Cell in the Department contains several private papers of individuals who participated in the freedom movement. The Department has an archaeological museum containing antiquities representing artifacts from stone ages to late medieval period.

The Department of History has a Computer Laboratory with 12 computers and a printer. All the students of the department may use the lab with free internet access.

Entrance Examination:

M A (History): The entrance examination will be of 100 marks. Part A will consist of 60 multiple choice questions of one mark each. Part B will have two Essay type question of 20 marks each. Students will be tested on their knowledge of Indian history and World history.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned (consist of questions on Indian History)

In addition, there is an Oral Test for **25** marks for shortlisted candidates.

FACULTY:

Professors
Aloka Parasher Sen: Ph.D. (London) - Ancient and Early Medieval Indian History, Socio Economic History of the Deccan, Women's History, Historical Archaeology, Urban History & Historiography.(**Director,InternationalAffairs**)

R L Hangloo: Ph.D. (JNU, Delhi)- Medieval Indian History with special reference to Medieval Indian State, Medieval Indian Economy and Technology, History of Kashmir and Central Asia (**currently on deputation)**.

Atlury Murali: Ph.D. (JNU, Delhi)- Social and Cultural History of Colonial India with special reference to Freedom Struggle, Peasant Movements, Women's Studies, Environmental Studies and History of Computers, Science Technology and Medicine.

K P Rao : Ph.D. (Nagpur) - Field Archaeology, Pre and Proto History, Ancient Indian History, Iron Age, Megalithic Culture and Ancient Trade (O**n Sabbatical leave**).

Rekha Pande: Ph.D. (Allahabad)- Medieval Indian History, Women's History, Cultural History, History of Medieval Science & Technology, Socio and Religious History, Women's Studies.

Rila Mukherjee: Ph.D. (Paris) - Economic History of South Asia, Early Modern European History, Democracy and Citizenship Studies, Maritime and Oceanic History, Historical Cartography (Currently on leave).

Sanjay Subodh: Ph.D. (Chandigarh) – Medieval Indian Historiography, Science and Technology, Medieval Archaeology **(Head of the Department and Director, College for Integrated Studies).**

Associate Professors

Y Swarupa R Shankar: Ph.D. (Hyderabad - Modern Indian History, Social and Cultural History of South India, Women's History, Historiography.

Anindita Mukhopadhyay: Ph.D. (London) - Modern Indian History, Modern Western Ideas and their impact, Law and Society, Society and Culture.

Bhangya Bhukya: Ph.D. (Warwick, UK) - Modern Indian History. His research interests are community histories, the effects of power/knowledge, governmentality and dominance, the state and Nationalism, intellectual histories of subaltern communities, identity politics by forest and hill people in the nineteenth and twentieth century.

B Eswara Rao: Ph.D (IIT Madras)- History of science, Technology and Medicine, Environmental History.

Assistant Professors

M N Rajesh: Ph.D. (JNU, Delhi) - Medieval Indian History, Socio- Religious Movements and Polity in South India and the Deccan, Tibetan History and Culture.

V Rajagopal: Ph.D. (Wisconsin) – Modern Indian History, Social History, History of South India.

Rashmi: Ph.D. (JNU, Delhi) - Medieval and Early Modern Indian History, Urban History, Cities and Maritime History**.**

V J Varghese: Ph.D. (Hyderabad) - Modern Indian History, Modern Kerala, Making of Modern Subjectivities, Regional Modernities, Transnational Migrations.

Department of Political Science

The Department of Political Science is recognized as a Centre of Advanced Studies by the UGC. The Department completed UGC-Special Assistance Programme (DSA-III) on the thrust area- Globalization, State, Civil Society and Governance Interface. Started in 1979, the Department now has 22 Faculty and has approximately 300 students. The Department offers courses leading to I. M. A., M. A., M.Phil. and Ph. D. degrees.

Programmes of Study
The M.A. programme in Political Science consists of 16 courses (8 core courses and 8 optional courses) spread evenly over four semesters. Each course carries four credits. In formulating the programme, the Department is guided by the consideration that at the post

graduate level, students should be familiar with all the sub-disciplines, trends, approaches, and paradigms of Political Science. With this in view, the Department offers core courses on Political Thought, Comparative Politics, International Relations, Indian Political Process, Public Administration and Public Policy. These courses attempt to acquaint students with the latest theoretical and political trends. The curriculum is regularly changed so as to be contemporaneous, relevant, innovative and useful. After completing 8 core courses in the first two semesters, students are required to choose 8 optional courses, four each in the third and fourth semesters. These not only supplement the courses that they did in the core areas but also offer students opportunities to study frontier areas like Dalit Politics, Women's Movements, Governance, Policy Studies, Indian Political Thought, India's Foreign Policy and Globalization. Students can also opt for two courses offered by other departments as optional in the second year.

The M.Phil. Programme is for three semesters. Students are required to devote the first semester to course work which consists of two courses in Research Methodology and one course in the field of student's research interest (directed by the Supervisor). Each course carries four credits. In the following semesters, students are required to present their research proposals and write a dissertation on an approved topic under the supervision of a faculty member. All M.Phil students are required to defend their theses in a pre-submission seminar and viva-voce.

The Ph.D. programme is for 6 years. Students are required to write a thesis on a topic approved by the Department. Students will work with their supervisors and doctoral committees in researching and writing the theses. Each semester, they must secure a satisfactory report from the doctoral committee to register. They will be required to present and defend their research proposals in a research seminar organized by the Department. Doctoral students are encouraged to present their work-in-progress at least once during their tenure in the Department. All Ph. D. students are required to defend their theses in a pre-submission seminar and viva-voce. Students who do not have an M. Phil degree with course work on research methodology will have to do the course work as part of their Ph. D. programme.

Entrance Examination
M.A.: The written test for admission to M.A. Political Science consists of 100 questions of multiple choice questions (1 mark each) that test the general knowledge, subject specific knowledge, and passage comprehension abilities of the candidate. The candidate must answer in the OMR sheet.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

- **M.Phil.** and **Ph.D.** will have questions from 5 different areas of Political Science, namely Political Theory, International Relations, Comparative Politics, Indian Government and Politics, and Public Policy/Public Administration. In this section, candidates are expected to answer 1 out of 5 questions. This is followed by an interview which aims to assess the knowledge of students in their areas of research interest, based on their research proposals, which must be **submitted to the interview board at the time of the interview.** The topic of research, hypotheses/research questions, goals or objectives of the study, statement of the problem and methods should be clearly written in the proposal. This is an essential requirement to interview the candidates for selection.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

Note:
- Candidates for the Ph. D. programme are required to submit a research proposal at the time of interview. The topic of research, hypotheses/ research questions, goals or objectives of the study, statement of the problem and methods should be clearly written in the proposal. This is an essential requirement to interview the candidates for selection.
- Please also see the section on the general criteria for admission to the regular Ph.D programme for other details.

Faculty
Professors
Prakash C. Sarangi, Ph.D. (Rochester) – Political Theory, Comparative Politics. (On EOL till 30.06.2017)
I. Ramabrahmam, Ph.D. (Hyderabad) – Public Policy, Governance, Higher Education and Training.
Arun Kumar Patnaik, Ph.D. (JNU) – Political Theory, Political Economy of Development.
Jyotirmaya Sharma, M.A.(Hull) – Political Philosophy/Theory, Indian Political Thought.
K.C. Suri, Ph.D. (JNU) – Indian Political Process and Public Policy
Vasanthi Srinivasan, Ph.D. (Ottawa) – Political Philosophy, Comparative Politics, Indian Political Ideas **(Head of Department).**
Sanjay Palshikar, Ph.D. (Poona) - Political Theory, Indian Political Process.
Prithvi Ram Mudiam, Ph.D. (London) – International Relations, Indian Foreign Policy, South Asian Politics, International Political Economy.
Manjari Katju, Ph.D. (London) – Indian Political Process, Politics of Hindu Nationalism, Women's Studies. (On EOL till 30.06.2018)
Kham Khan Suan Hausing, Ph.D. (JNU) Federalism, Nationalism, Ethnic Conflict, Indian Politics, Northeast India.

Associate Professors
B. Chandrasekhara Rao, M.A. (Andhra) - Comparative Government and Politics, Indian Government and Politics, Chinese Studies, Dalit Politics.

K.Y. Ratnam, Ph.D. (JNU) – Indian Political Process, Dalit Politics in India, Democratic Process in Andhra Pradesh.

R. Ramdas, Ph.D. (JNU) – Indian Political Process, Tribal Development, Comparative Politics.

Venkatesu. E., Ph.D. (University of Hyderabad) – Democratic Decentralization and Governance, Good governance, Public Policy, Backward Class Politics and Political Process in India.

K. K.Kailash, Ph.D. (JNU) – Indian Political Process, Comparative Federalism, Party Politics.

Assistant Professors

Biju. B.L., Ph.D. (University of Kerala) – Political Theory, Indian Political Process, Politics of Globalization, Society and Politics in Kerala.

Shaji. S., Ph.D. (University of Hyderabad) – International Relations, Foreign Policy of India, Foreign Policies of Developing States, Transfer of Technology and International Politics.

Aparna Devare, Ph.D. (American University, Washington D.C.) - Comparative Politics, Historiography, Indian Politics, International Relations Theory, Post- colonial Theory, World Politics.

Dr Veera Babu, Ph.D (Osmania University, Hyderabad)—Public Policy

Department of Sociology

The Department, started in the year 1979, has grown over the years to be one of the important centres of sociology teaching and research in the country. While emphasizing topics and themes central to the discipline, the Department's teaching and research activities have been oriented towards contemporary questions that have both basic and applied dimensions. The academic activities of the Department have a unique disciplinary and interdisciplinary orientation, designed to guide and support student development as independent learners as well as to inspire them to critically engage with policies, issues, and social action. The Department has had a Special Assistance Programme supported by U.G.C. for the last 20 years starting from 1995. The current phase of the Programme is DSA Phase II in the thrust area: Development and Challenges in the context of globalizing world. The learning ambience of the department is both informal and rigorous, being geared towards promoting a critical spirit of inquiry among students. The structure and content of our courses are meant to give a grounding that not only prepares students for future studies in sociology/social science, but also offers the benefits of learning to work in a constructive way in other areas of life.

Programmes of Study

Three programmes of study are offered leading to the **M.A., M.Phil. and Ph.D**. degrees in Sociology. The Department also participates in the Five Year Integrated Master's Programme in Social Sciences by offering a variety of courses at the Centre for Integrated Studies. At the end of three years, students in the Integrated Master's Programme have the option to join the Department with the regular M.A. students, subject to some conditions. The courses offered by the Department under the auspices of the Integrated Master's programme are the following: Introduction to Study of Society; Changing Indian Family; Equality and Inequality; Caste in Modern India; Rural and Urban Societies; Roots of Social Protest; Contemporary Development Issues; Religion and Society; Introduction to Social Research; and Work and Organizations.

The M.A. Programme in Sociology is a four-semester programme spread over two years, and consists of ten compulsory courses and six optional courses. Both the compulsory and optional courses are of four credits each. Students are allowed to take up to three of the six optional courses from other departments, subject to the permission of the Head of the Department.

The Compulsory Courses for **M.A.** are the following : Classical Sociological Theory; Research Methods I - Survey Research and Basic Statistics; Society in India: Approaches; Society in India: Contemporary Issues; Knowing the Social World; Modern Sociological Theory; Research Methods II - Qualitative Research Methods; Social Stratification; Sociology of Development; and Political Sociology.

Some of the following Optional Courses for **M.A.** are: Environmental Sociology; Indian Diaspora; Sociology of Gender; Sociology of Health, Sickness and Healing; Rural Society and Agrarian Change; Sociology of Backward Classes; Religion, Law and State; People, Nation and State; Law, State and Society; Industrial Relations and Contemporary Capitalism; Science, Culture and Society; Technology, Culture and Society; Sociology of Communication; Sociology of Organizations; Sociology of Culture; Modernity and Modernization; Decentralized Governance and Development; Social Theories, Modernities & Politics of Geography; Society and Sexuality. The Department will announce which of these optional courses will be offered every semester. The contents of most of these courses are available on the University Website.

The **M.Phil**. Programme is a preliminary research degree. The M.Phil. Programme is a preliminary research degree course of three-semester duration. The course work during the first semester consists of two compulsory courses in Advanced Sociological Theories and Research Methodology, and one Optional Course in the broad area of research in which the dissertation is planned. The M.Phil dissertation is expected to be completed by the end of the second semester. The entrance examination will be held in English.

The **Ph.D.** Programme is a full- time research programme covering a minimum of three years. Those Ph.D. students who have not done M.Phil coursework will have to do the coursework in Sociological Theories, Research Methodology and one Optional Course in the broad area of research in which the dissertation is planned. The examination pattern of Ph.D. course includes thesis evaluation and an open house Viva Voce examination. The progress of the research candidate is monitored by a Doctoral Committee convened and authorized by the respective supervisors. The entrance examination will be held in English.

Entrance Examination

The **M.A.** entrance examination will be based on OMR. The components of entrance examination question paper will be Comprehension 30 marks; Arithmetic & Reasoning 25 marks; Literary Passage 20 marks; and Current Affairs 25 marks.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks, will be on Research Methodology, broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

The qualified candidates will have to appear in the interview. Candidates have to bring a written research proposal for the interview and answer questions on theory, methodology and area of proposed research interest.

Admitted Ph.D. candidates may be required to undertake course work, if recommended by the Department. The candidates seeking admission to the Ph.D. programme must submit with their application, an outline of their research proposal bringing out specific theoretical and methodological approaches to be employed.

Professors

Sasheej Hegde, Ph.D. (Bangalore) – Philosophy of Social Science, Social and Political Theory, Law and Ethics, and Indian Sociology/Historiography.

Sujata Patel, Ph.D. (J.N.U.) – Social Theory, Urban Sociology, and Political Sociology.

Aparna Rayaprol, Ph.D. (Pittsburgh) – Sociology of Gender, Indian Diaspora, Urban Sociology, and Qualitative Research Methods. **(Head of the Department)**

N. Purendra Prasad, Ph.D. (Hyderabad) – Agrarian Studies, Sociological Theory, Political Economy of Development and Health, Urban Studies..

Associate Professors

C. Raghava Reddy, Ph.D. (Hyderabad) – Science and Technology Studies, Sociology of Organisations, and Sociology of Disability.

Nagaraju Gundimeda, Ph.D. (Hyderabad) – Sociology of Education, and Information Technology and Society.

Pushpesh Kumar, Ph.D. (Delhi) – Sociology of Gender and Sexuality, & Globalisation and Social Change.

Assistant Professors

V. Janardhan, Ph.D. (Hyderabad) – Sociology of Industrial Relations, Corporate Business and Society, Sociology of Culture, Sociological Theory, Marxism and Capitalism, and Ethics and Society.

Satyapriya Rout, Ph.D. (Mysore) – Sociology of Environment, Natural Resource Management and Development, and Decentralized Governance.

N. Annavaram, M.Phil. (J.N.U.) – Indian Sociology and Classical Sociological Thought.

Hoineilhing Sitlhou, Ph.D. (J.N.U.) – Religion, Culture and Tribal Studies.

Nagalakshmi Chelluri, Ph.D. (Hyderabad) – Sociology of Organisations, Sociology of Science and Technology.

R. Thirunavukkarasu, Ph.D. (J.N.U.) – Political and Historical Sociology, Social Movements, Ethnicity, Nation and Nationalism.

Department of Anthropology

The Department of Anthropology started functioning from the academic year 1988-89. Over the years the department earned reputation as one of the best departments in the country particularly for the faculty publications, extra mural research grants and academic outreach, besides the number of students qualifying in the NET and for research fellowships by UGC, ICMR, ICSSR and other bodies. The UGC has awarded Special Assistance Programme (SAP) first in the year 2011-12 and the Expert Committee of UGC has also recommended for the 2nd phase recently. It imparts training both in theoretical and applied research in Anthropology, which equips students to meet the academic challenges in urban/ rural/tribal field studies. Apart from studying ethnographic diversity, the department is oriented towards application of anthropological knowledge to the understanding of social problems and development issues. The department has developed a small museum as a teaching aid for students. Practical training is imparted in Physical and Archaeological anthropology courses.

Programmes of study:

The Department offers **M.A., M.Phil**. and **Ph.D.** programmes in Anthropology (Social/Cultural), besides participating in the IMA (Social Sciences) programme and M.P.H. programme under the School of Medical Sciences. The **M.A.** course is a two-year programme and comprises of different courses under the pattern of Choice Based Credit System (CBCS) that has been adopted by the University as per the recommendations of the University Grants Commission (UGC), India. The total credit requirement for M.A is 80 credits of which the department offers 28 credits under 'Foundation Courses', 16 credits under 'Core Electives', and 16 credits under 'Departmental Electives'. The 16 credits under 'Departmental electives' can be earned by choosing any four courses of 4 credits each out of the 12 different courses that the department may offer during the 3rd and 4th semesters of M.A programme. The courses under 'Departmental electives' include: Development Anthropology, Ecological Anthropology, Medical Anthropology, Peasant Society, Economic Anthropology, Anthropology of Communication, Anthropological Linguistics, Natural Resource Management and Livelihood Systems, Kinship and Marriage, Anthropology of Religion, and Business Anthropology. The students can however opt to do more than the required credits under the 'Audited courses', for which the students will be given certificates separately by the Head of the Department. The detailed course outlines of the different courses offered by the Department are available in the University website.

The Department offers seven courses including one compulsory course in the 2nd semester in the IMA (Social Sciences) students. These courses are: 1. Introduction to Anthropology (2nd semester); Indian Civilization (3rd semester); Anthropology of Marginalized Communities (4th semester); Anthropological Understanding of Society and Culture (5th semester); Prehistoric cultures (5th semester); Anthropological Fieldwork (6th semester); and Approaches to Socio-cultural Change (6th semester).

The **M. Phil** programme is for three semesters. The first semester is devoted for course work consisting of two compulsory courses of 4 credits each, viz., 1) Advanced Anthropological Theories and 2) Advanced Research Methods, and one optional course of 4 credits, generally in the broad area of research on which the dissertation is planned. The second (and third semester, if required) is devoted for preparation and submission of M. Phil Dissertation. The **Ph.D.** is a full-fledged research programme on an approved research topic for a minimum period of two years. Students who are admitted to Ph. D programme directly (i.e., without an M. Phil in Anthropology) are also required to do the course work prescribed for the M. Phil programme.

Faculty and the areas of research interest:

Professors

K.K. Misra, Ph.D. (Utkal) Culture, Environment and Development, Anthropological Thought; Language, Culture and Cognition; Anthropology and Museums; Culture and Gender (Currently on leave and works as Vice Chancellor, Utkal University of Culture, Bhubaneswar, Odisha**)**

P. Venkata Rao, Ph.D.(Andhra) Anthropology of Development, Economic Anthropology, Tribal Studies, Complex Societies, and Ageing. (Dean, School of Social Sciences)

N. Sudhakar Rao, Ph.D (Rochester) South Asian Social Systems, Kinship Studies, Indian Society and Ideology, Religion and Communication.

R. Siva Prasad, Ph.D. (Mysore, through ISEC, Bangalore) Social Stratification, Social Mobility and Social Change; Urban Anthropology; Ecology and Environment, Peasant studies, Anthropology of Development, Anthropological Theory. (I/C Head, Department of Education, School of Social Sciences)

B.V. Sharma, Ph.D. (Hyderabad) Medical Anthropology; Anthropology of Education; Community participation in Development. **(Head of the Department)**

M. Romesh Singh, Ph.D. (Hyderabad) Business Anthropology; Tribal Development Studies.

Associate Professors

George Tharakan C, Ph.D. (Hyderabad) Kinship Studies; Theories of Culture; Indian Society.

Assistant Professors

Shaik Abdul Munaf, M.Sc. (SVU) Archaeological Anthropology, Ethnoarchaeology, Indian Prehistory.

Entrance Examination

M.A. entrance will consist of 100 objective type questions of one mark each to be answered in OMR sheet. The pattern of questions will be: a) General Studies / Knowledge, b) Social Science Aptitude, c) Language and Communication skills, d) Comprehension and e) Test of Reasoning. The Part-A of the question paper will have 25 questions of one mark each and a negative mark of 0.33 for every wrong answer. The Part – B will have 75 questions of one mark each and negative mark of 0.33 for every wrong answer. The marks scored in the Section – A will only be considered in case of any tie.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

Centre for Regional Studies

The Centre for Regional Studies conducts multi-disciplinary research in the Deccan and other regions of India. The envisaged research programmes encompass ecological and environmental studies; socio economic history, regional historical processes; regional social structure; regional economics, development studies and violent conflicts.

The Centre for Regional Studies offers **M. Phil and Ph.D**. programmes in the broad areas of research outlined above. The entrance test (written) for admission to M.Phil and Ph.D. programmes consists of two parts. **Part-A** of the question paper consists of objective type questions to test the aptitude of the candidates to pursue research in the Centre. **Part-B** consists of a single paper with essay questions drawn from the Social Sciences of the post-graduate level. (Please note that in Part-B; there will NOT be separate Question papers in the disciplines of Anthropology, Economics, Geography, History, Political Sciences and Sociology in the Entrance Exam). In their answers students are expected to demonstrate an understanding of multidisciplinary and / or regional studies.

The qualifying marks are 50% in the entrance test for **M.Phil and Ph.D**. Qualified candidates will have to appear in the interview. Candidates have to bring a written research proposal for the interview and answer questions on theory, methodology and area of proposed research interest. Ph.D. candidates will be interviewed on the general area of specialization proposed

by the student and their M.Phil work if applicable. Course work (three courses) is compulsory for all M.Phil and Ph.D students joining the Centre.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

Faculty
Professor
Sheela Prasad, Ph.D. (JNU) – Urban and Regional Geography, Health, Environmental studies (Head of the Centre)

Associate Professor
Arvind S. Susarla, Ph.D. (Clark University)- Geography of Hazards and Disasters, Environmental Studies, Communicating Risks

Assistant Professor
Salah P., Ph.D. (JNU)- Sociology of Violence, Region and Collective Identities, Marginalized Communities

Centre for Folk Culture Studies

The Centre for Folk Culture Studies is the first of its kind in the Central University system in India and was established with the assistance of the Ford Foundation, USA. The Centre's interdisciplinary and multi-perspectival approaches emphasize research and teaching in Folk Culture Studies in the milieu of contemporary ethnographic fieldwork. To decode and explain the folk expressive forms, the Centre is adopting a research strategy that combines the methodological procedures and theoretical approaches of both humanities and social sciences. The main objectives of the Centre are: to study diverse aspects of folk expressive behaviour as a dialogue between human groups and their physical and social environments; to analyse culture in relation to various aspects of human creativity such as Science, Technology, Art, Religion, Literature etc; to document and utilize folklore genres and folk lifestyles of various cultural landscapes in order to cognate the native knowledge systems for sustainable development.

Programmes of Study: Ph.D.

Entrance Examination:

Ph.D.

The question paper of Ph.D. shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks, will be on Research Methodology, broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

Faculty

Professor

Y.A.Sudhakar Reddy, Ph.D. (I.I.T., Madras) – Folklore and Folk Culture Studies, Performance Studies, Hermeneutics, Narratalogy, Peasant Studies and Oral History. **(Head of the Centre)**

Associate Professors

P.S. Kanaka Durga, Ph.D. (Nagarjuna University) - Folklife Studies, Folklore and Gender Studies, Religion and Mythology, Ethnohistory and Epigraphy.

Joly Puthussery, Ph.D. (Hyderabad) – Folk Theatre, Performance Theory, Public Performance and Discourse, Religion and Theatrical Practices, and Material Culture.

Assistant Professor

N. Naveen Kumar, M.S.W. (Bharathiar University), M.A. (Annamalai University) - Folklore and Community Development, Folklore and Globalisation, Ritual Studies, and Field Methodology.

Centre for the Study of Social Exclusion and Inclusive Policy (CSSEIP)

The Centre for the study of Social Exclusion and Inclusive Policy is one of the few Centers set up in the country, being fully funded by the UGC with Faculty positions and Nonteaching staff. It was established in May 2007. Based on the recently originated concept the Centers

have been established for undertaking comprehensive studies and research into the Social Exclusion as a complex and multidimensional concept having social, cultural, political and economic ramifications. The Centre focuses on exploring the processes that produce Social Exclusion. The studies on historical processes of exclusion and the methodological aspects have been the mainstay of the Centre. This new concept encompasses all forms of discrimination which operate in covert and overt manner on caste, gender, ethnicity, religious and linguistics minorities and other excluded groups such as disabled etc. The Centre, through its research programmes, strives to intervene in policy processes to mitigate the problems of social exclusion and help building the democratic processes. The centre has the following objectives:-

a.   To understand dynamics of discrimination and exclusion.
b.   To focus on multidisciplinary approach to analyse the processes of exclusion.
c.   To work on theoretical and empirical dimensions of exclusion.
d.   To help with the critical inputs into the inclusive policy processes.

Programmes of Study:

The Centre has adopted multi-disciplinary approach. It offers M. Phil and Ph.D. programmes in the broad areas of research outlined in the objectives.

Prospects for Employment:
a.   Academic and research institutions with multi disciplinary orientations.
b.   Non- governmental agencies and consultancies in development sector.
c.   Avenues in policy spaces.
d.   Journalism- Print and Electronic

Entrance Examination

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks,will be on Research Methodology and broadly will be as follows :

Research Methodology : "*The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

The entrance test (Written) for admission to these programmes consist of two parts.

Courses offered by the Centre:

S.No	Course No.	Course Title	No. of Credits
1	SI-701	Processes of Exclusion and Social groups	4
2	SI -702	Social Exclusion : Theoretical perspectives	4
3	SI -703	Research Methods	4
4	SI-704	Study Area	4

Faculty:
Professor

Ajailiu Niumai, Ph.D. (J.N.U, New Delhi) - Gender, Non-Governmental Organizations (NGOs) and Development, North East Studies, Diaspora and Philanthropy.

Associate Professors
Sreepati Ramudu, Ph.D. (Jamia Milia Islamia University, New Delhi) - Dalit Studies, Caste, Public Policy, Child Labour and Social Movements.

Assistant Professors
J. Rani Ratna Prabha, Ph.D. (University of Hyderabad) -Child Labour & education, Health, Poverty, Gender and Economics of Exclusion.

V. Srinivasa Rao, Ph.D. (University of Hyderabad) - Tribal Studies, Adivasi rights and exclusion, Community Participation in education, natural farming and inclusion.

Centre for the Study of Indian Diaspora

About the centre

The Centre for the Study of Indian Diaspora was established under the Area Studies Programme of the U.G.C. in 1996 to carry out interdisciplinary research on overseas Indians who today constitutes more than 25 million spread over hundred countries around the world. The Centre envisages research on the historical context of the Indian Diaspora, civilizational heritage of diasporic communities, continuities and transformation in culture, economy and political life, besides promoting communication and linkages between India and the Indian diaspora.

Objectives
The Centre through its special programme addresses the following issues in the study of Indian diaspora:
•   The process of emigration, settlement and identity formation in host societies.
•   Ethnicity of Indian diasporic communities in relation to the changing power structures, under which ethnic identity is an integrating or divisive force.
•   Transnational networks and linkages between India and the Indian diaspora, and between diasporic communities.
•   Indian diaspora in relation to the on-going struggles for identity at the national and global level, and in relation to increasing ethnic consciousness in India.

- Comparative studies of creative writings on the Indian diaspora by the Indian writers, diasporic Indian writers and non-Indian writers. Research into the new cultural forms of the Indian diaspora, including popular culture.
- Micro-level ethnographic studies on the Indian diaspora.
- Contributions of the Indian diaspora to the scientific, technological, administrative and industrial development in host societies.

Programme of study

The Centre offers interdisciplinary courses on Indian Diaspora at the M.A. level besides M.Phil and Ph.D. programmes on Indian diaspora.

Entrance Examination

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

Visiting Fellowships
The Centre offers two to three Visiting Fellowships to national and international scholars each year to carry out specific research or to finalize their Reports/Monographs at the Centre for a period ranging between one to six months. As part of the fellowship, the Centre provides travel support within India and hospitality at the University of Hyderabad. Application for Visiting Fellowships should include a 2page description of work to be carried out during the fellowship period, a detailed CV, and recent published papers in the relevant area. Application Deadline: Twice a year - June 30 & December 31.

Faculty

Prof. P. Venkata Rao, Dean, School of Social Sciences
(Head of the Centre)

Assistant Professors

Dr. Ajaya Kumar Sahoo, Ph.D. (Hyderabad) -
International Migration, Indian Diaspora, Transnationalism, Sociology of Religion, and Social Movements

Dr. Amit Kumar Mishra, Ph.D. (New Delhi) - South Asian Diaspora, Nationalism and Transnationalism, Identity, Multiculturalism, Imperialism and the Anti-imperial Movements in Asia and Africa

Centre for Knowledge, Culture and Innovation Studies

The Centre was established in 2009 with the objective of encouraging interdisciplinary research in the area of science, technology and society interface. The Centre focuses on the following areas of research: understanding the dynamics of knowledge production; critical examination of application of knowledge, social, economic, historical, cultural and ethical dimensions of innovation process; understanding the shaping and effects of science, technology and society. Challenges such as climate change, poverty and democratization of science and technology remain in important concerns of research in the centre. Policy, regulatory and ethical issues with relation to science and technological applications such as biotechnology, nanotechnology, and information and communication technology are also the key concerns of research in the centre. Students interested in pursuing research in these areas of interface between science, technology and society are encouraged to apply for the Ph.D. Programme.

There will be no admission in Ph.D. in Science, Technology and Society Studies for the academic year 2017-18.

Faculty (Joint)
Prof. Prajit Kumar Basu, Ph.D. (IISc, Bangalore), Ph.D. (Iowa) – History and Philosophy of Science (Department of Philosophy)

Prof. J. Manohar Rao, Ph.D. (JNU) – Economics of Science, Technology and Technical Change and Micro-Economic Theory (Department of Economics)

Dr. C. Raghava Reddy, Ph.D. (Hyderabad) – Sociology of Science and Technology and Sociology of disability
(Department of Sociology) [**Head of the Centre**]

Centre for Human Rights

The Centre for Human Rights was formally established in the year 2007. Prior to that there was a Human Rights Programme within the Department of Political Science for which the UGC has sanctioned funds under Special Assistance Programme (SAP) in Human Rights. Under the Human Rights Programme a Bi-annual journal "Indian Journal of Human Rights" is being brought out since 1977. Post Graduate Diploma in Human Rights is being offered through distance mode. After the establishment of Centre for Human Rights, a number of seminars/ conferences / symposia have been organized on different aspects of Human Rights.

In recognition of Contribution to human rights education, the UGC has recognized the Centre for Human Rights as a Nodal Centre of Excellence in Human Rights Education with effect from the year 2012-13. The main objective of Centre for Human Rights is to undertake research and teaching programmes in Human Rights. Centre also conducts seminars and debates on current issues and theoretical perspectives of Human Rights. The Centre offers

four optional courses for Post- graduate students of the University on interdisciplinary basis. These four courses are (1) Critical Concepts of Human Rights (2) Human Rights in India: The Constitutional and Legal Framework (3) Human Rights in India: The Socio-Economic Context and (4) Dalit Human Rights. These courses are offered subject to the availability of the teachers.

Centre offers optional Course: **Introduction to Human Rights** (for IMA Students)

From the year 2010-11, the Centre is offering Ph.D. Programme in Human Rights.

The **Ph.D.** programme consists mainly of a research project (and course work if required) and a thesis on a topic approved by the Centre. The thesis should be of a high standard and considered to be a valuable contribution to the area of study concerned. Candidates for the Ph.D. programme are required to submit a research proposal for the intended Ph.D. thesis along with the application for admission. The research proposal should contain hypothesis, goals or objectives, statement of the problem and methods of executing the proposal. This is an essential requirement.

Entrance Examination

Ph.D.

The question paper of Ph.D. course shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

The written examination for Ph.D. will consist of essay type questions. The candidate has to attempt three questions out of a total of six questions. The questions will be covering broad areas of theory and practice of human rights in India and at the global level. The written examination will be for 80 marks. The remaining 20 marks will be for viva voce examination.

Faculty
B. Chandrasekhar Rao, M.A. (Andhra University), (Dip. in Strategic Studies) – Dalit Politics, Comparative Government and politics, Indian Government and Politics, Chinese Studies (Department of Political Science) (**Head of the Centre)**

Joint Faculty

G. Sudarshanam, Ph.D (Kakatiya University) – Rural Development, Organization Theory (Department of Political Science)

K.Y. Ratnam, Ph.D. (JNU) – Indian Politics, Dalit Politics in India, Democratic Process in A.P. (Department of Political Science)

M. N. Rajesh, Ph.D. (JNU) – Medieval Societies, Cartography in Medieval India

Centre for Women's Studies

The Centre for Women's Studies (CWS), at the University of Hyderabad is an interdisciplinary Centre collaborating with faculty from different disciplines. The University of Hyderabad had a Women's Studies Cell established in 1984 alternatively located in the School of Social Sciences and School of Humanities. This Cell was upgraded to a Centre in June 2007. It was a stand-alone Centre until it was affiliated to the School of Social Sciences in March, 2014 as a statutory Centre of the University.

Aims and Objectives:

To
* Actively coordinate courses on gender and women in different departments, and introduce fresh areas of gender research.
* Build a systematic database on gender issues.
* Work towards a Master's Programme in Gender Studies.
* Mainstream gender issues in teaching and research.

Programmes of Study

The Centre offers a Ph.D. programme in Gender Studies. The eligibility criteria for admission into Ph.D. Programme in Gender Studies are P.G. degree with 55 % marks in any discipline in Social Sciences and Humanities or a Master's degree with 55 % marks in Women's/Gender Studies.

Entrance Examination

The entrance examination for admission into Ph.D. programme in Gender Studies evaluates the candidates on the basis of their understanding of gender studies, their knowledge in the domain, their research aptitude and analytical and writing skills.

Ph.D.

The question paper of Ph.D. course shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

Candidates who are selected on the basis of the written examination will have to appear for an interview. A research proposal has to be submitted at the time of the Interview.

Ph.D. scholars will have to do four courses of four credits each over two semesters.

Areas of Research

Feminist theory, Dalit and subaltern movements, Feminist research methodology, Culture, Media, New Literature in English, Representation and sexuality among other important areas of study.

Core Faculty

K. Suneetha Rani, Ph.D. (Hyderabad) – Gender Studies, New Literatures in English, Cultural Studies, Comparative Studies, Translation Studies.

Deepa Sreenivas, Ph.D. (EFLU, Hyderabad) – Cultural Studies, Critical Pedagogy, Popular Culture, Historiography, Childhood Studies **(Head of the Centre)**

Centre for Ambedkar Studies

The Centre for Ambedkar Studies established by the Executive Committee Order of the University of Hyderabad under the School of Social Sciences intends to explore in depth the multiple dimensions of Ambedkar's thoughts   and give it its legitimate place within the academic curriculum of Social/Human Sciences. The central object of the Centre is to have a strong research program and integration of those research activities into the graduate and post-graduate curriculum with innovative teaching methods.
 New courses on Ambedkar thought would be designed on various branches of knowledge:
on economic thought; political thought; law and constitution; economic development.
   • Methodology courses relating Ambedkar philosophy and economic thought and development

Presently, Centre is offering an interdisciplinary course on **"Introduction to Ambedkar Thought"** for Postgraduate students.

The Centre has the scheme of Epoch Making Social Thinkers of India under the XII Plan period UGC, New Delhi

Dr. K.Y. Rathnam, Ph.D (JNU)
Associate Professor, Department of Political Science **(Head of the Centre)**

Department of Education and Educational Technology

The new Department of Education and Educational Technology, sanctioned by the UGC, has got the Letter of Intent for grant of recommendation / permission for offering Master of Education (M.Ed.) programme (two-years) from the National Council for Teachers Education (NCTE). We are in the process of fulfilling the other requirements in a couple of months for the grant of Formal Recognition.

The new department is proposed to incorporate all elements of Educational Studies, from knowledge production to the preparation and of teachers and teacher educators, to help improve the quality of school and higher education in the country. The department of Education and Educational Technology attempts bridge the gap between the pedagogy and curriculum and between the school and higher education institutions.

The department proposes to focus on different areas relating to Curriculum and Pedagogy Studies, Teacher Education, Philosophy of education, Anthropology of Education, Psychology of Education, Sociology of Education, History of education, etc. The department also would attempt to undertake In-service Training of Teachers. The department will undertake research in the area of education taking into consideration the learners' perspective and using of technology in reaching education to all sections of the population.

Programme of Study

The Department offers Two-Year M.Ed. Programme with an intake of 50 (Fifty) students from the 2017-2018 Academic year (conditional to getting the Formal Recognition from NCTE. Presently the University has got the letter of content and is in process of getting recognition soon. The course shall be offered subject to University getting approval from NCTE.

Eligibility Criteria of the Candidates:

The candidates seeking admission to the M.Ed. programme should have obtained 50% marks or equivalent grade in the programmes given hereunder:

1. B.Ed.; 2. B.A. B.Ed., B.Sc. B.Ed.; 3. B.El.Ed; and 4. D.El.Ed. with an undergraduate degree (with 50% marks in each).

School of Economics

The Department of Economics which was established and started functioning from 1979, has been elevated to School of Economics and started functioning from 18.10.2012. The School offers programmes of study leading to M.A., M.Phil. and Ph.D. degrees. The School is offering a new programme of study leading to M.A. in Financial Economics from the academic year 2017-18. The School also participates in 5-Year Integrated M.A. programme in Social Sciences. The School offers well-balanced courses of study at all levels incorporating Economic Theory, Quantitative Analysis, and Indian Economic Problems.

Prof. B. Kamaiah is the **Dean of the School.**

Programmes of Study:

The M.A. in Economics has been designed to expose the students to mainstream and heterodox approaches in theory, tools and techniques. The program equips the students with

analytical skills to engage with conceptual and empirical dimensions of the economy, policy, polity and society. Besides the standard courses like microeconomics, macroeconomics, trade, growth, public finance and econometrics, the core courses also include classical political economy and political economy of development, which makes it a well rounded program. The program also offers a range of optional courses that enable the student to acquire specialised knowledge in specific theoretical and applied branches of economics, like New Institutional Economics, Law and Economics, Capital Theory, Development Economics, Economics of Education, Economics of Discrimination, Health Economics, Public Policy, Transitional Economics, Urban & Transport Economics, Natural Resource and Environmental Economics, Labour Economics, Health Economics, Financial Economics, Financial Econometrics, Time Series and so on. This programme is divided into four semesters, in which they have to do 10 compulsory and 6 optional courses. Knowledge of high school level mathematics is expected from the prospective candidates as a minimum qualification, as some of the courses have mathematical orientation.

The M.A. Programme in Financial Economics has been designed to expose the students to alternative paradigms of economic and financial theories and of global financial markets. The students would also be equipped with necessary analytical tools and techniques by way of an in depth training in econometric and time series techniques, and other quantitative methods. The focus of the training would be on practical applications and hand-on experience through assignments and projects, to enable them to competently analyse the market trends, handle big data sets to aid the decision making process. Keeping these objectives in mind, the two-year programme offers a balanced mix of core and electives along with a project to be submitted at the end of the programme. Internships with industry, banks and financial institutions would be an integral part of the programme.

I.M.A. (5-Year Integrated) programme consists of a component that is common to all the social sciences during the first three years. The students are admitted through an entrance test common to all social sciences. The students spend the first three years of study at the Centre for Integrated Studies, after which they branch out to the respective allotted discipline. The final two years of the I.M.A. (5-Year Integrated) in Economics programme are common with the M.A. Economics programme or with M.A. Financial Economics programmes allotted as per their choice at the end of three years. Further details about the programme and entrance test can be found under College for Integrated Studies in this Prospectus.

M.Phil. programme is a three semester programme which is expected to be completed in a maximum three semesters. It consists of course work and dissertation. The course work places emphasis on: a) recent advances in selected areas of economics, b) literature in the chosen area of research and, c) proficiency in research methodology of economics. Students are required to do course work in the first semester. During the second semester they have to write a study area examination in the chosen area of research and in the remaining part of the programme, they are expected to write a dissertation. However, the students if so desire can submit the M.Phil. dissertation within two semesters also.

Ph.D. programme consists mainly of research work (with a provision to do course work for one semester for those who are admitted without M.Phil. degree) leading to a thesis on an approved topic. The thesis will be of a high standard seen as a contribution to knowledge and will be defended in an open viva-voce.

The School has a Programme on Gandhian Economic Thought (Coordinator: Prof. Naresh Kumar Sharma).

Faculty

Professors

B. Kamaiah, Ph.D. (IIT, Bombay) – Monetary and Financial Economics. (**Dean of the School**)

Naresh Kumar Sharma, Ph.D. (ISI, Delhi) – Economic Theory, Gandhian Economic Thought, Development, Agriculture, Money & Finance, Science & Technology.

Goddanti Omkarnath, Ph.D. (JNU) – Classical Economic Theory, Capital Theory, Indian Economy, Teaching of Economics.

J. Manohar Rao, Ph.D. (JNU) – Health Care Economics, Development Theory and Policy, WTO and Globalization, Classical Political Economy, Economics of Science, Technology and Technical Change.

S. Sandhya, Ph.D. (JNU) – Population Studies, Population and Development, Health Economics, Health Policy.

R. Vijay, Ph.D. (UoH) – Political Economy, Development Economics, New Institutional Economics.

R.V. Ramana Murthy, Ph.D. (UoH) – Heterodox Economics, Agrarian Studies and Methodology of Economics.

Debashis Acharya, Ph.D. (UoH) – Macro-Monetary Economics, Financial Economics.

K. Laxminarayana, Ph.D. (UoH) – Political Economy and Agricultural Economics, Economics of Education.

N.A. Khan, Ph.D. (Allahabad) – Public Economics, International Trade, Infrastructure Economics, Macro Economics, Islamic Banking.

Boppana Nagarjuna, Ph.D. (UoH) – Industrial Economics, Transitional Economics and International Finance and Indian Economy.

Phanindra Goyari, M.Phil. (IGIDR, Mumbai), Ph.D. (UoH) – Econometrics, Mathematical Economics, Agricultural Economics, Model Building & Simulation in Economics.

Associate Professor

S. Raja Sethu Durai, Ph.D. (University of Madras) – Macro Economics, Applied Econometrics and Financial Economics.

Assistant Professors

G. Vijay, Ph.D. (Institute of Social Studies The Hague) – Labour Economics, Environmental Economics, Economics of Business Organizations, Law and Economics, Political Economy.

G. Sridevi, Ph.D. (Institute of Social and Economic Change, Bangalore) – Food Security, Health Care, Economics of Discrimination.

Limakumba Walling, M.A. (UoH) – Macroeconomics, Political Economy and Economics of Competition.

Prajna Paramita Mishra, Ph.D. (UoH) – Environmental and Natural Resource Economics.

Alok Kumar Mishra, Ph.D. (UoH) – Macroeconomic Dynamics, Financial Economics, Urban and Transport Economics.

B. Nageswara Rao, Ph.D. (UoH) – Tribal Development, Economic History, Agricultural Economics.

K. Ramachandra Rao, Ph.D. (Andhra) – Urban Economics, Health Economics.

Chittedi Krishna Reddy, Ph.D. (CDS-JNU) – Macro Economics, Financial Economics and Developmental Issues.

Motilal Bicchal, Ph.D. (UoH) – Macro-Monetary Economics, Financial Economics.

Other Professors:

Prasanna Kumar Mohanty, Ph.D. (Boston, USA), Post-Doc (Harvard, USA), MA-Economics, Delhi School of Economics, MA-Political Economy, Boston University – Land, Transport, Urban and Housing Economics; Public Finance. **Chair Professor.**

G. Nancharaiah, Ph.D. (Andhra) – International Economics, Agricultural Economics, Development Economics & Mathematical Economics. **Emeritus Professor & ICSSR B.R. Ambedkar National Fellow.**

Entrance Examination

The Entrance Examination for **M.A. in Economics** consists of only objective type questions. The test is designed to examine/ evaluate the candidates' general aptitude (including quantitative ability) and understanding of economics at the bachelor's level. The test is of TWO hours duration and consists of 100 multiple choice questions.

The broad syllabus for the entrance test of M.A. in Economics covers graduate level: Microeconomic Theory, Macroeconomic Theory, International Economics, Public Finance, Basic Mathematics, Basic Statistics, Economic Development and Indian Economy.

There is a separate test for **M.A. in Financial Economics**. However, the modalities and syllabus for the entrance examination for this programme are the same as for the entrance test for M.A. in Economics.

Entrance test details for I.M.A. (5-Year Integrated) programme are given under the College for Integrated Studies.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

The M.Phil. and Ph.D. programmes have common entrance paper. The M.Phil. and Ph.D. Entrance Examination will be two parts, Part – A and Part-B. Part – A covers questions on Research Aptitude and Research Methodology. Part – B covers postgraduate level: Microeconomic Theory, Macroeconomic Theory, International Economics, Public Finance, Basic Mathematics, Basic Statistics, Basic Econometrics, Economic Growth and Development, Indian Economy, etc.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

Candidates for Ph.D. programme are required to submit a research proposal along with application for admission. Applications without research proposal will not be considered.

Sarojini Naidu School of Arts and Communication

The Sarojini Naidu School of Arts and Communication started functioning from 1988-89 and offers Masters-level courses in Dance, Theatre Arts, Fine Arts and Communication and Doctoral (Ph.D) programmes in Communication, Theatre Arts, and Dance.

The University is indebted to the family of Sarojini Naidu for the bequest by the late Padmaja Naidu of the 'Golden Threshold', where the University started functioning. In recognition of this gesture, the University started this School by naming it after Sarojini Naidu to offer post-graduate and research programmes in the fields of arts and culture.

The School provides courses of study in the Departments of Dance, Theatre Arts, Fine Arts, and Communication. It seeks to enlarge the scope of the academic programme so as to include other areas of artistic endeavor like music. The broad objective of the teaching programme is not only to explore the evolution and forms of arts, but also to bring about an integrated approach to the study of creativity. Apart from the core Faculty, experts in various fields and Guest Faculty of national and international repute teach courses in the School.

Prof. P. Ramalingasastry, Department of Dance is the Dean of the School.
The School comprises the following Departments:
1. Department of Dance
2. Department of Theatre Arts
3. Department of Fine Arts
4. Department of Communication

The School has evolved a pattern of studies for Master's Degree programmes in four semesters in the Departments of Dance, Fine Arts, and Communication and in six semesters in the Department of Theatre Arts. The courses are so arranged as to make the students aware of not only the evolution of each art, but also the social context and the innovations that these art forms have experienced in their growth.

The Ph.D. programmes mainly consist of a research project with some course work if necessary and the writing of a thesis on a topic approved by the Faculty of the Department. It is expected that the thesis will make valuable contribution to the specialized area of study. Candidates seeking admission into the programme must submit with their applications a tentative but detailed outline of their research proposal. Candidates must appear for an interview before admission into Ph.D.

Department of Dance – Brief information

The dance department has been one of the first attempts to adapt traditional systems of training in classical dance styles of Kuchipudi and Bharatanatyam for post-graduate studies at university level providing opportunity for students to sharpen their technique and craft, analyze classical dance forms through closer study of aesthetic theories expounded in ancient Sanskrit texts, and made critical interventions in bridging gap between theory and practice.

Department of dance conducts advanced training in dance, particularly classical Indian

dances both in theoretical and practical aspects. As one of the pioneering University bodies to adapt classical dance studies to a modern university approach, department of dance has been progressing in envisioning and executing innovative ideas in classical dance practice in all its various professional aspects such as choreography, stage presentation in all its component aspects, rasaabhinaya, dance music composition, art management and digital arts, international understanding of Indian classical dance, dance history, natya sastra, dance appreciation and dance research.

Programme of the study (Courses offered)

M.P.A. in Dance (Kuchipudi & Bharatanatyam)

The Masters in Performing Arts (dance) course is a full time two years and it is very rigorous. The course is a well-balanced in terms of theory and practice and the course spread over four semesters in two years; the course structure provides scope to enhance scholarship, practical and theoretical understanding of dance forms, and initiate students into research and teaching.

Significant emphasis is given to research orientation to train interested students towards research right from the post-graduate level, through a course on research methodology and dissertation project as part of their MPA programme. Students will be given opportunity to enhance their performance skill through department's production.

Apart from the above, frequent work-shops will be organized with artists and experts with artists of national and international repute.

Ph.D in Dance:

The doctoral programme offers scope for students and scholars to specialize in chosen minute niche fields of dance. The programme aims at creating a new knowledge in Indian Classical Dance understanding compatible with global scientific understanding of performing arts in their practice, theory, social relevance, heritage value, cultural significance etc., Incorporating all the relevant methodological tools such as qualitative research, performances theory, ethnography, performance documentation etc., from suitable disciplines such as cultural anthropology, history, art history, management etc., the programme helps the society acquire scientific, socially and culturally relevant understanding of Indian Classical Dances.

Ph.D.

The question paper of Ph.D. course shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : "*The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

Faculty

Professors

Anuradha. J, Ph.D. (Dance) (University of Hyderabad) – Theoretical Aspects and Kinesthetics of Dance, Kuchipudi Practical and Choreography.

Pasumarti Ramalinga Sastry, Diploma (Kalakshetra, Chennai) – Bharatanatyam - Practical, Theory, Choreography.

M.S. Siva Raju, Ph.D. (Dance) (University of Hyderabad) – Comparative Dance Studies, Musical Aspects of Dance, Movement for Dance and Choreography. (**Head of the Department**)

G. Aruna Bhikshu, Ph.D. (Dance) (University of Hyderabad) – Applied Theory and Dance Studies.

Visiting Faculty

C.V. Chandrasekhar
Sunil Kothari
Chitra Vishweswaran
Pappu Venugopala Rao
Harimohan Paruvu

Entrance Examination

Admission is through an entrance examination consisting of a combination of objective (25 marks) and essay-type questions (25 marks) on subjects related to the specific field of study i.e., Dance. There would be a common question paper for both specializations. Those selected in the entrance examination will then be called for a practical test for (50 marks) before final selection. For Ph.D. the written test is for 80 marks and Viva voce for 20 marks.

Candidates are required to indicate in the application their preference of specialization in order of priority. Based on the prerequisite experience and the candidate's performance in the admission test and viva, the Department shall assign specialization streams to each of the selected students.

Some of the salient features of the programme:

Students will be given training to compose their own music by creating creative compositions for their choreography. In this process, they understand the depth of the music which influences movement phases intended for any dance sequences, may be solo, thematic, dance-drama and group choreography. This course also facilitates the masters' aspirants to realize the importance of stage-design, craft making, property making like; head-gears, masks etc. Along with the above, the students will also get introduced to make-up and its technics. The course structure enables the master aspirants to become an independent performer / choreographer / teacher / nattuvanar / music composer and stage property designer at the end of their master's degree. This is the first of its kind in India.

Department of Theatre Arts

The Theatre Arts Discipline of S.N.School strongly believes that creating good theatre is an arduous activity and there is no simple formula to achieve it. As an academic discipline within a University system, Theatre Arts concentrates on giving training in seminal concepts, basic principles and practices of drama and theatre to create a successful theatre in society, where live interaction can lead to new terrains of experience and intellect. The course pattern is aimed at the integration of theory with practice, art with technology, and artists with audience. It addresses the core and frontier areas of theatre art, while maintaining flexibility to adapt the art for many different contexts.

The objective of our programmes is to empower students through rigorous training, to practice and appropriate the art of theatre to new contexts thrown up by the rapidly changing contemporary culture and technology. To do this, thorough knowledge of the history and theory of performance is imperative so that a theatre artist understands the field as full of choices and can chart out his or her own path in society and market.

We endeavour to balance training in the practical aspects of theatre with the historical and theoretical aspects. The aim is to train multi-faceted theatre artists, integrating theory with practice, imagination with technology, and art with the practical issues of management and marketing in diverse contexts of the globalized market.

Apart from experienced permanent Faculty, the Department also organizes workshops with prominent experts in theatre from India and abroad. The Department has strong international presence as it has research and practice projects funded by United Kingdom-India Education and Research Initiative (UKIERI), Norwegian Embassy, University Grants Commission (UGC) and Sir Ratan Tata Trust. We continuously work with Indian Society for Theatre Research (ISTR) and International Federation for Theatre Research (IFTR) to develop the practical and research capabilities of the faculty and students.

The medium of instruction will be English. But there is no language bar for acting or other practical work. Students can work in the language of their choice and multilingual plays are encouraged. The department offers the following courses:

M.P.A (Theatre Arts)

The Masters in Performing Arts programme is a rigorous, **full time three-year course.** This course trains the students in the practical and theoretical work so that they understand and practice theatre as a unique form of artistic communication. The core components are designed to provide hands-on experience of all the areas of theatrical communication and their possible application in different contexts. The theory courses teach the students to look at the history of theatre practice from multiple perspectives-like the literary, socio-economic, political, philosophical, etc. The course content covers both Western and Indian Drama and theatre. It also provides understanding of theatre in relation to other forms of artistic expression-like painting, sculpture, music, cinema, etc. The course tries to encompass the whole spectrum, from classical to contemporary, traditional to commercial, and folk to the digital. Here is a brief outline of the course components, spread over the three years of study:

Theory Courses:
Arts, Aesthetics and Society
Play Analysis
History, Theory, Text (Classical, Indian & Non-Indian)
Realism and After.
Indian Drama and Performance in Contemporary Context

- To understand different forms of artistic expressions, their processes, contexts, grammar and to relate them with theatrical expressions.
- Significance and multiplicity of theatre activities and their relationship to their contemporary history and culture.
- How different theatre forms struggle for space within the same period and culture.

PRODUCTION OF PLAYS
Production Process:
Play productions (One per semester)

- Different stages of production process from an idea/theme/text to a concrete theatrical expression.
- Working with experienced and professional directors on different kinds of plays. To understand different ways of interpreting and producing professional performances.

DESIGN/TECHNOLOGY/DIRECTION:
Basics of Design
Theory and Practices of Scenography
Theory and Practice of Direction
Design and Direction:

- Hands-on training in design skills and to understand their function in the total performance structure in organic relation to other components.

- Working with new materials and techniques to explore new avenues in contemporary performance.

ACTING:
Styles of Acting
Acting in Play Productions (Classical/ traditional/ folk/ Modern Western/ Modern Indian contemporary approaches to Acting)

- The basic elements of acting, stage presence and theatrical communication. To be able to follow direction and execute the director's interpretation of the text, to design one's acting in relation to other elements of design.
- Skills and possibilities of improvisations, different approaches to and styles of acting through a series of scene-works and productions.

Theatre and New Contexts
Community Theatre or Applied Theatre
Children's Theatre & Theatre in Education
Theatre Management

- Using the skills of theatre practice in different contexts like Community theatre, Children's theatre, event management etc.
- To visualize and prepare professional theatre projects with a clear understanding of the budget, work division, human and financial resource management, presentation and marketing.

Specializations
In the third year, apart from the common courses, students are offered the following specialized courses. The department reserves the right to decide whether a student is eligible to opt for a particular Specialization, depending upon his/her performance in that area during the first two years.
Advance Course in Design and Direction
Advance Course in Theatre Studies
Advance Course in Acting and Children's Theatre

Apart from these courses, students should undergo continuous Compulsory Non Credit-courses dealing with Movement and Voice (practical) throughout the three year programme. All practical courses require 90% attendance from the students. Medical fitness is a must to go through the rigorous programme. So exemption for lack of attendance on medical grounds cannot be entertained.

There is an exit clause at the end of the first year. Students, who have successfully completed the first year and do not wish to take advantage of the more in-depth training provided during the next two years can leave the course with a P.G. Diploma in Theatre Arts. Promotion into the second year, apart from the desire of the student, is subject to satisfactory performance and successful completion of the first year of study. The performance of the student will be assessed on the basis of regular attendance, motivation and active participation in the studies and practical work, co-operation and co-ordination with fellow students as well as securing the necessary minimum marks in written and practical exams.

Entrance Examination and interview:

Any graduate with an aptitude for theatre can apply for the M.P.A. Course. Experience in theatre or any performing art will be an added advantage. Eligible candidates are required to write an entrance examination of two-hour duration, consisting of objective type questions on areas related to theatre and culture. Those qualified in the written test will be called for an audition/interview at the University, where they need to write descriptive and analytical essay as one of the given topics to their experience in theatre.

For the audition/interview, candidates are expected to come prepared to discuss a full length play of their choice and also perform a dramatic passage from a play of their choice in a language of their choice.

Candidates who fail in the audition/interview cannot be selected irrespective of the marks secured in the written exam. Any additional talents like music, dance, martial arts, drawing etc., will be added advantage.

Ph.D Programme in Theatre Arts:

The focus of Doctoral program in Theatre Arts is to generate a knowledge-base in the area of Performance research and practice of theatre. Performance is seen as an inclusive filed encompassing all the genres of performance from traditional to contemporary, and explored in the backdrop of constituent and frontier domains like history, language, literature, anthropology, cultural studies, folklore, music and management in the social and historical context. A flexible interdisciplinary framework is followed to enable researchers to carry out work in the area of performance studies. To bridge the domains of practice and research, practice as Research in Performance is encouraged.
 N.B: New admissions in Ph. D Programme will be reopened from 2019.

Faculty:
 Professors:

N. Jnaneswara Bhikshu, (Head of the Department) Ph.D (Hyderabad)-   Indian Drama and Theatre (Classical), History, Theory, Text (Western)

B. Ananthakrishnan, Ph.D (Madras)- Performance Studies, Production Process.

Satyabrata Rout, M.A (National School of Drama), Ph.D (C.C.S. University, Meerut University) – Scenography and Direction: Theory and Practices

Associate Professors:
Rajiv Velicheti, M.A. in Dramatic Arts (National School of Drama) – Theatre History, Acting and Direction

Noushad Mohammad, M.A. (National School of Drama), Adv. Diploma
in Actor Training (TTRP, Singapore) – Acting.

Kanhaiya Lal Kaithwas, M.A. (National School of Drama) Design and Theatre Craft

Assistant Professor:

Riken Ngomle, M.A. (National School of Drama), Advance Course in Acting, Grotowsky Institute, Wroclaw, Poland- Acting

Department of Fine Arts

The Department of Fine Arts was established in 1988 at the University of Hyderabad alongside the Departments of Dance, Theater and Communication to form the Sarojini Naidu School of Arts and Communication. The aim was to bring various artistic practices within a broader academic program, to interrogate more systematically, the communicative aspects of the aesthetic traditions, and the aesthetic dimensions of communication systems.

The Department of Fine Arts was established under the stewardship of eminent artists Laxma Goud, DLN Reddy, R S Shamsunder, and other young faculty, and has developed into a premier Art School in the country. The pedagogical commitment has been to provide a safe space for a serious art practice that can be freely carried out in a supportive, challenging and enriching environment. The increasing visibility, and growing list of achievements of our alumni in the world of Contemporary Indian Art are testimony to the pedagogical successes of our school.

Programs of Study

The Department of Fine Arts offers two-year, terminal MFA degree courses in the disciplines of Painting, Sculpture, Print Making, and Art History and Visual Studies. Our academic programs are designed to integrate the practice of Fine Arts with a strong understanding of the social, economic, and intellectual histories of art traditions from around the world. Our students are encouraged to understand the roots and intentions that fuel their own artistic trajectories, while simultaneously situating their work amidst the larger context of the debates in art traditions from around the world. Students from the practical disciplines are encouraged to explore the world of books, reading, writing and research. Conversely, it is mandatory for students from the theory disciplines to work in the studios, so to grapple with the pleasures and challenges of converting inert, obdurate, physical materials into living works of art. The students of the Practical streams (Painting, Sculpture and Print Making) submit a dissertation on their own work, while students of the Art History and Visual Studies discipline submit a dissertation on a topic of their choice, subject to the approval of the concerned faculty.

Instruction in the Department is essentially tutorial in nature, it involves a close working relationship between the faculty and students. The academic curriculum is strengthened and complemented by incorporating workshops by eminent visiting artists, artist camps, conferences and lectures by distinguished scholars on a regular basis. The overall aim is to provide more holistic and intellectually defensible understandings of our inherited artistic and cultural traditions to the young and upcoming generations of artists in our programs.

The Distribution of marks for the Entrance Exams for the Practical streams (Painting/Sculpture/Print Making) will be as follows:

Written Test (Objective type, to be conducted in Different Centers)	25%
6 Photographs of Recent Works (8' x 10") in the field of Specialization (To be submitted at time of Written test at the Examination Center)	15%
Drawing Test (Conducted on University of Hyderabad Campus, on the day of Interview)	10%
Oral Interview (On Campus)	25%

Artist Portfolio (To be shown at time of interviews on Campus) For the portfolio, students of the Painting and Print making disciplines are required to bring at least (5-10) original works in addition to drawings, sketch books and 6 Photographs (8"X10") of works in their field of specialization. Students of the Sculpture discipline are required to bring at least (1 or 2) original works, in addition to their drawings & Sketch books, and 10 - 15 photographs (8"X10") of works in the field of specialization. Each photograph must carry details of size, medium and date, and must be individually attested by the Faculty/Head of the Department/Institution.)	25%

The criteria for the evaluation of visuals will be demonstration of technical ability, conceptual clarity, stylistic coherence and understanding of visual image making practices. In the Oral Interview, the student must be able to back the claims being made in the drawing test and in the accompanying portfolio.

The Distribution of marks for the Entrance Exam for Art History & Visual Studies students will be as follows:

Written Test (Objective Type, conducted at different centers)	50%
Written Essay (On the University of Hyderabad campus, on an assigned topic, on the day of interview)	25%
Oral Interview (On Campus)	25%

In the written essay and oral interview, the students must be able to demonstrate an aptitude in art history, adequate language skills as well as a basic understanding of image making practices.

Faculty
Associate Professors

LNV Srinivas, MFA (Painting) SN School, University of Hyderabad, BFA (Andhra University, Vishakapatnam)
(Head of the Department)
Alex Mathew, PG Diploma in Creative Sculpture (Faculty of Fine Arts, M S University, Baroda)

Kirtana Thangavelu, MA-PhD University of California Berkeley, MFA, Kala Bhavana, Visva Bharati University, Santiniketan, BA (Fine) Art History, M.S. University, Baroda.
Suneel Mamadapur, PG Diploma in Graphic Arts, (Faculty of Fine Arts, M. S. University, Baroda)

Assistant Professors
Baishali Ghosh, PhD-MFA (Art History) M S University, Baroda, BFA (Art History) Visva Bharati University, Santiniketan
Tanmay Santra, MFA (Painting) Visva Bharati University, Santiniketan
BVA (Painting) Rabindra Bharati University, B.Sc (Bio-Sciences) University of Calcutta

Entrance Exams Specific Information (if any)

Essential requirements at the time of Application for MFA in Painting/Sculpture/Print Making:

i) Applicant must specify the stream (Painting/Printmaking/Sculpture) on priority basis on which they wish to apply to the Department of Fine Arts

ii) Applicant must submit 6 photographs (8"x10") of his/her recent works in the specific stream in which they are applying, to the Examination Coordinator at the time of the Written Examination along with their answer sheets (OMR sheets). The Photographs of artworks must be attested by a Faculty member/Head of Fine Arts College/Institute from where the applicant received his/her BFA/BVA/BA (Fine) degree. This is mandatory, as this will be the basis for screening by the admission Committee.

iii) If an applicant wishes to apply for more than one stream in the Fine Arts Department, they must submit 6 photographs of recent works **done in each stream**, with their answer sheet at the time of the written examinations

Candidates must fulfill the above requirements in order to be considered for the Entrance Test and Admission for MFA in Painting/Print Making/Sculpture

Department of Communication

The Department offers a full-time 2 year Master's programme in Communication. The **M.A. Communication** programme has the following objectives:

1. To study the process of mass communications from the perspective of communication theory, political economy, historiographical/cultural studies, and development.
2. Producing and studying both technology and its mediated usage.
3. To impart skill-based training to prepare students for a growing media industry

The two-year (four semester) M.A. programme offers the following streams of specialization:
   a) Radio & Video Production
   b) Print Journalism & New Media
   c) Communication & Media Studies

Students go through nine core courses in the first two semesters. These courses introduce them to basic concepts and skills in all three areas of specialization. Students, in accordance with the assigned stream, will specialize in one of the above three areas in the last two semesters (See Entrance Examination below for more details). Graduates of the department will have a broad understanding of the foundations of communication and media and acquire in-depth knowledge/skills in at least one of the three areas of specialization mentioned above.

The following table provides an overview of the areas covered in the last two semesters of specialization:

Specialization Stream	Focus Areas of Study

Radio & Video Production	Radio/TV journalism, studio & field production, broadcast media management, documentary & short film making, music video, fiction
Print Journalism & New Media	Specialized reporting & editing, features and analytical writing for print & new media, layout & design, production & managing websites, content management, media management, convergence journalism
Communication & Media Studies	Communication & Social Change, film/TV theory, communication research, cultural studies, ICTs, digital culture, globalization & media, media & gender, community media, science & health communication

Internship Requirement for M.A. (Communication)

During the summer vacation, each student shall work for a period of four to six weeks in a reputable communication/media organization (e.g. newspaper, TV channel, production house, advertising agency, PR agency, market research firm, IT company, NGO, etc.) and obtain a 'satisfactory completion' internship certificate for submission to the department along with a brief internship report. The students shall seek prior approval of the department before joining an organization for internship. Where necessary, the department shall facilitate acceptance of students by particular organizations. Satisfactory completion of internship is a requirement for completion of the M.A. programme.

Infrastructure

Computer Lab: The Department has a networked (LAN) computer lab equipped with the relevant software, as well as scanning, printing and CD/DVD writing facilities. The software includes Quark XPress, Adobe Indesign and other tools necessary for print and multimedia production. The lab also has quantitative and qualitative analysis software loaded on some machines for use by both MA and PhD students. All computers are internet enabled. Students utilize this facility to complete their print/web projects, assignments and other course related work.

AV lab: The audio lab is equipped with multiple microphones, professional multi-track digital recording and editing facilities. Portable digital field recording units are also available for outdoor recording. Students learn to operate professional sound-editing software. The video lab is equipped with a three-camera set-up for multi-camera productions. Besides these, 14 digital video cameras are exclusively meant for single camera field productions. Post-production facilities include non-linear editing systems. Access to and use of studio facilities are governed by rules laid out by the department. Students must provide necessary undertaking regarding access/utility rules for the AV lab.

Bol Hyderabad: The campus community radio station, *Bol Hyderabad 90.4 FM*, is located within the Department building. While offering a community service for campus residents as well as for people living in the listening area, the station provides the setting for hands-on practical training in radio broadcasting to the Master's students.

Copyrights
All copyright of student work produced during their tenure at the University will rest with the Department/University.

Student participation

The programme is intensive and involves group and individual presentations, research projects, studio exercises and other production-related activity. The programme demands active participation of the students. The University regulations make it mandatory for students to have a minimum attendance of 75% during the semester to be eligible to appear for the end-semester examination.

Students must be prepared to incur any expenses towards completion of their projects, field visits, and participation in various events.

Entrance Examination

Applicants found eligible must write an entrance examination. Based on performance in the entrance examination, the short-listed candidates appear for an interview before final selection is made. The entrance examination consists of objective-type multiple-choice questions that test candidates on their general knowledge, current affairs, media awareness, and verbal aptitude. Students who are shortlisted will also be tested on their writing skills at the time of the interview.

Students will be asked to select streams at the end of the second semester. The Department will assign streams based on academic performance in the first two semesters. The students are allotted to the streams in such a way that enrollment in no stream shall exceed 15.

Ph.D. in Communication

The Department offers a Doctoral Programme in Communication. Those found eligible must write a written test comprising questions in: theory and concepts in the field; research methodology; and a project synopsis. Although students are expected to bring along a PhD proposal and be prepared to discuss it with the interview panel, this need not necessarily be the topic that the selected candidates will eventually work on.

Ph.D.

The question paper of Ph.D. course shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Oral test for 25 marks for shortlisted candidates.

Faculty

Professors

B.P.Sanjay, Ph.D. (Simon Fraser University, Canada) – Political Economy of Communication Technologies, Development Studies, International Communication, Communication/Media Policy. Also Pro Vice-Chancellor of the University.

Vinod Pavarala, Ph.D. (University of Pittsburgh, USA)- Communication and Social Change, Community Media, Popular Culture. Also holds the UNESCO Chair on Community Media.

P. Thirumal, Ph.D. (Pondicherry University) - Rhetoric of Development, Theory & History of Media.

Vasuki Belavadi, Ph.D. (University of Hyderabad) – Radio, Video Production, Community Media.

Kanchan K. Malik, Ph.D. (University of Hyderabad) – Print Journalism, Community Media Studies, Media Law & Ethics, Media & Gender, Communication for Development. **(Head of the Department**)

Usha Raman, Ph.D. (University of Georgia, USA) Print Journalism, Health & Science Communication, Digital Media Studies, Feminist Media Studies

Associate Professors

P. Kennedy, Ph.D. (Osmania University) -- Television Studies, ICTs for Development / Education.

E. Sathya Prakash, Ph.D. (Osmania University) – Television Production, Documentary Filmmaking and Media Management.

Assistant Professors

Madhavi Ravi Kumar, Ph.D. (Andhra University, Visakhapatnam) - Print and Broadcast Journalism, Convergence Journalism, Development Communication, Digital Media Studies

Anjali Lal Gupta, M.A. (Jamia Millia Islamia) - Theory and Practice of Journalism, Narrative Journalism, Features and Analytical Writing, Development Journalism

School of Management Studies

The School of Management Studies (SMS) was established in 1999. It offers Three 2 year full-time MBA programmes in General Management, Healthcare & Hospital Management and Business Analytics. The SMS also offers a Ph.D. Programme in Management Studies. The School has completed 18 years of excellence in providing Management Education and preparing business leaders for the global market place. The School is acknowledged for its cutting-edge research, excellent teaching and learning activity in an intellectually stimulating environment. It promotes faculty and doctoral research, consultancy, training, and outreach activities in various sectors.

THE GUIDLNG LIGHT - THE VISION
The broad vision of the School is to continually strive to achieve excellence in management education, research, training, consultancy and outreach activities with a multi-disciplinary, multi-sectoral and developmental perspective.

THE CHOSEN PATH - THE MISSION
- To continually broaden the scope of application of management concepts to Infrastructural, Institutional, Environmental & Developmental services, Entrepreneurship and emerging areas in management.
- To promote the development of sound conceptual and adaptable functional and strategic skills among students.
- To encourage socially responsive managers of tomorrow.
- To instill a culture of lifelong learning and self-development among the students.

THE CORE ACTIVITIES
- Organizing the course work including electives
- Providing relevant inputs/skills - self-awareness and growth lab, organizational skills, summer internship, and project work
- Conducting Faculty and Management Development Programmes
- Encouraging research by faculty and Ph.D. scholars
- Organizing seminars and encouraging participation in external seminars
- Collaborating with reputed national / international institutions / industry
- Encouraging students to organize and participate in co-and extra-curricular activities

Prof. B. Raja Shekhar is the Dean of the School.

PROGRAMMES OF STUDY

MBA Programme
The two year MBA full-time programme with an intake of 60 students is spread over four semesters. During the first two semesters, core and foundation courses are offered. These include Management Concepts and Approaches, Managerial Accounting and Finance, Marketing, Organizational Behaviour, Human Resource Management, Quantitative Techniques, Managerial Economics, Information Technology, Communication and Personal Effectiveness, Operations Management, Research Methodology, Business Analytics and Business Environment. In addition, a three-day concentrated Self-awareness and Growth Lab is also organized during the first semester.

The students are required to get practical exposure by undertaking eight weeks internship in

an organization during the summer intervening between the second and third semesters. These internships are intended to familiarize the students with current management practices, work environment and organizational culture.

During the second year, the students have the opportunity to specialize in two select areas of their interest. These specializations are offered through electives and project work spread over the two semesters. The students may choose from the following specializations offered:

- Marketing Management
- Finance Management
- Human Resources Management
- Operations Management
- Business Analytics
- Entrepreneurship
- Banking

The students also undertake a long term research project during the final year. It is intended to provide research skills thus enabling them to develop decision making skills as managers.

Admissions for the M.B.A. 2017-18 academic year, with an intake of 60 students are completed on the basis of CAT-2016 scores.

Candidates planning to take MBA admission for the academic year 2018-19 are advised to check for admission notification in the months of August/September 2017. The notification would be advertised in popular newspapers and can also be accessed on the University website.

MBA (Health Care and Hospital Management)

The School has been offering a unique MBA programme (Health Care & Hospital Management) from the academic year 2008-09. The two year (four semesters) programme is offered in collaboration with leading hospitals to meet the challenges and opportunities offered by the growing health care industry in India. The programme caters specific needs of middle level administrators in hospitals / health care and related sectors. This comprehensive programme will provide a professional qualification and insights into managerial functions for those serving graduates who wish to take up health care and hospital management as a professional career. It will also be of immediate benefit to serving professionals in this sector.

The broad vision of the programme is to strive to achieve excellence in the areas of health care and hospital management education, research, training, and consultancy on par with International benchmarks and standards. The broad mission is to prepare competent and trained hospital management professionals in a synergistic learning environment having strategic alliances with leading healthcare institutions in India and abroad. The major focus is on enhancing and enabling the existing mechanisms engaged in management of healthcare sector in India through capacity building programmes, dissemination of knowledge through continuous interaction between academia and industry, and to promote developmental activities in health care sector.

Highlights of the Programme
- Curriculum is spread over foundation and core courses in the first year and specialized courses and electives in the functional areas in the second year
- Course curriculum developed by seeking inputs from senior hospital management and health care professionals
- Self-awareness and growth lab for personal effectiveness
- 8-10 weeks of summer internship to understand the nuances of the hospital environment

- Final project under the supervision of a Faculty guide in conjunction with an industry mentor

Programme Pedagogy

The teaching/learning methodology is significantly interactive with case studies and group projects to study global health care and hospital management practices
- Interaction with eminent professionals from health care and hospital management
- Individual learning through guided assignments
- Personal growth/self-development and organization skill workshops
- Computer-based learning and audio-visual aids

During the period of study, the student will be required to carry out an 8 weeks summer project after completion of the II semester and final internship project work in any health care institution in the final semester. Efforts would also be made to provide the students a continuous learning opportunity through short term projects and attachment with recognized hospitals. The intake, qualifications for admission and schedule for written exam/interviews for M.B.A. (Health care and Hospital Management) are provided in a tabular format in this brochure.

MBA (Business Analytics)

The School is launching a new two year MBA in Business Analytics programme with an intake of 30 students + 5 Industry sponsored candidates from this academic year and is spread over four semesters. The programme will be offered with the support of School of Economics, School of Computer and Information Sciences, School of Mathematics and Statistics, CR Rao Advanced Institute of Mathematics, Statistics and Computer Science and Industry. The course includes the basic foundation subjects of Management that include Management Concepts and Approaches, Finance, Marketing, Human Resource Management, Operations and Business Analytics subjects like Statistics for Business Analytics, Business Analytics for Decision Making, Machine Learning, Marketing and Retail Analytics, Big Data, Financial Analytics, Econometrics, HR Analytics, Manufacturing and Supply Chain Analytics etc. Lab sessions are also included in the course.

The students are required to get practical exposure by undertaking eight weeks internship in an organization during the summer intervening between the second and third semesters. These internships are intended to familiarize the students with current developments in the area of Business Analytics along with the management practices, work environment and organizational culture. The students also undertake a long term research project during the final year. It is intended to their analytics skills enabling them to join organizations.

Highlights of the Programme
- Curriculum is spread over foundation and core courses related to Management, Information Technology and Analytics in the first year and emphasis is placed on courses related to advanced Business Analytics in the second year.
- Course curriculum developed by seeking inputs from industry professionals and academicians
- Self-awareness and growth lab for personal effectiveness.
- 8-10 weeks of summer internship to understand the working environment of the analytics industry.
- Final project under the supervision of a Faculty guide along with an industry mentor.

Course Curriculum and Programme delivery

The course curriculum is developed with active collaboration / involvement of industry professionals to provide the students with state of the art knowledge and practical orientation in the field of business analytics and management. The course is being offered to a limited strength of about 30 students + 5 Industry sponsored candidates with key inputs from the Faculty of the school and other visiting Faculty with supplementary inputs from industry professionals.

International Students: 2017-19 MBA

Up to five international students may be considered for admission to the MBA programme in absentia. Their selection would be based on:

- 60% marks or above or its equivalent grade in a Bachelor's degree in any field from an officially recognized University/institution in their country of residence;
- Proof of proficiency in English (score in TOEFL or equivalent Test or certification);
- Statement of purpose; and
- At least two academic references

Interested students should submit an application with full personal details, summary of academic records from high school onwards, attested copies of mark-sheets and TOEFL (or equivalent) scores, a brief (200 to 300 words) statement of purpose for pursuing the course, names and contact addresses of at least two referees, by **May 10, 2017** at the latest. They should also ensure that, if admitted, they must join the programme before **15th July, 2017**.

The charges for hostel accommodation on campus for all students from abroad will be the same as paid by students from India. All fees and charges are subject to revision by the School/University from time to time.

Ph.D. Programme

The School also offers a Ph.D. programme in Management Studies. The students are expected to produce a dissertation of international quality based on research in analytical and/ or applied areas of management. All the students admitted into Ph.D. programme are required to undergo course work as stipulated by the UGC.

Note: Coursework of a minimum of 12 credits is mandatory for Ph.D. programme. All the candidates admitted for the Ph.D. programme need to complete the coursework within one year period of admission.

Ph.D. (Senior Management Professionals)

A limited number (up to 1/8th of the approved intake of Ph.D. which is over and above the approved intake) of seats are available for senior management professionals having a minimum of 10 years experience in Senior Management Professional cadre out of the total work experience.

Faculty

Professors

V. Venkata Ramana, M.B.A. (SKU), Ph.D. (Management - Osmania) - Marketing Management, General Management, Corporate Strategy and CRM and Services Marketing.

V. Sita, M.A., (Osmania) M. Phil, (Hyderabad), Ph.D. (Osmania) - FDP(IIM, Ahmedabad), PGDHRM (Pondicherry) -Public Policy, General Management, E-Governance, Entrepreneurship and Women Studies.

B. Raja Shekhar, B. Tech. (Civil - Acharya Nagarjuna), M.B.A. (Osmania), Ph.D. (Management - Kakatiya), M.Sc., Ph.D. (Psychology - Sri Venkateswara), FDP (IIM, Ahmedabad), PGDPMIR (Kakatiya), PGDCS (Hyderabad) - Quantitative Techniques, Service Quality, Business Analytics, Research Methodology, Industrial and Organizational Psychology. **(Dean of the School)**

P. Jyothi, M.A., Ph.D. (Psychology - Osmania) - Organizational Behaviour, Human Resource Management, Organizational Development, and Entrepreneurship.

Mary Jessica, M.Com. (Osmania), Ph.D. (Management - Osmania) - Financial Management, Merchant Banking and Financial Services, Investment Management and International Financial Management.

G.V.R.K. Acharyulu, B. Tech. (Chemical- Andhra), M. Tech. (Chemical – NIT Warangal), M.B.A. (Osmania), Ph.D. (Management - Osmania), DPM (Annamalai) - Quantitative Techniques, Operations Management, Supply Chain Management, Health Care Management and Business Analytics. **(Coordinator, M.B.A Health Care and Hospital Management Programme).**

Associate Professors

Chetan Srivastava, MBA (Osmania), Ph.D. (Management - Osmania), PGCCA, MCSD - Strategic Marketing. International Marketing, Advertising, Sales Management, IT in Management.

Sapna Singh, MBA (Osmania), Ph.D. (Management - Osmania) - Marketing, Branding and Advertising.

I. Lokanandha Reddy, MBA (SKU), Ph.D. (Management - JNTUH) - Corporate Finance, Investment Analysis, Strategic Financial Management and Business Analytics.

Assistant Professors

D.V. Srinivas Kumar, B. Tech. (Acharya Nagarjuna), MBA (Andhra), Ph.D., (Management-Hyderabad), FDP (IIM, Indore)- Services Marketing, Customer Relationship Management and Business Analytics. **(Coordinator, M.B.A Business Analytics Programme).**

K. Ramulu, M.Com (Kakatiya), MBA (DRBRAOU), M. Phil. (Commerce - Nagpur) and Ph.D. (Management-Kakatiya) - Materials Management-Financial Management, Financial Accounting, Management Accounting, Financial Risk Management, Security Analysis and Portfolio Management and Financial Markets.

Punam Singh, MBA(ISM, Dhanbad), Ph.D. (Management - JNTUH) - Human Resource Management, Organisational Behaviour, Corporate Social Responsibility, Performance Management and Compensation Management.

Pramod Kumar Mishra, M.Sc.(Mathematics- NIT Rourkela), MBA (Biju Patnaik), Ph.D. (Management-Hyderabad), PDF (IIM, Bangalore)- Supply Chain Management, Logistics Management, Mathematical Modelling and Business Analytics.

Some of the key invited visiting Faculty are:

1. **Prof. Arun K Tiwari**, Managing Director & CEO, Indo-US Health Care Private Limited
2. **Dr. Eswara Rao**, M.S. (Gen. Surgery), Director, Health India Hospital Consultancy Corporation, Hyderabad
3. **Dr. K. Venkateswara Rao**, MBBS, DCH, Ph.D., FCIP, FIPHA, FAMS - Research Director, Innova Children Heart Hospital
4. **Dr. Zafer Hashmi**, MBBS, M. Phil. Hospital and Health System 'Management, CAS-RMO, Osmania General Hospital, Hyderabad.

In addition several local and international senior managers and management experts are regularly invited to interact with the students as Guest Speakers.

Entrance Examinations for various programmes offered by School of Management Studies

➢ **MBA-** Admissions for the MBA. 2017-18 batch, with an intake of 60 students is on the basis of CAT-2016. The admissions for MBA programme for the academic year 2017-18 are completed. Candidates planning to take MBA admission for the academic year 2018-19 are advised to check for admission notification in the months of August/September 2017. The notification would be advertised in popular newspapers and can also be accessed on the University website.

➢ **MBA (Healthcare and Hospital Management) -** An entrance exam would be conducted by the University. Entrance exam will be for 75 marks (comprising Multiple Choice Questions related to Logical Reasoning, Verbal Ability, Quantitative ability, Data sufficiency, Healthcare awareness, and General Knowledge). Candidates shortlisted after the written exam will be called for Group Discussion and Personal interview. The final offer would be made on the basis of performance in the written exam, Group Discussion and Personal Interview and the weightage for the written exam, Group Discussion, and Personal Interview will be 60%, 15 % and 25% respectively. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure. The previous entrance exam question papers can be accessed on the University library website at the following URL: http://igmlnet.uohyd.ac.in:8000/

➢ **MBA (Business Analytics) -** An entrance exam would be conducted by the University. Entrance exam will be for 75 marks (comprising Multiple Choice Questions related to Logical reasoning, Verbal ability, Quantitative ability, Mathematical ability, Statistical ability, Data analysis and Interpretation etc.) followed by Group Discussion and Personal Interview. Candidates shortlisted after the written exam will be called for Group Discussion and Personal interview. The final offer would be made on the basis of performance in the written exam, Group Discussion and Personal Interview and the weightage for the written exam, Group Discussion, and Personal Interview will be 60%, 15 % and 25% respectively. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure.

➢ **Ph.D. Programme-** Applicants (including Senior Management Professionals) satisfying the minimum qualifications will be required to take an entrance exam. Entrance exam will be for 80 marks (comprising multiple choice questions in Research Methodology, Logical reasoning, Analytical ability, Data analysis & Interpretation etc. for 40 marks and Principles of Management, Managerial Economics, Marketing Management, Accounting, Costing, Financial Management, Human Resources Management, Operations Management, Strategic Management, Business Statistics, Operations Research etc. for 40 marks). The entrance exam shall be qualifying with qualifying marks as 50% and the shortlisted candidates among the

qualified will be called for an interview. Applicants will be required to submit, along with the application, a brief tentative proposal (about 500 words) on their proposed topic of research. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure.

School of Medical Sciences

About the School

The School of Medical Sciences was established with a mission to "Promote, Nurture and Achieve excellence" in frontier areas of Medical and Health Sciences by offering novel teaching and research programs. The School collaborates with the School of Life Sciences, School of Management Sciences, School of Social Sciences, School of Economics, SN School of Communication and Performing Arts, and Centers of the University involved in Health Sciences research. The School has access to State-of- the art research infrastructural facilities of the Schools and Centers of the University. The School of Medical Sciences has several Adjunct, Joint and Visiting Faculty from the University and other Institutes who actively participate in the multi-disciplinary teaching and research programs. The School is now associated with two centres- Centre for Health Psychology and Centre for Neural and Cognitive Sciences.

Infrastructure

The school is well equipped with various optometry labs which include Contact Lens lab, Refraction lab, Low vision Lab, Binocular vision Lab. Public Health students are also trained in the University computer facilities for Data Management and undertake field visits to various Institutes for embedding the learning.The school has three central facilities for biomedical research and two functional research laboratories that focuses on Cancer Biology, Tissue regeneration, Hypertension and Pre-eclampsia.

Programs of Studies: The School offers the following academic program:

1. Integrated Master of Science in Optometry and Vision Sciences: The **5-year Integrated M.Sc.** course is designed to train the students in differentaspects of optometry and vision science and is backed upwith extensive practical skills and one year of mandatory clinical internshiptheir 4th year of training. The clinical internship can be undertaken at any of the recognized Institutions approved by the SoMS like LV Prasad Eye Institute, Hyderabad, Aravind Eye Hospital, Mehdipatnam, Hyderabad. Centre for Sight, Hyderabad, Pushpagiri Eye Institute, Swaroop Eye Hospital upon fulfilling the selection criteria of written test and or interview conducted by the clinical institution at the end of their third year. Some of the clinical institutions charge fees for internship and some pay stipend to the students doing clinical internship.
No of Seats: 20
Eligibility for the Master of Science in Optometry and Vision Sciences:
The eligibility for admission to the course is based on a written test. The written test paper based on XII Board syllabus will have a total of 100objective type questions in Biology, Chemistry, Physics and Mathematics.

2. Master of Public Health:
As the saying goes "Science discovers, Technology develops and Public Health delivers", the School of Medical Sciences of the UoH embarked on completing the cycle by an

innovative approach – the Master of Public Health program, which aims at imparting core public health competencies through this programme

The bench to bedside to brass-tacks" competencies are developed through this programme. The Master of Public Health, a two year interdisciplinary program, is offered by School of Medical Sciences in collaboration with other Schools within University of Hyderabad (School of Social Sciences, School of Management students, School of Economics, S N School of Performing Arts, Fine Arts & Communication) and conjointly with Indian Institute of Public Health (IIPH)-Hyderabad.The major objectives of the MPH program of UoH is as follows:

- Prepare professionals to work in public health in socially, culturally and economically diverse populations by being attentive to needs of vulnerable and disadvantaged groups.
- Promote public health research in institutional and field settings
- Train professionals for teaching /training posts in public health institutions for disability, community nursing and health project management.
- Promote qualities of leadership among public health professionals and effectively use communication skills for health advocacy.

Train professionals for teaching /training posts in public health institutions for disability, community nursing and health project management

Eligibility for applying for MPH

Bachelor's degree in Medicine, dentistry, Ayurvedic medicine, homeopathy, physiotherapy, occupational therapy, nursing, nutrition, pharmacology, veterinary sciences, agricultural sciences, social sciences or any other science degree.

Seats: 40: Regular -30; Sponsored- 10.

Selection:

Regular Candidates (30): Selection procedure for regular students is through annual entrance examination of the University of Hyderabad. The written test paper would be based on Bachelors degree syllabus in public health and allied specialtiesand will have a total of 100objective type questions covering basic medical and social Sciences.

Sponsored Candidates (10):Selection procedure for sponsored candidates will be based on the Merits of the application, Statement of purpose, and Interview performance.

The sponsored candidates should submit their applications through proper channel to the Controller of Examination, University of Hyderabad, on the date mentioned in the prospectus of the course year.The date of interview would be as per the Schedule mentioned in the Prospectus ..

Sponsorship criteria: As per existing UoH criteria, candidates can/may apply under the sponsored category if they fulfill the following criteria, **in addition to having the required minimum educational qualifications**:

- A minimum of 2 years' experience in a public, private or non-governmental organization in a role related to public health
- An undertaking from the employer certifying that the candidate, if admitted, would be given the necessary leave and financial support to complete the degree

Applications in this category must be forwarded through the employer and endorsed by the relevant authority in that organization

Sponsorship Fee: The sponsored candidate has to pay Rs. 1,00,000 per year, in additionto the University fees prescribed in the prospectus 2017-18.

3. Ph.Dprogramme: PhD in Health Sciences- 9 seats

The School offers Doctor in Philosophy (PhD) in 4 streams (Public Health= 2; Optometry and Vision Science: 3; Nursing = 2, Biomedical Sciences=2) with an intake of 9 candidates, and will follow all the regulationsas stipulated under the MHRD/UGC/Notification dated 5th May 2016 . The applicants can select only one stream.

(i)   Public Health: 2 seats

Faculty: Dr B R Shamanna
Candidates having interests in the areas of Public Health Research and health policy making, Non Communicable Disease epidemiology and implementation research are highly encouraged to apply for this stream.

(ii)   Optometry and Vision Science: 3 seats

Faculty: Dr Rishi Bharadwaj, Dr K V Nagaraju, Dr Geeta K Vemuganti
Candidates having interests in the areas of Binocular vision, contact lens research, dispensing optics, device development, ocular stem cell biology are highly encouraged to apply for PhD in this stream.

(iii)   Nursing: 2 seats

Faculty: Dr Varalakshmi Manchana
Candidates having interests in the areas of Adolescent Health behaviors, Geriatric health, Quality of life assessment and implementation research in non communicable diseases are highly encouraged to apply for this stream.

iv)   Biomedical Sciences: 2 seats
Faculty: DrAthar Habib Siddiqui, Dr Geeta K Vemuganti
Eligibility:
Candidates having interests in the areas of basic biological and biomedical research specially related to Clinical Biochemistry, cardiovascular research, stem cell biology and cancer biology are highly encouraged to apply for PhD in Medical Sciences.

Procedure for admission:
Selection process: Entrance Examination followed by Interview
Entrance Examination:
Admission shall be through an entrance examination for screening and interview for final selection. The Entrance Examination will carry a total of 80 marks and divided into 2 sections.

Section A - The entrance examination question paper will have 50 % of questions (40 questions) in Section A common to Public Health, Nursing, Optometry, Vision Sciences and Biomedical Sciences streams and will have be negative marking for 0.33 for every wrong answer .This section will have multiple choice questions based on general sciences aptitude plus analytical & basic research skills. Section B – specialty paper will not have negative marking will be divided into 4specialty streams, namely Section B1 for Public Health; B2 for Optometry and Vision Sciences; B 3 for Nursing; B4 for Biomedical Sciences and remaining (50 % - 40 marks) will be allocated for this. The candidate has to answer this separately depending on the choice of the stream. The final marks will be moderated in order to make available at least 6 screened candidates for each Ph.D seat to be filled in the individual streams of research study.

Interview will be the basis of selection of final candidates for the Ph.D program in the 4 streams offered to those who are successfully screened in for attending the interview by the entrance examination.

All other guidelines will be as per what is published in the prospectus of the University of Hyderabad 2017-18

Compulsory Course Work – 14credits including common courses and specialization related courses

<u>Faculty</u>
Professors
Geeta K Vemuganti, DCP MD(Path), DNB(Path), FAMS, FICP(Univ. of Rajasthan, Nizam's Institute of Medical Sciences, National Academy of Medical Sciences) Areas of Interest: Adult Stem Biology research, Cancer stem cells, Ocular tumors and Ocular infections

B R Shamanna. MD, DNB (MCH), DNB (SPM), MSc (Lon.) (Karnatak University, All India Institute of Medical Sciences, National Academy of Medical Sciences, University of London). Areas of interest include Health and Welfare Economics, Monitoring and evaluation of public health programs, implementation research, health technology assessment.,

Associate Professors

Athar Habib Siddiqui, PhD (AMU, Aligarh) – Areas of interest include Integrative physiology, Cardiovascular biology, Hypertension, Clinical Biochemistry
Mahadev Kalyankar, PhD (Univ. of Hyderabad) –Areas of interest include Diabetes, Insulin resistance and metabolic disorders
K Ajitha, MD(Community Medicine), (PhD Scholar). Areas of interest include disability studies, geriatric health of geriatric population
C.T Anitha, MD, MPH (Rajiv Gandhi University of Health Sciences, Univ. of South Florida, USA). Areas of interest include Food safety, Public health Nutrition, maternity and child health

Assistant Professors

Manchana Varalakshmi, **MSc** (Nursing), PhD(Nursing). Areas of Interestincludeadolescent and geriatrichealth, Child injuries, Quality of life assessment and implementation research in non communicable diseases

RishiBhardwaj, PhD (Vision Science), New Zealand. Areas of interestincludebinocular vision, neuralbasis of vision

Konda VenkataNagaraju , PhD (Optometry and Vision Sciences, Unv of New South Wales. Areas of interestincludecontactlensresearch, devisedevelopment and dispensingoptics

Centre for Health Psychology

Health Psychology is a holistic approach to Health and Wellbeing. The holistic approach shifts the emphasis of health from biomedical to biopsychosocial model. Health Psychology

is the field within Psychology that studies every aspect from wellness to illness. It focuses on health promotion and maintenance; prevention and treatment of illness; the etiology and correlates of health, illness and dysfunction, and improvement of health care system.

Placements

Almost all the students who completed their course in Integrated MSc & MSc Health Psychology have found good placements. About 50% of the students have joined Ph.D. in universities in India and abroad. The research scholars who completed PhD in Psychology have been placed in Universities and Colleges in teaching positions and in hospitals as Health Psychologists.

Prospects of Health Psychologists

- They are placed in Government and Private Sectors
- The nature of work involves creating awareness in health promoting behaviour and health risk behaviour, trauma and pain management, application of Indian health practices to enhance wellness
- They work independently as Consultant Health Psychologists
- They do research and examine the interaction of biological, psychological and social factors affecting health and illness
- They provide counseling for psychosocial problems which may be a trigger or consequence of an illness
- They develop worksite interventions to improve employee's health
- They work as consultants in organizations to improve health and health care delivery

About the Centre

The Centre for Health Psychology is the first ever Centre in the Country, and was established in the University in 2007. The research focus of the Centre includes bio psychosocial aspects of chronic illness, quality of life, ICU trauma, behaviourial cardiology, reproductive health, psychooncology, behavioural diabetology, occupational health, disability studies, resilience studies, ad positive health. Special emphasis is given to Indian approach to health and wellness.

Infrastructure

The Centre is equipped with Experimental Laboratory, Counseling Laboratory, Behaviour Technology Laboratory, and Sleep Laboratory. The Experimental Laboratory has modern instruments and more than 200 standardized psychological tests. The Counseling Laboratory is a state-ofthe-art laboratory to train the students in micro skills of counseling. The Behaviour Technology Laboratory trains students in relaxation therapy using Biofeedback, and other Behaviour Therapy techniques. The Sleep Laboratory is equipped with Polysomnography system to conduct research related to sleep.

Programmes of the Study

The Centre offers the following Courses:
- M.Sc. (5-year Integrated) in Health Psychology (with exit option – B.Sc. Psychology)
- Two-year M.Sc. in Health Psychology
- Ph.D. in Psychology

Entrance Examination

The Admission to M.Sc. (5-YearIntegrated) course in Health Psychology is based on the performance in the national level written test conducted by the University. The Admission to two year M.Sc. in Health Psychology and Ph.D. in Psychology are through a national level entrance examination (written test and interview) conducted by the University.

- The test for admission to M.Sc. (5-year Integrated) in Health Psychology will assess aptitude in Psychology and proficiency in English.
- The test for admission into M.Sc. Health Psychology will assess knowledge in Psychology and proficiency in English.
- The test for admission to Ph.D. in Psychology will assess knowledge in Psychology & Research Methodology.

Faculty

Professor

Prof. Meena Hariharan, Ph.D. (Utkal) – Stress & Coping, Behavioural Cardiology and Invulnerability **(Head of the Centre)**

Assistant Professors

Dr. G. Padmaja, M.A., M.Phil, Ph.D.–Counseling Psychology, Psycho-oncology and Health Psychology

Dr. Meera Padhy, M.A, M.Phil, Ph.D.–Developmental and Educational Psychology, Health Psychology, Behavioural Diabetology and Occupational Health

Dr. N. D. S. Naga Seema, M.A. Ph.D. – Reproductive Health Psychology, Developmental Psychology

Dr. SuvashisaRana, M.A. (Gold Medal), M.Phil. B.Ed. (SE-MR), LL.B., Ph.D. –Positive Psychology, Psychometrics

Dr. C. V. Usha, PGDCP, Ph.D. – Health Psychology

Ms. C. Vanlalhrauii, PG (Psychology), Ph.D. (Pursuing) – Health Psychology

Visiting Professors

Prof. N. C. Pati, Professor of Applied Psychology, PG Dept. of Applied Psychology, Chetana College of Special Education, RRL Campus, Bhubaneswar

Prof. A. S. Dash, Retd. Professor, Utkal University

Prof. A.K. Saxena, Retd. Professor of Psychology, SVP National Police Academy, Hyderabad

Dr. B. Sesikeran, Former Director, National Institute of Nutrition, Hyderabad

Dr. Saroj Arya, Retd. Clinical Psychologist, NIMH, Hyderabad

Dr. Susie Hariharan, Research Physician, Apollo Hospitals, Hyderabad

Dr. Gyanmudra, Head& Professor, Centre for Human Resource Development, NIRDPR, Hyderabad

Guest Faculty

Dr. K. Niranjan Reddy, Clinical Psychologist, Hyderabad

Dr. Durgesh Nandinee, Assistant Professor, St. Francis College for Women, Begumpet, Hyderabad

Centre for Neural and Cognitive Sciences

The Centre for Neural and Cognitive Sciences (CNCS) is a multidisciplinary research center affiliated to the School of Medical Sciences, University of Hyderabad offering research degrees in the areas of Neurosciences and Cognitive Sciences. At present, Centre offers PhD (Cognitive Science) and from this year has initiated MSc (Neural and Cognitive Science) courses. The Centre has four permanent faculties who specialize in Neurosciences and Cognitive Sciences and sub-disciplines therein with additional adjunct faculty from other centres and schools. The Centre has been actively participating both nationally and internationally over a period of time in training, collaboration and dissemination of knowledge in these areas. The Centre has conducted many national and international events over the years which have made the Centre and its work known to researchers and students widely. The Centre has excellent research facility to provide theoretical and experimental training to research students in the areas of Neurosciences and Cognitive Sciences; although with expansion in teaching and training requirements, more is needed in terms of research infrastructures keeping in account of this dynamically evolving field. The Centre's faculty members have excellent publication record in their respective areas of research and they constantly participate in international and national events that include workshops, symposia etc. The Centre has received research support from DST, DBT and other bodies over the years. The Centre's research and teaching activities have also been actively supported by many other faculties from different centres and schools of the University resulting in excellent cross fertilization of knowledge. The multidisciplinary nature of its research program has attracted students from different disciplines who wish to do research in Neuroscience and Cognitive Science.

Faculty members of CNCS:
Professor
Dr. Ramesh Kumar Mishra

Associate Professors
Dr. Sudipta Saraswati
Dr. Joby Joseph

Assistant Professors
Dr. AkashGautam

PROGRAMMES OF STUDY

MSc Programme in Neural and Cognitive Science:
This four semester programme is an interdisciplinary program which will provide students with strong foundation in experimental and theoretical approaches in Neural and Cognitive Sciences. The first year of program offers an opportunity to learn the basics of neuroscience as well as cognitive science, followed by advanced courses in either Neuroscience or Cognitive Science stream in the second year. Completion of a research project in final semesters is an integral component of this programme. Other than the coursework which will train you in linguistics, neurobiology, computer science, cognitive psychology and philosophy to inquire in to the nature of cognition and how brain functions, the course will

also train you in labs for measuring eye movements, making in vivo recording from single or multiple neurons, EEG measurements, carrying out neurogenetic manipulations, molecular neurobiology, high performance computing automated behavioral experiments.

Total number of seats: 16

Basic qualification:

a) Majoring in Neuroscience (Stream A): **8 seats**, Minimum prerequisite is Bachelor's degree with a minimum of 55% marks in any branch of Natural Sciences, Mathematics, Engineering and Computer Science; MBBS.

b) Majoring in Cognitive Science (Stream B): **8 seats**, Minimum prerequisite is Bachelor's degree with a minimum of 55% marks in any branch of Natural Sciences, Mathematics, Engineering, Computer Science, Social Sciences and Humanities; MBBS.

Entrance procedure: Entrance is through a multiple choice written exam (100 marks).The question paper will carry 100 objective type questions to be answered in two hours. There will be negative marking of 0.33 for every wrong answer. There are two streams, Neuroscience (stream A) and Cognitive Science (stream B). The question paper will have two sections, I and II, for each stream. First section is common to both streams and will be testing on numerical, verbal and logical aptitude (40 marks). Second section will be stream specific (60 marks). Applicant should only attempt one stream as per their basic qualifications. One cannot switch streams at the time of examination. There will be two merit lists based on the preference given at the time of application. Candidates are required to mention one of the following as their preference: (a) *Neuroscience* (including Neurobiology, Computational Neuroscience, etc.) or (b) *Cognitive Science* (which includes Philosophy of Language and Mind, Cognitive Psychology, Experimental Psycholinguistics, etc.).

Ph. D. Programme in Cognitive Science:

Total number of seats: 2

Basic qualification: There are different streams in which admission is done based on the availability of the faculty with corresponding expertise. This year the entrance will be done to the following streams from among candidates with the qualifying degree specified.

a)   Neuroscience (Stream A): No vacancies for year 2017-2018

b)   Cognitive Science (Stream B): 2 seats (Prerequisite is Masters in Psychology / Linguistics / natural sciences / computer science or BTech. in any Engineering discipline.)

The basic qualification is that the candidate should have at least 55% marks in their respective prerequisite exam.

Entrance Procedure: Selection will be on the basis of a written test followed by an interview.

The question paper will carry 80 objective type questions (80 marks) to be answered in two hours. There will negative marking of 0.33 for every wrong answer. In this year, there will be one stream, Cognitive Science (stream B). The question paper will have two sections I and II. First section will be testing on numerical, verbal and logical aptitude (40 marks). Second section will be Cognitive Science specific (40 marks).

Visit our website for more details on the course structure and faculty profile (https://sites.google.com/a/uohyd.ac.in/cncs), or (http://www.uohyd.ac.in).

School of Engineering Sciences and Technology (SEST)

About the School

School of Engineering Sciences and Technology (SEST) was established in the academic year 2008-09 with an objective to "impart research-oriented education and pursue high quality research in emerging multi-disciplinary areas encompassing science, engineering and technology". At present, SEST offers M.Tech. and Ph.D. programmes in Materials Engineering and in the near future, SEST intends to offer programmes in other frontier engineering disciplines. SEST provides an ideal environment to pursue cross-disciplinary research in engineering sciences and technology by taking advantage of the well-established facilities and expertise available within the School and on the University campus. SEST also collaborates with premier research institutions located in Hyderabad (namely DMRL, IICT, ARCI, NFC, NFTDC and RCI), most of which are also formally recognized as school's external research centres. The school has been recognized for its excellence by the DST with funding to the tune of Rs. 240 Lakhs under its FIST programme.

Programmes of Study

The School admits students to the M.Tech. as well as Ph.D. programmes in Materials Engineering.

The **M.Tech.** programme is of two years duration, of which the first two semesters will be devoted to course work. The curriculum lays emphasis on giving a broad exposure to all aspects of Materials Engineering, consistent with the interdisciplinary nature of the subject and students also take elective courses. The third and fourth semesters will be spent on a research project leading to a dissertation, which will have to be defended in a *viva voce* exam. Details of the course structure can be found on the University's website.

The **Ph.D.** programme involves carrying out research in the areas of interest to the faculty members of the School. The candidates have to undergo prescribed course work, the successful completion of which is a pre-requisite for confirmation of Ph.D. registration. After completion of coursework, the student will undertake research under the guidance of a faculty member of the School. The progress of the student is reviewed periodically by a doctoral review committee (DRC). Based on the recommendations of the DRC, research work can be carried out either within the University or at one of its formally recognized external research centres. The students are expected to actively participate in research seminars and submit progress reports of their research work. The Ph.D. requirements also include presentation of the research work in a comprehensive seminar prior to submission of the doctoral thesis and a subsequent oral examination in support of the thesis.

Faculty

Professors

M. Ghanashyam Krishna, Ph.D. (IISc, Bangalore) **(Dean-in-charge of the School)**

Dibakar Das, Ph.D. (IIT, Bombay)

Associate Professors

Jai Prakash Gautam Ph.D. (TU-Delft, the Netherlands)

Koteswararao Rajulapati,Ph.D. (North Carolina State University)

Pradip Paik, Ph.D. (IIT, Kanpur)

Vadali V. S. S. Srikanth,Dr.-Ing. (University of Siegen, Germany)

Assistant Professors

Raj Kishora Dash,Ph.D. (RPI, USA)

Swati Ghosh Acharyya, Ph.D. (HBNI, Mumbai, India)

Joint Faculty

M. Ghanashyam Krishna, Ph.D. (IISc, Bangalore), School of Physics

Chair Professors

J.L. Strudel, Ph.D. (Berkeley, University of California), Ecole des Mines de Paris, University Chair professor

Honorary Professor

Gerhard Wilde, University of Munster, Germany

Visiting Professor

V. S. S. Sastry, School of Physics, University of Hyderabad

Entrance Examination

I. Admission to M.Tech. in Materials Engineering:

Admission to the M.Tech. programme shall be based on :

1. A valid GATE score, in order of merit, in any of the following subjects: Mechanical Engineering; Metallurgical Engineering; Physics; Engineering Sciences, Chemical Engineering, and Production and Industrial Engineering.

Admission will be based on GATE scores, in order of merit. The number of seats in this category will be 18.

II. Regular Admission to Ph.D. Programmes in Materials Engineering:

Admission shall be based on a written test followed by an interview for short-listed candidates. The written test will consist of objective type questions. The syllabus for the test comprises of the typical syllabi of Indian Universities in Mechanical Engineering; Metallurgical Engineering; Physics; Engineering Sciences, Chemical Engineering, and Production and Industrial Engineering. of BE/B.Tech level and Physics, Chemistry, Life Sciences and Mathematics of M.Sc./B.Sc. level; and basic knowledge of numerical and computational methods and research methodology.

Course Work Requirements:
Candidates admitted to the Ph.D. programme will be required to undergo a mandatory core course work, besides any additional courses that may be recommended by the doctoral committee to meet the demands of their research.

III. External Ph.D. Registration:

The admission procedure shall be the same as that in the case of regular admissions to the Ph.D. programme.

Candidates admitted under this category shall be free to work at one of the School's formally recognized external research centres under joint supervision of a faculty member from the University and an approved Ph.D. supervisor from the recognized institution.

Candidates admitted will be required to undergo a mandatory one-semester of core course work, besides any additional courses that may be recommended by the doctoral committee to meet the demands of their research.

IV. Sponsored Candidates:

Candidates with requisite qualifications, and having at least two years of work experience in Government/Government recognized organizations (Universities/Colleges engaged in teaching and research, Government R&D institutions or R&D centres of industry) are eligible to apply under this category.

The work experience should be in the areas mentioned in the requisite qualifications.
Sponsored candidates are exempted from the written test but must attend and qualify in the interview.

The candidates should submit, along with the application, a written statement from the sponsoring organization to pay a sum of Rs.1,00,000/- (Rupees one lakh only) (one-time payment) towards the development fund of the department.

All requirements regarding course work etc. shall be the same as that in the case of regular admissions to the Ph.D. programme.

V. Foreign Candidates:

Foreign nationals seeking admission to the M.Tech./Ph.D. (Materials Engineering) programme should also possess the requisite qualifications as in the case of regular students. Candidates should have the ability to communicate in English and, in order to support this ability, a good score in TOEFL or a similar internationally recognized test is essential.

In addition, candidates should submit details of the course contents of the qualifying degree as well as letters of reference (along with contact information of the referees) along with their application.
The conditions given for sponsored candidates under materials engineering will be followed.

Research Areas

Faculty members of the School carry out research in areas such as functional ceramics, polymers and biomaterials, deformation behaviour of materials at all length scales, corrosion, electronic materials and nanostructures, surface and interface engineering and texture control in materials.

OTHER ACADEMIC CENTRES

College for Intergrated Studies (CIS)

Introduction

In the process of the fulfilment of the set objectives of the University and for imparting specialized education to the students after their +2 level of education, a College for Integrated Studies (CIS) was established in the year 2006-07 to offer 5-year Integrated programs in several disciplines leading to Master's Degree.

Courses offered by the College

The College offers Master's Degree (5-year Integrated) courses in Sciences, Humanities and Social Sciences subjects.

a) The medium of instruction is English for all the courses except the language programs which are taught in the language concerned. The students admitted to language programs are required to do some common courses, which are taught in English medium. Therefore, proficiency in English is essential.

b) All courses are full time regular courses. Exit option has been introduced for students admitted from academic year 2015-16. The distinguishing features of the exit option are:

   I. It is available at the end of three years in the case of IMA (Humanities / Social Sciences) / IMSc (Sciences) students. In the case of Integrated Optometry and Vision Sciences Programme the 'Exit Option' would be given at the end of fourth year.
   II. Students who exercise 'Exit option' at the end of three-years of IMA/IMSc will be given BA/B.Sc. Certificates. Students in Optometry and Vision Sciences will get a B.Sc Certificate in Optometry and Vision Sciences at the end of four-years.
   III. Students who do not exercise 'Exit option' will be given two degree Certificates – B.A/B.Sc and M.A./M.Sc at the end of five-years.

c) All eligible applicants will be called for the written test to be held at 37 centres, see Chapter 2. Proof of eligibility will be verified at the time of admission.

d) Written test for each of these programs is of two hours duration. It will consist of multiple choice (of four options) questions to be answered in the OMR sheet with black/blue ball point/sketch pen. The level of questions shall be consistent with +2 level of education. There is negative marking; each wrong answer shall be given -0.33 marks. Specific instructions will be given in question papers.

e) The minimum eligibility requirements and the schedule of written test for admission to the above courses are given in a tabular form at Chapter 2 of this Prospectus.

M.Sc. (5-year Integrated) Programs from the Science Schools.

The four Science Schools – School of Mathematics and Statistics, School of Physics, School of Chemistry and School of Life Sciences of the University offer Master of Science (5-year Integrated) programs, in Chemical Sciences, Earth Sciences, Mathematical Sciences, Physics, and Systems Biology, through the College for Integrated Studies (CIS). The programs are open to all students who have completed/expect to complete +2 stage with at least three of the four subjects (Physics, Chemistry, Mathematics and Biology) as their optionals with a minimum of 60% at +2 level. The admission to M.Sc (5-Year Integrated) in Sciences (Mathematical Sciences, Physics, Chemical Sciences, Systems Biology and Earth Sciences) will be through a common entrance examination. The entrance examination consists of a written test for 100 marks. The written test paper contains 25 objective questions each in Maths, Physics, Chemistry and Biology at +2 level.

The curriculum is common to all the disciplines for the first four semesters. Students with biology background at the +2 stage and who had left mathematics after the 10th class are expected to put in the required efforts to learn mathematics. Similarly students who left biology at the +2 stage are expected to learn biology. Please note that both Systems Biology and Earth Sciences require significant amount of Mathematics and Computation through out the 5-Year programme. The University offers bridge courses in the first semester to facilitate this process. The students spend first two years of their programs at the CIS. The students are transferred to their parent Schools at the end of the fourth semester.

The students are allocated the discipline (subject) of their choice at the time of admission based on their performance in the entrance examination and their preferences.

M.Sc. (5-Year Integrated) Program in Health Psychology

The Centre for Health Psychology offers M.Sc. (5-Year Integrated) program in Health Psychology through the CIS. Students who have completed or expect to complete the +2 stage with either Science or Arts subjects with a minimum of 60% marks are eligible to apply for the program. The students spend two years at the CIS and are transferred to the parent centre at the end of fourth semester.

The admission to the Health Psychology program is through a written test (100 marks). It includes aptitude test for Psychology at +2 level and test for proficiency in English.

M.A (5-Year Integrated) Programs from the School of Humanities

The School of Humanities offers Master of Arts (5-Year Integrated) programs in four disciplines: Hindi, Telugu, Urdu and Language Science. All students with a minimum of 60% marks at +2 stage are eligible to apply. The students spend the first three years at the CIS where they are exposed to the basics of several disciplines to provide them a broad foundation. They are transferred to their parent departments/centre at the end of the sixth semester.

There will be a common entrance test for admission to M.A (5-Year Integrated) in Humanities. The written test carries 100 marks. The question paper will be objective type consisting of three Parts: A, B, and C. In Part A, there will be 40 questions of one mark each to test the competence in the concerned subject to which a candidate seeks

admission. Part B will have 35 questions of one mark each to test competence in English. Part C will have 25 questions of one mark each to test the competence in the current affairs and general knowledge. Candidates should choose concerned subjects (Telugu, Hindi, Urdu and Language Science) in Part A according to their options. Questions in Parts B and C will be in English. The questions in Part A will be in English for Language Science candidates and in Telugu/Hindi/Urdu for those who opt for Telugu, Hindi and Urdu respectively. Candidates will be eligible for admission, only to the subject that they choose for Part A of the written test.

M.A (5-Year Integrated) Programs from the School of Social Sciences and School of Economics

The School of Social Sciences offers Masters of Arts (5-Year Integrated) Programs in four disciplines: Anthropology, History, Political Science, and Sociology. The School of Economics offers M.A (5-Year Integrated) in Economics. All students with a minimum of 60% at +2 level are eligible to apply. The students spend the first three years of their program at the CIS. They are transferred to their parent schools and departments at the end of sixth semester. The final two years of the I.M.A. (5-Year Integrated) in Economics programme are common with the M.A. Economics programme or with M.A. Financial Economics programmes allotted as per their choice at the end of three years.

There will be a common entrance test for admission to the M.A (5-Year Integrated) program in Social Sciences and Economics. Written test carries 100 marks divided into four parts (of 25 marks each) consisting of the following: Part A: Social Studies and General Awareness; Part B: Language and Comprehension; Part C: Reasoning Ability; and Part D: Quantitative Aptitude.

The students are allocated the discipline (subject) of their choice at the time of admission based on their performance in the entrance examination and their preferences.

Selection Procedure

The following procedure shall be followed for selecting the candidates for different Master's Degree (5-Year Integrated) courses:

a) All eligible applicants will be called for the written test to be held at 37centers see **Chapter 2**.
b) The written test will be in the form of objective type questions of +2 standard; it will be for two hours duration to be answered in the OMR sheet with black/blue ball point/sketch pen. There is negative marking for wrong answers. Specific instructions will be given in the question paper/answer book.

The following criteria shall be followed, one after the other, to resolve the ties, when more than one candidates secure the same total marks in the entrance examination:
(a) *First criterion*: Marks obtained in the entrance examination (written test).
(b) *Second criterion*: Marks obtained by the candidates in the qualifying examination at (+2 level). If the final result is not available, then the marks upto the 1st year will be taken into consideration.
(c) *Third criterion*: Marks obtained in the next lower public examination (SSC/Matriculation or equivalent). Candidates whose result of the qualifying examination (+2 stage) is not declared may also apply for admission, see **Chapter 2**.

Centre for Modelling Simulation and Design

PREAMBLE:

The study of passage from the micro world of atoms and molecules to the macro world of solids, liquid and gases calls for an understanding of a variety of phenomena in physics, chemistry, biology, technology and related areas. Atomic lasers, molecular computers, drug-receptor interactions, industrial catalysts, lubricants, and industrially important materials form part of this continuum and an understanding of this evolution needs all the three components of research, viz. theory, experiment and computation. Computer-based simulations now form an integral part of modern research methodology and in this era of science-driven-engineering and directed basic research, the role of scientific research, based on modeling, simulation and design, is of paramount importance. The primary requisite in using the third avenue of research for solving complex problems is a working, state-of-the-art High Performance Computing (HPC) center.

The University of Hyderabad, having expertise in many of the above areas, fully appreciates the inter-dependence of Science, Engineering and Technology, and launched a uniquely conceived new programme of higher education and research. This initiative was launched through an imaginative programme of the UGC (recognizing the
University for its Potential for excellence) by establishing a designated Centre for such activity (Centre for Modelling Simulation and Design – CMSD). This programme has been receiving generous support from DST under its FIST program.

CMSD aims to nurture cross-disciplinary bridges, which are effective in generating new knowledge and creative explorations. The human resources generated from such efforts will be invaluable. Training individuals and organizations in specific hardware and software, undertaking of consultancy and turnkey projects, help convert real life phenomena into appropriate mathematical and computational models etc., are some of the important tasks that CMSD has embarked on. This Centre became operational from its new premises in December 2004.

One of the unique academic features of this Centre is that all the active computational scientists working in widely different academic disciplines in the University Campus are Associate Faculty of the CMSD, and contribute their expertise and experience in furthering its academic objectives. Some of the research interests of these Members include: Physics of low dimensional systems, Topological defects in in fluids in restricted geometries, Critical phenomena in complex fluids and magnetic systems, Monte Carlo simulations and development of novel sampling techniques, Genomics and bioinformatics, Protein folding, Cognitive neuroscience, Computational intelligence, Natural language understanding, Very

Large Scale Integration (VLSI), Quantum chemistry and Density Functional Theory, Molecular modeling, Drug design and delivery, Design of new materials etc.

Short term courses have been so far conducted in the areas of Parallel Computing, Monte Carlo simulation, molecular modeling etc.

CMSD has been involved, over the past few years, in promoting and fostering multidisciplinary research programmes in *Advanced Computational Methods,* with focus on the core areas of Physics, Chemistry, Biology, Engineering Sciences and Computer Sciences, besides interest in related research areas like Finite Element Analysis as applied to Nanotechnology, Computational Fluid Dynamics, Ocean-atmosphere-climate Modelling, HighEnd-Visualization/Virtual Reality, Modelling and Simulation of large/complex Systems, etc.

COMPUTATIONAL RESOURCES at the CMSD:
Currently, CMSD is a 30.0 Teraflop Facility which is fully networked and consists of the following hardware:
· 6 SMP Systems with total of 192 CPUs [1 x IBM p690 (32 Power 4), 3 x IBM p690 (96 Power 4+), 1 x IBM p595 (64 Power 5)], 1 x IBM p595 (64 Power 5+) @ 2.3 GHz, 512 GBytes of main memory and 4 TBytes of storage.
· A CDAC PARAM SUN cluster consisting of 16 nodes (each with dual xeon processors) and 32 GB memory.
· High end workstations such as 6 x SGI Octone 2, 2 x SUN Blade 2000, 6 x IBM Intellistations etc.
· SGI Altix 4700 a 128 core (Dual Core, Itanium2
  9150M 1.67 GHz) shared memory architecture based Unix server comprising of 512 GB RAM
· SGI Altix ICE 8200 EX Cluster [Enhanced] with 1024 core high performance, high throughput and high availability cluster comprising of 1 GB/core memory, built using Infiniband Interconnect.
SGI XE1300, 2 x Quad core @ 3.0GHz, 4 GB RAM, 146 GB HDDA 128 core Windows CCS/HPC Cluster.
· SGI IS4600 x 2, 100 TBytes of shared Storage system (FC, SATA) for delivering very demanding data intensive environment, leading to High Performance & Productive Computing Facility, through SGI Altix 450 x 2, 8 core, 48 GB RAM, Montvale 1.67 MHz storage servers.
· SGI Spectra T120 Library, 2 x LTO Gen-4 Drives scalable to 6, Spectralogic 100 slots and 60 units of Media, a good tape backup system to archive data with time stamping.
· Management Servers: SGI Altix 250 SERVER x9
  (2U), 2 x Quad core, E5472, 3.00 GHz, 1600 FSB, 12MB Cache, 8GB RAM, 6 x 145GB SAS HDD/15K
· Parallel file system to allow bulk I/O operations.
· IBM POWER 7 - 755 Server with - 4 x 8 core 3.3
  GHz Power 7 Processor, 2 x 146 GB DASD, 128 GB
  DDR3 RAM, Dual port 12x Infiniband HCA, 2 port 10/100/1000 Ethernet PCI Adapter, Primary OS – AIX – 16 Nos.
· IBM StoreWize V7000 based Storage with 60TB
  RAW Storage Capacity (30 x 2 TB Disks)
· One TeraFlop HPC Pedestral Server
CPU (40 Cores): 10 x Intel E3-1225v2, 3.6 GHz Max Turbo, Quad-Core Processors (64-bit), 8MB Cache supporting AVX, SSE4.1, SSE 4.2, Security instructions and VT

extensions for Virtualization **Graphics**: Directx 11 with OpenGL 3 Graphics Kernel clocked at 650 base / 1250 MHz dynamic, 16 Unified
Shader Units (EUs) with 1700MB Max Graphics RAM (P 4000)
Memory: 20GB DDR3 1333MHz (Inbuilt)
Memory Expansion:Expandable up to 160GB
HDD Storage: 1 x SATA Internal 500GB 7200 RPM (Inbuilt)
Solid State Storage: 320GB SSDs expandable (Inbuilt)
LAN: 10 x RJ45 Gigabit LAN with Diskless Booting Firmware
OS Support: Windows, Linux and Android (Multi-boot option)

To support various application domain areas the following software are deployed on the above hardware: Accelrys Suite, Gaussian 2003, MOPAC, Relibase+, Molpro, ADF, GCG Wisconsin, SPSS, Mathematica, Statistica, GAMS, RATS, Matlab with toolboxes, CFX 5.7, 3D Studio Max, iSIGHT Pro, BOS, BEAMPRO, GAMESS, SPARTAN 2003, NAG Fortran SMP Library, Empire 3D V4.2, Ansys Multiphysics, AWR (Microwave Office), Full Wave Sonnet, ArcGIS, ArcMIS, Cadence, ISATIS, TURBOMOL, Image Processing S/W like ERDUS, etc.

VISUALIZATION FACILITY:

- NVIDIA Quadro FX 5600 Active Stereo Graphics
  Card ○   Windows XP Professional ○ 750GB SATA Disk Drives ○ 22"
    CD Monitor
- SGI Image generator – VN200 system,
    - DVD Drive, 2xGbE Ethernet,
    - Two quad-core Intel Xeon E5462 2.8GHz processors
    - 16GB DDR2 800 REG ECC Memory ○ NVIDIA Quadro FX 5600 Active Stereo
      Graphics Card ○   SLES10 Linux ○   160GB SATA Disk
    Drives ○   22" LCD Monitor
- Christie Mirage HD6 3chip stereo DLP projector and
  Lens
- Screen – 9ft x 6ft fabric
- Crosspoint 450 Plus 84HVA Matrix Switcher RGB for
  Video & Stereo Audio
- Video and Audio interface – Extron RGB109
- Audio Amplifier
- NuVision Active Stereo Glasses
- NuVision Stereo Emitters (mid range)
- Wireless AMX control system
- CEI Ensight Application Software
- Remote Visualization Software Single User

Dr. Siba Kumar Udgata, Professor of the School of Computer/ Information Sciences is the **Professor-in-Charge of the Centre.**

Centre for Distance and Virtual Learning

The Centre is one of the oldest centres of the University of Hyderabad which was officially established in the year 1994, based upon the directions received from the UGC and MHRD. The Centre initially started with two diploma programmes. Presently it is offering Fifteen One year Post Graduate Diploma Programmes, which are employable, knowledge oriented and skill developing programmes. These programmes are offered through distance mode, i.e., correspondence cum contact programme. Most of the students are working employees, from

various state and central government offices, few are IAS and IPS Officers lawyers, magistrates; some are executives from multi-national companies, corporate sectors, NGOs and also housewives. These distance programmes are also approved by the UGC-AICTE-DEB joint committee. In order to maintain the standards in the quality of teaching in distance courses, the regular faculty from the University have put their best efforts in designing the courses, framing the syllabus, development of study material and conducting the contact classes. The regular faculty are also involved in the examination and evaluation process. Though there is lot of demand all over the country for these courses, the university has not permitted to any study centres as the quality of teaching at the study centres will differ from the main campus. The students of these programmes have to attend 6 to 10 days for the contact classes once a year and except for some management courses, where the classes are twice in a year.

Programmes of study and eligibility:

S.No.	Programme	Eligibility
1)	PGDPM – Post Graduate Diploma in Project Management	Any graduate from a recognized University
2)	PGDLAN – Post Graduate Diploma in Library Automation & Networking	Any graduate in Library Science from a recognized University
3)	PGDCL&IPR – Post Graduate Diploma in Cyber laws & Intellectual Property Rights	Any graduate from a recognized University
4)	PGDBM – Post Graduate Diploma in Business Management	Any graduate from a recognized University
5)	PGDCE – Post Graduate Diploma in Communicative English	Any graduate from a recognized University
6)	PGDCJ&FS – Post Graduate Diploma in Criminal Justice & Forensic Science	Any graduate from a recognized University
7)	PGDG – Post Graduate Diploma in Governance	Any graduate from a recognized University
8)	PGDHR – Post Graduate Diploma in Human Rights	Any graduate from a recognized University
9)	PGDTSH – Post Graduate Diploma in Translation Studies in Hindi	Any graduate with Hindi as one of the subjects from a recognized University
10)	PGDTC – Post Graduate Diploma in Telecommunication	Any graduate with Maths and Physics or Electronics as subjects from a recognized University
11)	PGDMB – Post Graduate Diploma in Medicinal Botany	Any graduate from a recognized University
12)	PGDCAQM – Post Graduate Diploma in Chemical Analysis and Quality Management	Any graduate with Chemistry or B.Pharmacy as one of the subjects from a recognized University
13)	PGDENM– Post Graduate Diploma in Energy Management	Any graduate from a recognized University
13)	PGDTMA- Post Graduate Diploma in Technology Management in Agriculture	Any Graduate (or) Graduate from a Recognized University with two years' experience

14)	PGDTTM – Post Graduate Diploma in Telecom Technology & Management	Engineering Graduate and Post Graduate in ECE/ECT information and Communication Technology (ICT) braches, M.Sc. Electronics(OR) Other Engineering Graduates and B.Sc Electronics with 2 Years' experience in Communication Field.

The programme mentioned at S.No: 13 & 14 jointly offered by NAARM & BSNL respectively.

Faculty:

Director   Prof. S. Jeelani
Specialization Pharmacognosy and Environmental Sciences, Vegetation Identification by using Satellite image data and Technology based Education.

Academic Coordinators:
Prof. Panchanan Mohanty, Dean, School of Humanities, PGDCE
Prof. B. Raja Shekhar, Dean, School of Management Studies, PGDBM
Prof. I. Ramabramham, Dept. of Political Sci., PGDG
Prof. K. Seshagirirao, School of Life Sciences, PGDMB
Prof. Rajeev Wankar, School of Computer Information Sci., PGDCL & IPR
Dr. Chetan Srivastava, School of Management Studies, PGDENM
Prof. A K Panda, School of Chemistry, PGDCA&QM
Prof. S. Chaturvedi, Dept. of Hindi, PGDTSH
Dr. S.V.S. Nageswara Rao, School of Physics, PGDTC
Dr. Mary Jessica, School of Management Studies, PGDPM
Dr. Vartharajan, Librarian, IGM Library, PGDLAN
Dr. R Ramdas, Dept. of Political Sci., PGDHR
Dr. Gandhi P.C. Kaza, Truth Labs, Hyderabad PGDCJ&FS
Dr. C Raghava Reddy, Dept. of Sociology, PGDTMA
Dr. Samrat. L . Sabat, School of Physics, PGDTTM

Entrance Examination specific information (if any):

Since these are only Diploma Programmes, there is no entrance test. The admissions are based on Merit, Past Academic record and professional experience. Reservation exists in respect of candidates belonging to SC/ST/OBC/PH categories. Those pursuing Post Graduate degree courses in the University, Institutes/colleges can seek admission to these programmes. Students who are admitted to these programmes can also pursue full time or part time courses.

Any other information (if any):
As per the new MHRD and DEC, New Delhi, Guidelines, the centre has made all efforts for ICT based learning. It is in the process of developing a Virtual lab and Virtual class room for the students. It has converted all its study materials in to the soft copies for the easy accessibility to students.

The Centre has also developed a Virtual Computer Laboratory and Virtual Class Rooms in the Second Floor of the CDVL at Golden Threshold Campus. For details the students can contact Centre for Distance and Virtual Learning, University of Hyderabad, G.T.Campus,

Nampally Station Road, Abids, Hyderabad – 500001, Phone: 040-24600264, Website: www.uohyd.ac.in, E-mail: cdvl.uoh@gmail.com

Human Resources Development Centre

Introduction: Established in 1987, as a major initiative in augmenting quality in Higher Education, the UGC promoted 66 Academic Staff Colleges. In continuation of knowledge enhancement, new strategies of governance for promotion of innovations and creativity, the XII Plan guidelines have been proposed to transform the existing academic staff colleges into Human Resource Development Centres. In view of this change, the **Academic Staff College** is now called as **UGC- Human Resource Development Centre (HRDC).**

Infrastructure: The strength of this unit lies in the University of Hyderabad that harbors**12** Schools, **46** Departments, and approximately **400** faculty in different disciplines that include Humanties, Social Sciences and Sciences. University is rated as # 3 among the Indian Universities by Ministry of Human Resource and Development (MHRD). Please visit the University Website (http://www.uohyd.ac.in/). University faculty is well trained/experienced both in teaching and research, and many of them earned national and international recognition. The faculty generates a very high amount of extramural research grant. Science Departments, specially, have all the latest equipment to pursue the research in upcoming and established areas of research. The University has an excellent library, instrumentation and computer facilities. In addition to having access to all these excellent infrastructural facilities of the University, HRDC has a good library of its own with 3780 books, several journals and magazines and a good computer laboratory with 50 systems which provides hands-on experience on MS Word, Power Point, Web Design, SPSS, e-Content, Wikipedia. MOOC and MOODLE to participants. Please see below the **Academic staff** at the Center.

Accreditation: National Assessment and Accreditation Council (NAAC) Peer Review Committee from Ministry of Human Resource Development (MHRD) visited UGC- Human Resource Development Centre (formerly Academic Staff College) during January 19 – 21, 2012 for peer reviewing of its activities and accredited and given this UGC- Human Resource Development Centre (formerly Academic Staff College), University of Hyderabad as First rank in South India and Fourth rank in all over India.

Courses offered: The Center offers various Programmes/ Courses that include

a) **Orientation Courses** (**OC**) for a period of **four weeks** to train faculty in various Universities to understand the importance of linkage between education and society development, philosophy of education and paedogogical skills, research methodology /computer literacy and personal skill development

b) **Refresher Courses** (**RC**) for a period of **three weeks** in Sciences and Social Sciences to update the teachers with recent developments in their concerned disciplines

c) **Short term courses**, **not exceeding five days** that include professional development courses for newly joined faculty, administrators, principals, technical officers and librarians; and
d) **Seminars, Workshops and Conferences** in Science and Technology not exceeding one-two days on defined themes.

Till March 31, 2017, the Human Resource Development Centre has conducted a total number of 321 Courses, which include 97 Orientation Courses and 224 Refresher Courses. The training imparted by the Human Resource Development centre has benefited around 11304

teachers from different states of the country since its inception. Apart from training, faculty is also taking up the teaching assignments and research guidance in their respective departments. UGC, New Delhi however defines the courses offered by the center yearly and the Center implements them. The courses approved by UGC and are being conducted by the center in the current year can be seen under the **schedule 2016-17.** Approved courses will be conducted as per schedule subject to a minimum number of 30 candidates.

Academic Staff of the Center:
Y. Narasimhulu, Ph.D (SV.Univ)
Director, UGC-HRDC, University of Hyderabad: (on EOL upto 14.04.2018)
Specialisation : Non-linear Differential Equations, Differential systems
Research Focus: Mathematics, Higher Education, Human Resource Management, ICT in Education, Educational Management

Kolluru V A Ramaiah, Ph.D (JNU)
Director In Charge
Professor, Department of Biochemistry, School of Life Sciences, University of Hyderabad
Specialization: Molecular Biology, Gene Expression,
Research Focus: Translational Regulation, and Unfolded Protein Response

S. Sudhakar Babu, Ph.D (HCU)
Associate Professor, UGC-HRDC, University of Hyderabad
Specialisation: Public Policy, Equality of Opportunities and Dalit Studies, Public Policy for Good
Governance, Policy Studies, Civil Society, Training and Higher Education.
Research Focus: Training, Higher Education and Literacy.

In addition to its in-house faculty, as mentioned above, HRDC at the University of Hyderabad, invites a number of resource persons from various Schools in the University of Hyderabad and also from other Universities, training and research institutions, based on the recommendations of the respective course coordinators who are again drawn from various Schools of the University of Hyderabad.

Eligibility: Interested participants may check their eligibility under the section describing
The Center offers free boarding and lodging to participants attending the above courses and also TA to eligible participants attending Refresher and orientation courses. In case of eligible participants, who are not interested to using the free boarding and lodging facilities, the Center will pay @ Rs300/per day.

Interested Participants can reach us by phone or email.

Email: hrdcuoh@gmail.com

Phone: 040-23132713; 040-23010834

ACADEMIC & STUDENT SERVICES

1. INDIRA GANDHI MOMORIAL LIBRARY:

The Indira Gandhi Memorial Library is a central facility providing information support for academic and research activities of the University. The Library was established in the year 1975 and shifted to the present building during 1988, inaugurated by His Excellency Dr Shankar Dayal Sharma, the then Vice-President of India and named after Late Prime Minister Indira Gandhi. All the in-house Library Operations are fully computerized including the Web OPAC using the international Library Management Software Virtua supplied by VTLS Inc., USA. The UGC-INFLIBNET has identified the Library as one of the 26 document delivery centres in India for providing photo copies of journal articles to the research scholars of other Universities. Since 1990, the Library has achieved several distinctions in the country:

a) The IGM Library is the first University Library to computerize all in-house operations.
b) The first Library to computerize other Libraries (Baba Saheb Ambedkar Open University, A.P., and State Central Library, Hyderabad, A.P.)
c) The first University Library to start PGDLAN Course under Distance Education mode since 1998
d) The first University Library to subscribe to Electronic e-journals and databases.
e) National Board of Higher Mathematics (NBHM) has identified this Library as Regional Library for Southern Region.
f) The first University Library to establish a Centre of competency in digital libraries and e-learning with the assistance of SUN Micro systems and UGC.
g) The first University Library to install 3M Security Gate to avoid book thefts.
h) The first University Library to become a governing member of OCLC, USA.
i) The first University Library, to install 100 KVA solar power system

The Library is kept open from 8.00 AM to 12.00 Mid-Night on week days and 9 a.m. to 5.30 p.m., on Sundays and other Holidays and 8.00 AM to 8.00 AM during summer/winter vacation. During Examinations period, it is kept open till 2.00 AM

2. Library collection:

The Library has rich collection of 4.3 lakh books, e-journals, e-books, reference books, serials, theses & dissertations, back volumes of journals, maps etc. The Library has a separate book bank for SC/ST students and 2500 braille books for visually challenged students. Apart from this, the Library has received 12,202 books as gift from various sources worth approximately Rs.4 lakhs. The Library had renewed subscriptions to 222 plus print journals and 48 plus databases covering more than 40,000 e-journals.

3. Computerization:

The Library has excellent IT infrastructure to manage all in-house operations as well as to provide specialized information services to the faculty and students over the Campus network. The hardware consists of IBM servers, storage devices, ZEUTSCHEF book scanners, hand-hold laser scanners, laser printers and 60 PCs. The Library is using VIRTUA application software and operating systems like SOLARIS, UNIX/LINUX, WINDOWS XP

and WINDOWS-7. The Library uses barcode scanners for issue, return and renewal of books for accuracy and efficiency. 24 PCs are placed at the entrance Lobby for OPAC, e-mail and internet browsing. Similarly, 8 PCs are kept in the Library reading halls exclusively for searching of book data bases. The Library is connected to the Campus Network through 100 mbps optical fiber channel. The Library resources can be searched over the internet through OPAC. The Library is enabled with WI-FI connectivity for the use of laptops.

4. Digital Library:

The IGM Library has established a model digital Library by signing MoUs with SUN Micro Systems and VTLS, USA. Under these MoUs, a Centre of Competency in Digital libraries and e-learning was established to undertake R & D activities by using Open Source Software and to create digital content in the University. Currently this facility is being used for conducting hands on training and practical classes for PGDLAN students. The Library is also a member of Universal digital project of Carnegie-Melon University, Pittsburg, USA(Million books to the Web). Under this project, a scanning centre was established in the Library to digitize rare books. The Library has signed MoU with UGC-INFLIBNET Centre, Ahmedabad, to digitize and upload full text Ph.D. theses submitted to University of Hyderabad. Already 1240 Ph.D. theses were digitized and uploaded to UGC-INFLIBNET project Shodh Ganga. The Library is also making efforts to establish ETD Lab. to digitize the remaining theses and upload to Shodhganga under special grants provided for this purpose by INFLIBNET.

5. Readers Services:

Every year, ,35,000 lakh book transactions are made at circulation desks, i.e., issues, renewal and returns. Around 1500 visitors from other Universities and research laboratories visited the library for reference. The inter-library loan requests of the students, research scholars and faculty are being fully met with close co-operation from the local libraries. The Library has supplied 110 articles under the Document Delivery Service to research scholars of other Universities. Library orientation programmes are conducted to new students to familiarize them with the Library services, resource and rules. The Library is also conducting orientation programmes on Research methodology for social science research scholars. The website is meticulously designed with several e-resources, helpful to the Library user community.

6. Institutional membership:

Twenty Research and Development Centres and Corporate organizations have enrolled/renewed themselves as institutional members by paying the prescribed annual membership fee, to make use of the Library resources and facilities.

7. Reprography services:

The IGM Library provides reprography (photocopying) service inside the Library to all its members. A private firm has been engaged for this service during the working hours to all the library users at a nominal charge of Rs.0.50Ps. On an average, 10,000 photocopies are taken out every day.

8. Facilities for the visually challenged:

Visually challenged students have access to library resources through 5 multimedia PCs with JAWS' and' Krizwel' speech synthesizer software, which enables to read-out the documents placed on the scanner. In addition, two workstations with Zoomex, readers are added to scan

and convert image into text on the screen to enable the students to hear and also save the text. This facility is extensively used by the visually challenged students to read and print without anyone's help. A separate Braille printer is provided for printing regular text in Braille.

9. Air-conditioned 24 x 7 Reading Halls:

The IGM Library has two separate reading halls next to the library, which are fully air-conditioned and kept open round-the-clock. Students can bring their personal books, issued books from the Library and study in these halls without any disturbance. These reading halls have the capacity to accommodate 200 students at a time, and it is being used extensively. The reading halls are enabled with wireless network points, where students can search/browse e-journals subscribed by the library from their Laptops.

10. PG Diploma in Library Automation & Networking:

The IGM Library under the agies of the University Centre for Distance and Virtual Learning Started a highly focused one year course – PG Diploma in Library Automation and Networking (PGDLAN) in January, 1998. This course is the first of its kind in the country, where a University Library is conducting an advanced level course under Distance Education mode. Around 80-100 students are admitted every year.

Central Instruments Laboratory (CIL)

Central Instruments laboratory (CIL), is a central facility with state of art analytical Instruments to cater to the needs of the Science Schools and other institutions. The list of instruments at CIL covers broad based fields viz., microscopy, diffraction based and magnetic property measurement and these Instruments can also be used round the clock. The list of instruments are : Environmental Scanning Electron Microscope (SEM) with Energy Dispersive Spectrometer, Powder X-Ray Diffractometer (XRD), Vibrating Sample Magnetometer (VSM), Electron Spin Resonance (ESR) Spectrometer, Differential Scanning Calorimeter, Protein Sequencer, HPLC based high performance Amino Acid Analyzer, Circular Dichroism (CD) Spectrometer, Differential Scanning Calorimeter (DSC), Thermogravitometer-DTA (TG-DTA).

The areas of specialization of the CIL include Mass
Spectrometry, Radiation Spectroscopy (X-Ray, UV-VISIR), Microscopy, Advanced Electronics, Design and Development of Microprocessor and Microcontroller – based Systems, Embedded Systems, Advanced Instrumentation systems design and maintenance.

Computer Centre

The Computer Centre was established in the year as a central facility. It was established to facilitate, foster and support the essential teaching and research goals of the University of Hyderabad through deployment and delivery of computing and communication services to the University's faculty, students, officers, and staff. To assist research, there is a wide range of computing environment available, backed by staff with considerable expertise to assist researchers. Currently the Centre has systems, which provide Windows and Linux environment to the users.

The Centre is having Internet/Email, programming, and word processing rooms to enable users to execute various tasks. The Centre has several Pentium systems. The Centre also has Color and Black/White Laser printers, Scanners, LCD Projector.

The Computer Centre also conducts short term courses/workshops which are relevant to the academic activities of the community as well as to enhance the skills of office automation among non-teaching staff.

The Computer Centre offers advice and consultancy to users and assist in solving problems of users might have on their equipment.

Health Care

The University Health Centre, managed by a team of doctors, supported by nurses / para medical staff caters to the basic Out Patient treatment and few beds for emergency Inpatient treatment. The health Centre has an X-Ray Unit, an ECG machine and laboratory for conducting various clinical investigations. Physiotherapist will be available on specific days. The services of a **Student Counselor** is available near the Chief Warden's Office. Round-the-clock **Ambulance** facility is available for emergency purposes in addition to the Emergency Ambulance (108) provided by the Govt. of Telangana.

At the time of admission every student shall submit a physical fitness certificate and also **an undertaking to the Health Centre, signed by the parent/guardian to the effect that "any hospitalization/medical treatment expenses shall be borne by the parents/guardians of the student concerned and the university is not responsible for treating the major diseases/ailment occurred while pursuing studies in the University."**

However, the University will assist them in providing a Medical Insurance Card (valid for one year) from a standard insurance company, which they may use for hospitalization.

Hostel Accommodation

There are altogether 21 hostels on the campus, of which 13 are for men and 8 are for women. Foreign students, unless they opt not to, are accommodated at the Tagore International House.

In view of increased intake and paucity of Hostel accommodation, the University will try to accommodate all students admitted into various programmes / courses needing hostel. However, hostel will be allotted to students based on the distance from their present place of residence with sufficient proof.

No hostel accommodation will be provided to the students admitted from the places within the limits of 50 kilometers of distance.

The hostel accommodation will be provided subject to the availability of seats in the hostels for a maximum period of PG course -02 years; MCA. and MPA Theatre Arts -03 years; M.Phil.-1½ years; Ph.D. up to 05 Years; Integrated Masters -05 years. **In no case, the stay will be extended beyond the above stipulated period.**

The students are required to submit 'proof of nativity' at the time of hostel admission. They can submit a 'Nativity/Residence Certificate' issued by the Revenue Officer/ Tahsildar or

any other relevant certificate issued by competent authority of their respective native place as proof of residence.

Mess facility attached to different hostels is compulsory and is completely managed by the inmates. Even if a boarder does not avail of the mess facility, a certain minimum charge will be levied as decided by the Chief Warden from time to time. The average vegetarian monthly mess bill at current prices (Breakfast, Lunch and Dinner) works out to approximately Rs. 1600/-. The rules and regulations are mentioned in the Hostel Hand Book which gets periodically updated at the University's website. The hostel handbook is binding on all boarders.

Students Welfare

The office of the Dean Students' Welfare looks after the welfare other related issues of the students with the active support from the elected representatives of the Students' Union body, Chief Warden, Wardens, IIC (GS-CASH), Proctoral Office, and coordinators of programmes like NSS, Remedial coaching, JRF coaching and Competitive examinations coaching. A Student Counselling Service by professionals is available with the DSW office. In case of any student requiring parental help/guidance, his/her parents will be informed accordingly.

There is a Students' Union which caters to the students' interests and promotes cultural and sports activities. The elections to the Students' Union are conducted/ coordinated by the DSW office.

Discipline among students
All powers relating to discipline and disciplinary action related to the students of the University are vested with the Vice Chancellor. He may delegate all or any of his powers as he deems fit to any of the officers of the University.

Ban on ragging on the campus: Ragging, use of alcohol, banned drugs, drug trafficking and eve teasing, which are criminal offences, are strictly forbidden in the University and persons found indulging in such activities will be subjected to strict disciplinary action in keeping with the law of the land. Indulging in any criminal activity within or outside the University and any physical violence against fellow students and fellow residents will not be tolerated and will attract stern disciplinary action including rustication. As per the orders of the "Hon'ble Supreme Court of India" if any incident of ragging comes to the notice of the authority of the University, the authorities would expel him/her from the University.

Anti Ragging

"UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009" are available on the UGC website i.e. www.ugc.ac.in . A nationwide toll free anti-ragging helpline 1800-180-5522 in 12 languages has also been established which can be accessed by students in distress due to ragging.

Psychological Counsellor:- University has appointed a Psychological Counsellor. The Psychological Counsellor is working with the Dean, Students' Welfare office.

The main purpose of appointing a Psychological Counsellor is to advice/counsel the needy students at the right time on 24.x7x365 basis. A wide publicity of contact and office details

has been given to enable University students to avail the services of Psychological Counsellor in times of need.

Equal Opportunities Cell: - As per UGC (Promotion of Equity in Higher Educational Institutions) Regulations Act, 2012 University has created an Equal Opportunities Cell. Prof. Sarat Jyotsna Rani, Department of Telugu has been appointed as Anti-Discrimination Officer. The Equal Opportunities Cell performs the following duties:-

1. The Anti-discrimination Officer shall receive the complaints about discrimination or harassment as defined in UGC (Promotion of Equity in Higher Educational Institutions) Regulations, 2012 in writing from a student or a parent of a student irrespective of whether the discrimination or harassment is alleged to have taken place within or outside the Institution,
2. On receipt of a written complaint the Anti-discrimination Officer shall initiate follow up action including preliminary fact finding enquiry, if he considers necessary.
3. On receipt of inquiry report, the Anti- discrimination Officer shall submit her/ his recommendations to the Institution in case of Students for taking appropriate follow up action in accordance with the provisions of the Statutes of Ordinances or regulations of the University or the UGC Regulations.
4. In case of Teachers and Non- Teaching Staff, the Competent Authority of the University upon receipt of the enquiry report shall take appropriate action in accordance with the provisions of the Statutes or Ordinances of Regulations of the University of the UGC Regulations.

Proctorial Board:- The Proctorial Board shall examine all disciplinary and related issues pertaining to the students. All students' misconduct/ indiscipline related cases shall be brought to the notice of the Chief Proctor. Based on the gravity of the case, the Proctorial Board shall make appropriate recommendations to the Vice- Chancellor after thorough enquiry on the incident/s.

Committee on violence against women and Sexual harassment:- As per MHRD Notification No.F.91-1/2013 (TFGS) dated 02.05.2016 published in the Gazette of India, The GS-CASH (Gender Sensitivity – Committee against sexual harassment) has been renamed as *Internal Complaints Committee (ICC)* with the composition of the following: Presiding Officer, Members, Ex-Officio Members, Third Party Representatives, Elected Members and others to combat Sexual harassment against women on the campus.

UGC ENRICHMENT PROGRAMME: Spoken English and Grammar for SC, ST, OBC (Non-Creamy Layer) and Minority Students.

The University Grants Commission (UGC) has introduced Enrichment Programme in various universities and colleges to benefit the students belonging to the underprivileged sections in academic institutions. The University of Hyderabad has taken an initiative to tap the opportunity to benefit the SC, ST, OBC (Non-Creamy Layer) and Minority students. The University has been organizing this programme for the last few years. Apart from remedial coaching in various subjects across the departments, spoken English and grammar at both the levels- basic and advanced is being conducted in the university. Subject tutors have been taken on temporary basis to teach spoken English and grammar through innovative methods. This programme is conducted twice an academic year through a semester system. Weekly

tests are conducted to assess progress. Gradation is assessed based on the performance of the students in the class. At the end of each semester, certificates are issued to them.

UGC JRF/ NET and UPSC, TPPSC, APPSC Coaching Classes:- The Office of the Dean, Students' Welfare is conducting UGC JRF/NET remedial Coaching Classes, with the help of coordinators of these programs for the benefit of the University Students. Apart from the regular coaching classes, subject to availability and allocation of funds and depending on the response of the students, the Office of the Dean, Students' Welfare and coordinators organizing Coaching Classes for UPSC, TPPSC, APPSC and various other group exams by engaging outside professionals from the concerned fields.

Games and sports

The department is equipped with a centre for Games and Sports. The centre consists of a well-equipped international standard indoor stadium accommodating indoor games like shuttle badminton, table tennis etc.

The centre is also now equipped with a Fitness Centre where students can participate in various fitness programs. This centre is catering to the needs of fitness through the state of the art equipment, and the fitness centre is poised for further development in the present year.

The department also houses a Yoga Centre in which Yoga classes are given for the students and other interested university community.

The department also is promoting the sports and games culture among the student community by well organizing coaching camps in various disciplines for the University teams.

The department recently added two Synthetic Tennis Courts near Yoga Centre for the students and for the university community. A state of the art Indoor fitness centre and Gym is coming up at south campus for the students and University community.

A new 400 meters standard Athletic track is added to the department of physical education and sports for the use of students and university community.

The university is also a member of the Inter University Sports Board of India and its teams participate in Zonal and All India Inter University Tournaments regularly, apart from this the department also organizes annual inter school competitions to inspire the student community to involve in sports and games to improve their health status.

Financial Support

The University offers financial assistance to the students admitted to different programmes of study. Brief particulars of some of these scholarships/fellowships are as following:

Sl. No	Name of the Fellowship providing by funding body	JRF Rs. Per month	SRF Rs. Per month	M.Phil. Rs Per month	Ph.D. Scholars per month	per month

1	UGC	25,000/-	28,000/-	-	-	-
2	UGC - RGNF SC & ST	25,000/-	28,000/-	-	-	-
3	UGC - MANF	25,000/-	28,000/-	-	-	-
4	CSIR	25,000/-	28,000/-	-	-	-
5	INSPIRE	25,000/-	28,000/-	-	-	-
6	Non Net Fellowship for M.Phil. & Ph.D. Scholars	-	-	5,000/-	8,000/-	-
7	M.Sc. Biotechnology scholarship sponsored By JNU	-	-	-	-	5,000/.
8	P.G. Indira Gandhi Scholarship	-	-	-	-	3,100/-
9	Post Graduate Merit Scholarship Scheme for University Rank holders	-	-	-	-	3,100/-
10	GATE Scholarship	-	-	-	-	12,400/-

Financial assistance to students admitted to Masters and Integrated Masters Programme:

Financial assistance under UoH financial assistance will be offered to a maximum of 600 students admitted to Masters and Integrated Masters programme in an academic year @ Rs.750/- p.m. for a period of 10 months in an academic year. The norms including on the basis of Income criteria relating to sanction of this assistance will be notified separately each year.

Concessions to Visually Challenged students:

Concessions to Visually challenged students are provided by the University as per the UGC guidelines from time to time which interalia, include exemption from all kinds of fees, payment of Reader's allowance @ Rs. 1000/ p.m. in respect of PG/ M.Phil./Ph.D. (proposed to be enhanced Rs. 1000 to Rs. 1200 for UG/PG and Rs. 1000 to Rs. 1500 for M.Phil./Ph.D.) students, an annual grant of Rs. 500/- for guide charges, extra time of 20/30 minutes for writing examination paper of 2/3 hours respectively and permission to use a personal typewriter during examinations. In addition to this, the blind students are eligible for scribe charges @ Rs.150/- for Internal Exams/Term papers and Rs.300/- for end-semester examinations. Special stationary charges @ Rs.500 per annum.

Financial assistance from other sources: The University will facilitate all eligible to apply for the award of the following Scholarships given by the Govt. of India, Govt. of Telangana, Govt. of Andhra Pradesh and other State Governments subject to their fulfilling the conditions prescribed in each case.

a) GOI National Merit Scholarship

b) GOI Post Matric Scholarships for SC/ST students

c) GOI Scholarships for non-Hindi speaking students for Post Matric studies in Hindi

d) GOI Scholarships for physically Challenged

e) GOI Scholarships for Ex-Servicemen/Freedom Fighters' children, Minority students

f) Scholarships of respective State Governments for EBC, OBC, Children of Political sufferers, minorities etc.

The University further grants fee concession to the SC/ST and OBC scholarship holders beyond the amount reimbursed by the respective Governments which shall be prospective if the Dept. of Social Welfare, Govt. of A.P. and Telangana States express its inability to reimburse the fee in full to the University in the case of the SC, ST and OBC scholarship holder of the State of A.P./Telangana.

Fellowships and Scholarships

1. Payment of scholarships awarded/funded by external agencies like UGC, CSIR, AICTE, ICSSR, ICMR, DST, DBT, DAE, NBHM etc. shall be made directly credited to the beneficiaries Canara Bank account

2. UGC JRFs pursuing their research work leading to M.Phil. & Ph.D. in Sciences, Humanities, Social Sciences, Performing Arts etc.

3. Rajiv Gandhi National Fellowships (sponsored by the Ministry of Social Justice for SC/ST candidates to pursue M.Phil. & Ph.D. Degrees): The SC/ST Scholars enrolled for Ph.D. and M.Phil. Programmes in the University have to apply for this Fellowship as and when the University Grants Commission issues the notification.

4. Maulana Azad National Fellowship (sponsored by Ministry of Minority Affairs to pursue M.Phil. and Ph.D. Degrees by minority students). The Minority scholars enrolled for Ph.D. and M.Phil. Programmes in the University have to apply for this Fellowship as and when the University Grants Commission issues the notification.

5. CSIR Fellowships: The CSIR JRFs pursuing research are paid a fellowship of Rs.25,000/ p.m. for a period of two years (JRF) which may be increased to Rs.28,000/ p.m. for the subsequent years (SRF). The upgradation to SRF will be as per the norms of the University and CSIR.

6. M.Phil. programme is three semester programme. M.Phil. students will be paid fellowship @ Rs. 5,000/- p.m. for three semesters only (funded by UGC). No

further extension shall be given to the students beyond three semesters. However, the students if so desire can submit the

M.Phil. dissertation within two semesters also

7. Ph.D. Scholars will be paid fellowship @ Rs. 8000/-p.m. from the date of the Admission for a period of 3 years and extendable by one more year (funded by UGC) in exceptional cases with specific and tangible justification from the supervisor/Doctoral Committee.

8. The students admitted to M.Sc. Biotechnology are eligible for scholarship funded by the Dept. of Biotechnology, Govt. of India. The duration of the scholarship will be 4 semester/2 years subject to receipt of receiving grants from Department of Biotechnology.

9. Students admitted into **M.Tech CS/AI/IT, M.Tech IC Technology** and GATE qualified candidates admitted to M.Tech Materials Engineering and M.Tech Mineral Exploration will be eligible for AICTE fellowships as and when AICTE processes DBT scheme (No. of fellowships are restricted to the students intake approved by the AICTE).

10. The University Grants Commission on the basis of a recent initiative of MHRD, has introduced the Post- Graduate Merit Scholarship for University Rank Holders (in General and Honours courses at University levels). The selection will be purely on Merit basis and duration is for 2 years.

11. The University Grants Commission, on the basis of a recent initiative of MHRD, has introduced the Post- Graduate Indira Gandhi Scholarship for Single Girl Child as an incentive for the parents to observe small family norms and duration is for 2 years. The University extends fee waiver in case of such students. However, those who are eligible and received Indira Gandhi scholarship for single girl child will not be eligible for other fellowships.

12. The University of Hyderabad Students Assistance (UoH SA) will not be provided to the students who are drawing any Financial Assistance/Scholarship/fellowship from any other source.

Placement Guidance and Advisory Bureau (PGAB)

The placement activities at the University of Hyderabad are coordinated through the Placement Cell which is advised by the Placement Guidance and Advisory Bureau (PGAB). The PGAB constitutes faculty placement coordinators of the various Schools/Departments who in coordination with the PGAB look after the placement for the students in the University. The placement coordinators are assisted by the student placement coordinators who play a vital role in the placements of the respective schools/departments.

The PGAB publicizes information about employment opportunities and makes information available to the students. Placement talks are arranged and facilities are provided for Campus interviews. The Placement Office facilitates the students of the University by way of guidance and advice in choosing their career.

Many leading and reputed Companies/Laboratories/ Institutes/Institutions/Financial Institutions, Government Organizations/Publishing Houses/Broadcasting and Media representative such as Tata Consultancy Services, Deloitte, HSBC, JP Morgan Chase, DST Worldwide Services, Commvault, Intergraph, One Convergence, RGUKT, Cavium Net Works, Zen Technologies, AINS, Free Scale, Sri Ram Life Jaro Education, Sri Chaitanya Junior Colleges/Techno Schools and to name a few, had Campus placements and recruited students at salaries ranging from Rs.3.50 Lakhs to Rs.10.00 Lakhs per annum. The highest offer of Rs.10.00 lakhs per annum, was made to an M.Tech CS student. Most of the students in Life Sciences, Physics and Chemistry preferred to go in for higher studies.

In addition to placement activities, the Bureau also helps in offering career counseling and personality development services for the benefit of the students. The PGAB not only gets placements for students but also arranges the related lectures/seminars/workshops for their benefits.

The Placement Coordinator, with due help form the Placement Officer, the Faculty Coordinators, Students Coordinators and the Chairman, Advisory Committee, Coordinate placement-related activities. The alumni of the University occupy premier positions within the country and abroad.

Placement Coordinator: (email: placment@uohyd.ernet.in and placementuoh@gmail.com; telephone number: 040 –
23011831 and 23132110).

TEACHING AND EVALUATION REGULATIONS

Special features

The special features of the University's academic set up include a favourable teacher student ratio (1:13); a flexible academic programme that encourages interdisciplinary courses and research. The assessment, including projects and examinations of the Postgraduate/PG Diploma courses is continuous and internal.

Semester system

The courses are organised on the semester pattern. The academic year consists of two semesters of 16 to 18 weeks each. July – December is the Monsoon semester and January – June is the winter semester.

Continuous internal assessment

The examination system of the University is designed to test systematically the student's progress in class, laboratory and field work through continuous evaluation in place of the usual "make or mar" performance in a single examination. Students are given periodical tests, short quizzes, home assignments, seminars, tutorials, term papers in addition to the examination at the end of each semester. The final result in each course is calculated on the basis of continuous assessment and performance in the end semester examination.

Attendance and progress of work

Students should attend at least 75% of the classes actually held in each course (at least 60% if the same course is repeated for writing the end-semester examinations) and participate, to the satisfaction of the School/Department/Centre, in seminars, sessional and practical's as may be prescribed. The progress of work of the research scholars and their attendance is regularly monitored by their supervisors. **Absence from classes continuously for 10 days shall make the student liable to have his/her name removed from the rolls of the University.** Absence on medical reasons should be supported by a certificate which has to be submitted soon after recovery to the respective School/Department/Centre.

Summer Semester

In order to help the I.MA/I.M.Sc. (5-Year Integrated) students having more backlogs than allowed, classes will be held during May/July subject to the availability of the teachers.

Evaluation regulations

1. The performance of each student enrolled in a course will be assessed at the end of each semester. Evaluation of all P.G., Advanced P.G./P.G. Diplomas, M.Phil., M.Tech and Integrated PG courses is done under the Grading System. There will be 7 letter grades; A+, A, B+, B, C, D and F on a 10 point scale which carries 10,9,8,7,6,5,0 grade points respectively.

2. The final result in each course will be determined on the basis of continuous assessment and performance in the end semester examination which will be in the ratio of 40:60 in case of theory courses and 60:40 in laboratory courses (practicals).

3. The mode of continuous assessment will be decided by the School Board concerned. The students will be given a minimum of three units of assessment per semester in each

course from which the best two performances will be considered for the purpose of calculating the result of continuous assessment. The record of the continuous assessment will be maintained by the School/Department/Centre.

4. At the end of the semester examination, the answer scripts shall be evaluated and the grades scored by each student shall be communicated to the Dean of the School/Head of the Department/Centre for onward transmission to the Office of the Controller of Examinations. Wherever required, the Dean / the Head of the Department/Centre along with the teacher concerned may moderate the evaluation.

5. (a) Students should obtain a minimum of 'D' grade in each course in order to pass in the Postgraduate, Adv. PG/ Postgraduate diploma, M.Phil, M.Tech and Integrated PG courses. Students who obtain less than 'D' Grade in any course, may be permitted to take the supplementary examination in the course/s concerned within a week after the commencement of the teaching of the next semester or in accordance with the schedule notified. Appearance at such examinations shall be allowed only once. Those students who get less than 'D' grade in the supplementary examination also shall have to repeat the course concerned or take an equivalent available course with the approval of the Head of the Department/Centre and the Dean of the School concerned. Such approval should be obtained at the beginning of the semester concerned.

(b) In order to be eligible for award of medals/prizes and ranks etc., the students should complete the course within the prescribed duration. The grades obtained by the student in the supplementary/ repeat/improvement examinations shall not be taken into account for the award of medals/prizes/ranks etc. Further, for the purpose of award of M.Phil. and M.Tech. medals, prizes and ranks, the student should complete the course, examination and submission of dissertation etc., within a maximum period of three and five semesters respectively from the date of the admission to the course.

6. (a) No student of PG/Adv. PG/PG Diploma/M.Phil, and M.Tech, shall be permitted to move to the next semester, if he/she has a backlog of more than 50% of the courses of a semester concerned subject to a maximum of two backlogs where the number of the courses in a semester are four and a maximum of three backlogs where the number of courses in a semester are more than four at any given point of time including the backlogs of the previous semester, if any.

(b) No student of I.M.A./I.M.Sc. (5-year Integrated) courses shall be allowed to move to the next semester, if he/she has a backlog of more than 50% of the courses of a semester concerned subject to a maximum of 5 backlogs at any given point of time including the backlogs of previous semester/s, if any.

7. The qualifying marks for the dissertation/project report / monograph/ research paper in the M.Phil., and M.Tech courses shall be 50%. Students who obtain less than 50% or 'D' grade in the dissertation/ monograph/ research paper will be required to rewrite it within such extra time as may be allowed by the University based on the recommendation of the Supervisor(s) and the Department/Centre/School concerned.

8. Students who are permitted to appear in supplementary examinations in course/s in accordance with clauses 5(a) above will be required to apply to write the examination concerned in the prescribed form and pay the prescribed examination fee by the date prescribed for the purpose by the University.

9. (a) A student in order to be eligible for the award of M.A., M.Sc., MCA, MBA, MPA, MFA Adv. PG/PG Diploma and Integrated PG Courses must obtain a minimum of 'D' grade in each course. The results of successful candidates will be classified as indicated below on the basis of the CGPA:

    CGPA of 8.0 and above and up to 10.0   I Division   with Distinction
    CGPA of 6.5and above and < 8.0   I Division
    CGPA of 5.5 and above and < 6.5   II Division
    CGPA of 6.0   II Division with 55%
    CGPA of 5.0 and above and < 5.5   III Division

    (b) To satisfactorily complete the programme and qualify for the degree, a student must obtain a minimum CGPA of 5. There should not be any 'F' grades on records of any student for making himself/herself eligible for award of the degree.

    The division obtained by a student will be entered in his/her provisional cum consolidated grade sheet and in the degree/diploma certificate.

10. A student in order to be eligible for the award of the M.Phil and M.Tech degree must obtain a minimum of 'D' grade in each of the courses She/he takes as well as in the dissertation / project report/ monograph. The results of the successful candidates will be classified as below:

    CGPA of 8.0 and above and up to 10.0   I Division with Distinction
    CGPA of 6.5and above and <   8.0   I Division
    CGPA of 5.5 and above and <   6.50   II Division

    There is no III Division in these programmes

To satisfactorily complete the programme and qualify for the M.Phil. / M.Tech. degree, a student must obtain a minimum CGPA of 5.5. There should not be any 'F' grades on the records of any student for making himself/herself eligible for award of the degree.

The division obtained by a student will be entered in his/her provisional cum consolidated marks sheet and the degree certificate.

11. No student shall be permitted to take a supplementary examination for the second time of the same course except in the case of one repeating the entire course.

12. (a) No student of Post graduate, Adv. PG/PG Diploma courses shall be allowed to continue his/her enrolment for more than two semesters beyond the prescribed duration of the course. However, 5-Year Integrated PG students shall be allowed to continue their enrolment up to four semesters beyond the prescribed duration of the course.   While counting the maximum permissible number of semesters before which a student has to complete his programme the "idle semester/s" (i.e. the semester he/she has to forego for want of instructional facility) will not be counted and it should be limited to one semester in the case of PG and Advanced PG Diploma courses and two semesters in the case of 5-year Integrated courses. However, such students have to pay the tuition and other fees for the idle semester/s also. A student may be permitted to discontinue his/her studies for reasons certified as valid by the Head and/or Dean of the School concerned for a period not exceeding two semesters.

    (b)   No student of the M.Phil. and M.Tech. shall be allowed to continue his/her enrolment for more than two semesters beyond the prescribed duration of the course. Further a student of MCA, M.Phil. and M.Tech. or any other programme having dissertation will be permitted to work on the dissertation though there are backlogs in the

course work subject to the condition that the backlogs do not come in the way of their promotion to the subsequent semesters. However, he/she is allowed to submit the dissertation only on completion of the course work.

13. Students who are not found eligible to take semester examinations and also those who are not promoted to the next semester of the course may be considered for **readmission** to the concerned semester of the immediately following academic year. Such students should seek **readmission** before the commencement of the classes for the concerned semester or within a week of the commencement of the concerned semester if they are appearing in the supplementary examinations. Such students are given an option either to undergo instruction for all the courses of the semester concerned or to undergo instruction in only such courses in which they have failed on the condition that the option once exercised will be binding on the student concerned.

14. The answer scripts of the semester examinations shall not be returned to the candidates but may be shown by the instructor at the specific request of the student concerned. The result of the continuous assessment of the students will, however, be communicated to students immediately after the assessment.

15. **No request for re-valuation shall be entertained**. However, every School/Department/Centre shall constitute a **Grievance Committee** consisting of 3 or 4 teachers to examine the complaints received from the students of the School regarding their assessment. Such requests from the students should reach the Dean of the School / Head of the Department/Centre within 15 days of the announcement of the results.

Note: If a student is not satisfied with the evaluation by the School/Department/Centre level Grievance Committees, the
   Dean of the School/Head of the Department/
Centre on a request from the student may refer the matter to the Controller of Examinations for getting the paper evaluated by an external examiner, whose evaluation will be final. The fees for external evaluation in all such cases shall be Rs. 50/- per paper which shall be paid by the student concerned.

16. (a) Students absenting themselves after payment of fees from a regular semester examination are permitted to appear in the supplementary examination . The application for the supplementary examination in the prescribed form along with the prescribed fee should reach the office of the Controller of Examinations through the Department/Centre/School concerned by the date prescribed.

(b) Students may opt to audit a course within the Department or outside, provided he/she satisfies the prerequisites. 75% of attendance is required for an audit course for including the same in the additional grade sheet.
(c) Option once exercised for audit/extra courses shall be final.

Improvement examination

i) Students securing 'D' grade in the course of a semester may be allowed to improve their marks in one course in a semester. Appearance at such an examination in the course will be allowed only once. No further chance will be given under any circumstances.
ii) The improvement examinations will be conducted along with the supplementary examinations within a week of the commencement of the teaching of the next semester or as per the schedule prescribed.

iii) For the purpose of determining the Division, the better of the two performances in the examinations will be taken into consideration.

iv) The facility for improvement shall be open to all those who want to improve their grade irrespective of the CGPA obtained by them in the examination concerned. However, one should clear all courses of a particular semester in which he/she intends to take an improvement examination.

v) The grade sheet of a student will indicate full information of the examinations taken by him/her. Both the Grades obtained in the 1st and 2nd attempts will be shown in the grade sheets.

vi) The Application for improvement examination in the prescribed form along with the prescribed Examination Fee should reach the office of the Controller of Examinations within a week of the commencement of the teaching of the next semester through the School/Department/Centre by the prescribed date. vii) One can improve a maximum of four courses of their respective programmes as detailed below:

one course at the end of the first semester, two courses at the end of the second semester, three courses (to be taken from 1st & 3rd semesters) at the end of the third semester and four courses at the end of the fourth semester.

Students who have completed the course without availing the improvement facility in accordance with the schedule prescribed by the University are allowed to avail the unavailed chances within a maximum period of six months after completion of the course. Such exams are to be taken when the regular or supplementary/improvement exams are held. **Special Supplementary Examinations:** The PG and 5year Integrated PG students who after completion of the prescribed duration of the course are left with backlogs are eligible to appear for special supplementary exams subject to a maximum of two courses where number of courses in a semester are four and a maximum of three courses where the number of courses in a semester are more than four. Appearance in such exams shall be allowed only once.

Evaluation of M.Phil. dissertation

i) Students should give an open seminar on the M.Phil dissertation. Schools/Departments/Centres should hold it before/after submission of the dissertation.

ii) A Board comprising 3-4 members shall assess the performance of the M.Phil. candidates at the seminar for 25% of the marks prescribed for the dissertation. The remaining 75% marks for the dissertation shall be awarded on the basis of examiners' reports in accordance with the existing procedure. There is no minimum pass mark for the seminar.

Evaluation of M.Tech. CS/AI/IT dissertation & MCA Project work

1. The dissertation of M. Tech. and M.C.A. project will be evaluated in two phases viz., mid-term and final. Midterm is for 40% and the final is for 60%.

2. The midterm and final evaluation will be done by a Board of examiners and the students have to present the work done by them.

3 (i) The provisional certificate-cum-consolidated grade transcript shall contain the CGPA and the division also. This document shall also contain classification of the results under letter grade system .

(ii) An additional grade sheet will be given to the students for the courses audited by them without attributing the credits, and also for the courses taken by them having credits which are not counted for the award of the degree and the credits scored by them for the extracurricular activities like NSS, literacy programme etc. The audited courses will be included in the additional grade sheet, based on the certification given by the teacher

concerned and recommended by the Head of the Department and Dean of the School concerned.

(iii) In the degree certificate, the division will also be mentioned.

(iv) In addition to the above provisions, the existing evaluation regulations in the University shall be applicable in the other matters, wherever required.

Bridge courses for SC/ST Ph.D. scholars

Students from the SC/ST category who are admitted to **Ph.D.** programmes and identified with some academic deficiencies have to study Bridge courses for a maximum period of 2 semesters to enable them to pass the course work and this period will not be counted against the maximum period (5+1 year) allowed for submission of the thesis.

Course work for Ph.D. scholars

Every student admitted to a Ph.D. programme shall satisfactorily complete the course work prescribed by the School/Department/Centre. The course work shall be for 12 - 14 credits which may be distributed among different components as decided by the respective Department/Centre and approved by the School Board. The Ph.D. students should pass the course work by securing 55% of marks in each subject within a period of 2 semesters. If the student is unable to complete the course work in two semesters. No student shall be permitted to work on the research project without completion of the course work. The provisional admission of the candidates who fail to complete the course work in the above stipulated period stands cancelled automatically.   This shall also apply for the Ph.D. students registered for part time, external category and at the Associate Institutions. The result shall be declared as pass or fail.

Note: Those with an M.Phil. Degree though exempted from the course work have to do the course work if it is recommended by the Supervisor/Doctoral Committee and approved by the School Board. In the case of M.Tech. students admitted to Ph.D., they will be required to do a course in Research Methodology if they have not done at their M.Tech. and any other course work if it is prescribed by the Supervisor/Doctoral Committee to be approved by the School Board which need not be of 12-14 credits.

Medals for excellence in studies

With a view to encouraging good performance in studies, the University has instituted several donor medals. These include the following:

S.No.	Name of the Medal	Course/Subject
	Donor Medals	
1	M/s Jindal Jubilee **Gold** Medal	M.Sc. Mathematics
2	M/s Narosa Publishing House Medal	M.Sc. Mathematics (Applied)
3	A.P. Mahesh Bank Medal	MCA
4	Bhagwat Saran Agarwal Memorial Medal	M.Sc. Physics
5	Prof. VV Sarma Memorial Medal	M.Sc. Chemistry
6	Prof. A.N. Radhakrishnan Memorial Medal	M.Sc. Biochemistry
7	KLN Reddy Medal	M.Sc. Plant Biology & Biotechnology
8	Kottapalli Narasayya Medal	For a topper who secures highest marks in core subjects of M.Sc. Plant Biology & Biotechnology

9	Kiran Kumar Medal	M.Sc. Animal Biotechnology
10	Dr. Salam Khan Bio Asia Medal	M.Sc. Biotechnology
11	Pingali Mohan Reddy Medal	For overall performance in PG in Life Sciences
12	Electrotek International Inc., Chennai, **Gold** Medal	M.Sc. Ocean and Atmoshperic Sciences
13	Prof. Radhanath Rath Memorial Medal	I.M.Sc. Health Psychology
14	Sarojini Naidu Memorial Trust Medal	M.A. English
15	Roopchand Chajed (Jain) Medal	M.A. Hindi
16	Prof. P. Ramanarasimham Medal	For a topper in M.A. Telugu who secures highest marks in the following coruses put together : i) Introduction to General Linguistics ii) Evolution of Telugu Language iii) Structure of Modern Telugu iv) Comparative Dravidian
17	Sri Nittala Venkata Somayajulu Memorial Medal	M.A. Telugu
18	Mahakavi Dasu Sreeramulu Medal	M.A Telugu with special reference to Classical Literature
19	Dr. Prakash Moonis Memorial Medal	M.A. Urdu
20	Dr. Naushaba Hasnain and Prof. Syed Mohammad Hasnain Medal	For performance in PG courses of School of Humanities with a preference to M.A. Urdu, if the overall marks are 1% less than the topper in other subjects
21	Prof. Bhadriraju Krishnamurthi & Smt. Shyamala **Gold** Medal	M.A Applied Linguistics/ I.M.A Language Sciences
22	Andhra Bank Medal	M.A. History
23	Alumni Medal (for a topper in Social Anthropology)	M.A. Anthropology
24	M/s Jindal Jubilee **Gold** Medal	M.A. Economics
25	Nataraja Ramakrishna Sharada Devi Medal	MPA Dance
26	Sri S L Parasher Medal	MFA Painting
27	Canara Bank Medal	M.A. Communication
28	Vasavi Academy of Education Medal	MBA
29	SBH Medal	M.Tech. CS
30	Alekhya Technology Medal	M.Tech. AI
31	IDRBT Medal	M.Tech. IT
32	Mannapalli Subbaramaiah Medal	Overall for M.Tech. CS/AI/IT
33	Tadinada Sri Mahalakshmi Medal	M.Tech. Mineral Exploration
34	Roopchand Chajed (Jain) Medal	M.Phil. Hindi
35	Akhtar Hassan Memorial Medal	M.Phil. Urdu
36	Prof. G.C. Jain Medal	M.Phil. Urdu
37	Prof. Kishore Saran Lal Medal	The best M.Phil thesis to be adjudged every year in History (special reference to Medieval Indian History 11th to 18th Centuries)
38	Dr. K. Kameswari Devi Memorial **Gold** Medal	The best thesis in Telugu to be awarded once in two years

39	Dr. (Mrs) Sheela Raj Memorial Medal	The best Ph.D. thesis to be adjudged every year in History
40	Dr. Bhaskar Raj Saxena Memorial Medal	The best Ph.D. thesis to be adjudged every year in Hindi
41	Dr. Rajendra Kumar Nigam & Smt. Meera Nigam Medal	The best Ph.D thesis to be adjudged every year in Plant Sciences
42	President of India Medal	For overall performance (Bi-annually)
	Donor Medals for women toppers	
43	Prof. M. Shakuntala Memorial Medal	M.Sc. Physics
44	Dr. B. Venakta Rama Sastry Memorial Medal	M.Sc. Biochemistry / For overall performance in PG in Life Sciences ((in the absence of woman topper)
45	Smt. Ravuri Kantamma Bhardwaja Medal	M.A. Telugu
46	A.P. History Congress Medal	M.A. History
47	Prof. G. Ram Reddy Memorial Medal	M.A. Political Science
48	State Bank of India Medal	M.A. Economics
	University Medals PG Courses	
49	M.Sc. Statistics	
50	M.Sc. Molecular Microbiology	
51	M.Sc. Health Psychology	
52	Master of Public Health (M.P.H)	
53	M.A. Philosophy	
54	M.A. Applied Linguistics	
55	M.A Comparative Literature	
56	M.A. Political Science	
57	M.A. Sociology	
58	M.A. Anthropology	
59	MBA Health Care and Hospital Management	
60	M.F.A Print Making	
61	M.F.A Sculpture	
62	M.F.A Art History and Visual Studies	
	University Medals Integrated PG Courses	
63	I M.Sc, Mathematics	
64	I M.Sc Physics	
65	I M.Sc. Chemical Sciences	
66	I M.Sc. Systems Biology	
67	I M.Sc. Optometry & Vision Sciences	
68	I M.Sc. Earth Sciences	
69	I.M.A Hindi	
70	I M.A Telugu	
71	I M.A Language Sciences	
72	I M.A Economics	
73	I M.A History	
74	I M.A Political Science	
75	I M.A Sociology	
76	I M.A Anthropology	

SC/ST Medals

The University has instituted medals for securing the first rank with first class among the SC/ST students in various examinations at Master's degree level in the year 1991 – the birth centenary of Bharat Ratna Dr. B.R. Ambedkar.

The President of India Medal The President of India Medal will be awarded biannually for a PG student for overall performance to be adjudged as the best for general proficiency including character, conduct, excellence in academic, and other extra and co-curricular activities viz., i) sports (ii) cultural (iii) participation in literacy drive and non-formal education (iv) leadership (v) participation in debates, seminars and similar activities (vi) participation in NSS, blood donation camps, etc.   For this, a weightage of 70% shall be given for academic performance after normalization and 30% for other activities by giving 5% weightage each of the above stated activities. The students should provide the information to the HoDs/Deans for this purpose with documentary evidence from time to time or before they leave the University on completion of the course.

University Medal for Physically Challenged Students

The University has instituted a medal for the meritorious student from amongst the physically challenged category from P.G. Courses. This will be awarded annually at the Convocation. The selection procedure for this award will be similar to that of the President of India Medal.

Note: For the award of the above medals, prizes, and rank, etc., the topper in the subject concerned should secure first division in the degree and pass all the examinations within the prescribed duration in the first attempt. The marks obtained in supplementary/ improvement examination shall not be taken into account for the purpose. In respect of tie, actual marks obtained shall be taken into account for identifying the topper.

Duration of the courses

I. **The duration of the course for M.A., M.Sc., M.P.A., M.F.A., Degree courses and PG Diploma courses are as given below :**

1. Normally, the student is expected to complete his/her programme within the minimum period as laid down under the relevant Regulations of the University which should be in conformity with the UGC Regulations on the award of First Degree and Master Degree and also in line with the notification, issued from time to time, on Specification of Degrees under Section 22 of UGC Act, 1956.

2. A student who for whatever reasons is not able to complete the programme within the normal period or the minimum duration prescribed for the progrmme, may be allowed two years period beyond the normal period to clear the backlog to be qualified for the degree.

    a) Time Span = N+2 years for the completion of programme where N stands for the normal or minimum duration prescribed for completion of the programme.

    b) In exceptional circumstance a further extension of one more year may be granted. The exceptional circumstances be spelt out clearly by the relevant statutory body concerned of the University.

    c) During the extended period the student shall be considered as a private candidate and also not be eligible for ranking.

Courses/Programmes	Course duration	Max. duration from 2016-17
Integrated courses with **Exit option** from 2015-16	3 years	5 years
Integrated courses including 5 Year M.Tech.	5 years	7 years
I.M.Sc. Optometry & Vision Sciences (with exit option from 2015-16)	4 years	6 years
PG Courses	2 years	4 years
MCA, MPA	3 years	5 years
M.Tech.	2 Years	4 years
M.Phil.	3 semesters	4 semesters
Ph.D.	6 years	8 years for PWD and women Candidates only

The rule for granting readmission of students to first semester is as under :

1. The re-admission request of first semester students have not been attended a single class nor informed the School/Department/Centre concerned, of his/her absence need not be entertained and they may be rejected at School/Department/Centre level.

2. A minimum requirement of 25% attendance shall be insisted upon for considering the re-admission requests of 1st semester students. The requests of students having less than 25% attendance **need not be considered** and shall be rejected by the School/Department/ Centre.

3. Requests of students for granting re-admission to 1st semester, whose names have earlier been removed from the rolls of the University for various reasons (viz., non-submission of qualifying degree within the stipulated date, unauthorized absence for more than 10 days as per evaluation regulations, etc.) should not be accepted and forwarded by Schools/Departments/ under any circumstances.

4. Re-admission requests on medical grounds should be supported with proper medical and fitness certificate duly issued by the Competent Medical Authority (Not below the rank of Asst. Civil Surgeon) and also, such a certificate be obtained from the location where treatment was taken.

These regulations/rules shall come into force with effect from the academic year 2016-17.

Rules of Refund of Fees on account of withdrawal/cancellation of admission

The rules for refund of fee to students on account of withdrawal/cancellation of admission etc. approved by the University in **78th Academic Council meeting (item No.AC:78:2K17:14),** for implementation are given below for compliance by all concerned:

	Reasons for seeking refund	**Percentage of Refund of Aggregate fees ***
a)	When a student applies for withdrawal of admission 15 days before the last date of admission. i.e., **10TH August 2017**	100% Less : 10% Processing Fee
b)	When a student applies for withdrawal of admission after 15 days of last date of admission. i.e., **10th August 2017**	80%
c)	More than 15 days but less than 30 days after formally notified the last date of admission i.e., **10th August 2017**	50%
d)	More than 30 days after formally notified the last date of admission i.e., **10th August 2017**	Only Caution/Security Deposit

NOTE:

1. * Aggregate fee includes tuition and other fee but excludes Caution/Security Deposit
2. For all withdrawals under category (a) above, 10% processing fee in the Aggregate fee shall be charged.

Malpractices (Prevention and Disciplinary action) rules

In pursuance to the approval of the guidelines recommended to deal with cases of malpractices by the 76th Academic Council, the following rules are herewith notified. They shall be known as Malpractices (prevention and disciplinary action) rules:

A) DISCIPLINARY ACTION FOR MALPRACTICES / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Disciplinary action
1 (a)	If the candidate possesses or arranges access in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material (in any forma) concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made us of (material shall include any marks in any format (diagrams, clues, writing) on the body of the candidate which can be used as an aid in the subject of examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	If the candidate gives assistance or guidance or receives it from any other candidate orally or by any body language methods or communicates through any means with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that paper only of all the candidates involved. In case of an outsider, she/he will be handed over to the police and a case is registered against him/her.
2	If the candidate has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examination and project work and shall not be permitted to appear for the remaining examination of the subjects of that Semester/year. The Hall Ticket of the candidate will be cancelled and sent to the University.

3	If the candidate impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the. The performance of the legitimate candidate, who has been impersonated, shall be cancelled in all the subjects of the examination (including practical and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from admission class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4	If the candidate carries in the Answer Book or Additional Sheet or takes out OR arranges to send out the question paper during the examination OR answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from admission class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of admission.
5	If the candidate uses objectionable, abusive or offensive language in the answer paper, or in letters to the examiners or communicates with the examiner in any form requesting her/him to award pass marks or makes any other request.	Cancellation of the performance in that subject.
6	If the candidate leaves the exam hall taking away answer script or intentionally tears off the script or any part thereof making it illegible in any form or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other papers the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from admission class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of admission.

7	If student of the School, who is not a candidate for the particular examination or any person not connected with the school indulges in any malpractice or improper conduct.	Student of the school : expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the admission. Person(s) who do not belong to the School/University will be handed over to police and a police case will be registered against them.
8	Copying detected on the basis of internal evidence, during evaluation or during special scrutiny as may be undertaken by the University.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
9	If any malpractice/misbehavior is detected which is not covered in the above clauses 1 to 8 shall be reported to the University for further action to award suitable disciplinary action.	

Note: No supplementary examination shall be permitted for those students who are caught in cases of malpractice.

B) <u>The following shall be ensured by the School in preparations for examinations</u>:

1. Physical (seating) arrangement shall be handled by the school in such a way that concerned teacher can effectively invigilate.
2. All stationery shall be provided by the school in the examination hall.
3. Question paper shall be brought in by the concerned teacher and the responsibility shall lie with the concerned teacher.
4. Washrooms/lavatories etc to be cleared one day before the examination begins and every day thereafter till the end of the examinations.

As internal examinations (continuous evaluation) also affects term end examinations, therefore the following rules with regards to conduct of internal examinations have been made:

1. Teacher shall conduct a test each month avoiding the month in which end-semester exams are conducted.
2. The concerned faculty should mandatorily invigilate the semester end examination of his/her course.
3. The Deans/HoD's will ensure that tests are conducted every month using such means as found suitable.

C) Distribution of roles and responsibilities in the examination hall:

S.No.	Students	Responsibilities	
		Faculty	School Administration
1	Shall not carry any material, phones except instruments to write , scale, pencil, scientific Calculator. Only admit card and stationery shall be permitted	Shall ensure the same	Frisking before entering the hall including checking for writing on body, hands etc.
2	Shall not talk, Communicate in any manner with anyone except the invigilator.	Shall invigilate personally with the assistance of scholars, office staff as needed.	Shall provide water etc. so that movements of the students are restricted.
3	Shall not be allowed to go out during the first half-hour and not more than once during the examination.	Shall ensure that not more than one student goes out of the hall at any given time.	

Mode of Implementation: If a student is caught for malpractice by any official concerned with the conduct of examination, he shall be handed over to the Dean of the School. The Dean of School shall identify the Nature of malpractices/Improper conduct as indicated from 1 to 8 or 9 as the case may be in the table above at A, and forward all such cases to the Office of the Controller of Examination. The office of the Controller shall process the complaints and hand out disciplinary action as per the recommendations given against each case in the table at A.

The above rules shall come into effect from 1st July, 2016.

Guidelines on Anti-Plagiarism aspect of dissertations

1. The similarity index for all dissertations, i.e Ph.D, M.Phil. and M.Tech, shall be capped at 15% .
2. If a student is the first author, the similarity index of that publication is to be ignored while calculating the overall similarity index
3. Where the student is not the first author, the matter shall be taken up on a case by case basis on the recommendation of the supervisor and the HoD/ Dean of the school.
4. Either the paper published or the acceptance letter and abstract on the journals letter head/ official e-mail shall be required to be enclosed along with the thesis as annexure. This may also be mentioned in every chapter, if applicable, along with the details of the journal where the paper was previously published.
5. a. The format of Certificate to be attached to Ph.D. dissertation is enclosed at **Annexure 1**.
   b. The format of certificate to be attached to M.Phil and M.Tech dissertations is enclosed at **Annexure 2.**
6. All efforts may be made so that the thesis should not be a mere reproduction of the publications. The practice of using the complete extract of the publications in the dissertations is to be discouraged and the supervisors should encourage the students to rewrite their papers.

Annexure 1

CERTIFICATE
(For Ph.D. Thesis)

This is to certify that the thesis entitled _____
Submitted by_____bearing registration number _____
in partial fulfilment of the requirements for award of Doctor of Philosophy in the School
of   _____ is a bonafide work carried out by him/her under my
supervision and guidance.

This thesis is free from plagiarism and has not been submitted previously in part or in full
to this or any other University or Institution for award of any degree or diploma.

Further, the student has the following publication(s) before submission of the thesis for
adjudication and has produced evidence for the same in the form of acceptance letter or the
reprint in the relevant area of his research: (**Note**: at least one publication in a refereed
journal is required)

1._____(ISBN/ISSN Number_____),
Chapter of dissertation where this publication appears (Delete if not applicable) _____,

2._____,
Chapter of dissertation where this publication appears (Delete if not applicable) _____

and
   has made presentations in the following conferences :
   (**Note**: Delete if not applicable)
1._____, (National/International)
2. _____, (National/International)

Further, the student has passed the following courses towards fulfillment of the
coursework requirement for Ph.D. has been exempted from doing coursework
(recommended by the Doctoral Committee) on the basis of the following courses passed
during his M.Phil programme and the M.Phil degree awarded to him/her:

	Course Code	Course Title	Credits	Pass/Fail
1.				
2.				
3.				
4.				

Supervisor   **Head of Department**   **Dean of School**

CERTIFICATE

(for M.Phil and M.Tech. Dissertation)

This is to certify that the thesis entitled "…………………………………… ……………………………………………………………………………………………….. submitted by …………………………………………………………………………… bearing registration number ………….. in partial fulfillment of the requirements for the award of …………………………………………..in (subject)…………………………………is a bonafide and plagiarism free work carried out by him/her under my/our supervision and guidance.

The thesis has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.

Supervisor/s   Head of the Department/Centre   Dean of the School

UNIVERSITY OF HYDERABAD

OFFICE OF THE CONTROLLER OF EXAMINATION
ENQUIRY COUNTER: Timings 9.30 am to 1 pm and 2 pm to 5.00 pm. Contact Ext. No.
2121 CHARTER OF SERVICES WITH FEES AND DURATION

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1) No. of working days mentioned above is excluding the day of submission.
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3) The Students need to show their ID card and semester registration card at the counter.
4) All Certificates have to be collected from the respective sections between 3-5 pm after taking slip from the enquiry counter after the duration period is over.

UNIVERSITY OF HYDERABAD

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