



## JSS Academy of Higher Education & Research

(Deemed to be University)  
Accredited A<sup>+</sup> Grade by NAAC

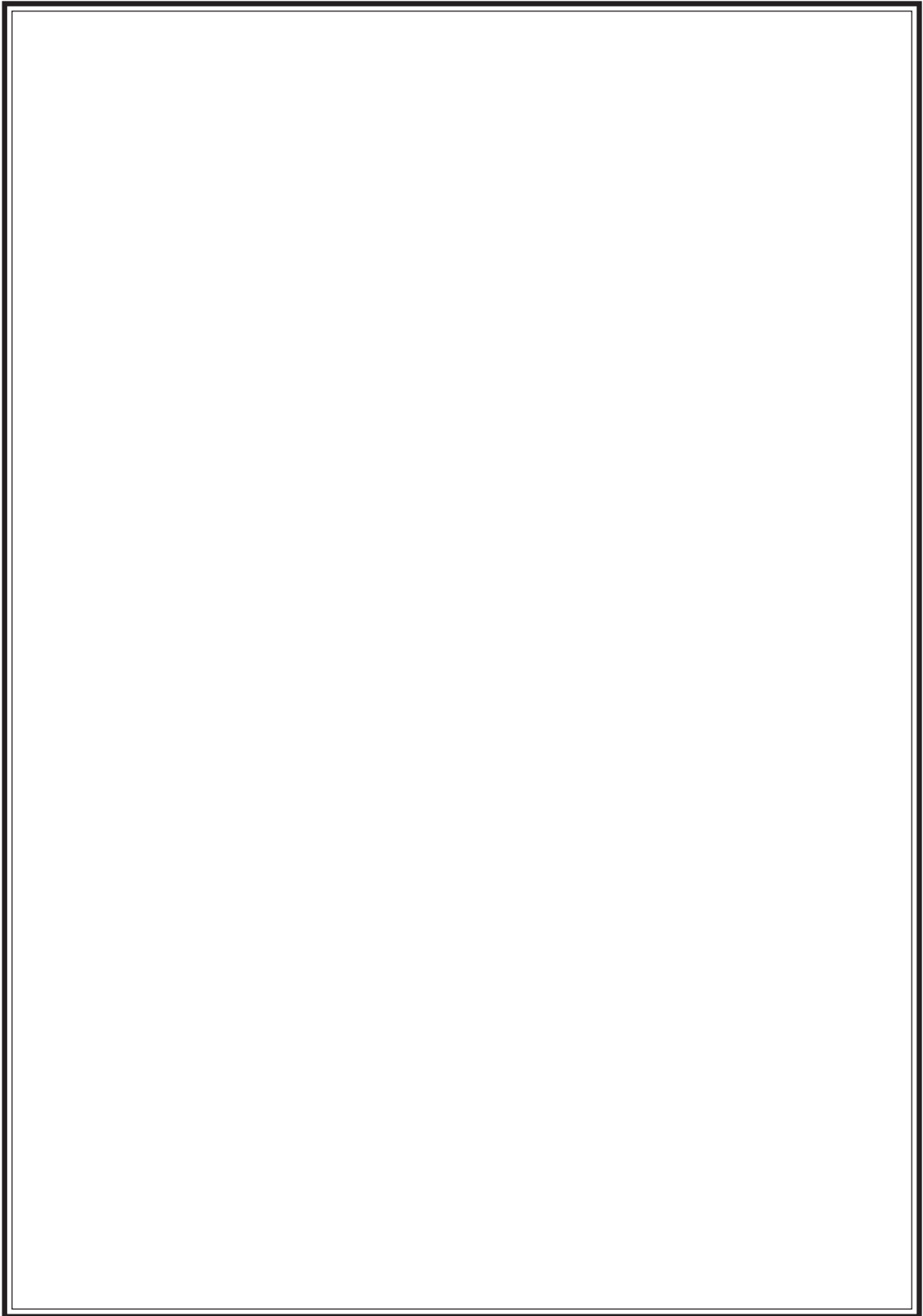
### JSS MEDICAL COLLEGE

(Constituent College)  
Sri Shivarathreeshwara Nagar, Mysuru-570015

## Academic Calendar

Medical MSc, MSc Clinical Embryology,  
MSc Genetics & Genomics, MSc Clinical  
Psychology and Masters in Public Health  
programs (MPH)  
2021-2022

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## **Vision**

To provide education that helps transformation of individuals and society.

## **Mission**

The mission of JSS Academy of Higher Education is to expand the boundaries of education and to make the most amazing learning possible by:

Providing superior undergraduate, graduate and professional education to its students.

Developing and advancing the talents of students to create applicable knowledge.

Nurturing translational and transformational research that benefit the society.

Inspiring to excel in health sciences delivery and care.

**JSS Academy of Higher Education & Research**, formerly known as **JSS University**, is a Deemed to be University located in Mysuru, Karnataka. It was established in 2008 under Section 3 of the UGC Act 1956 and is part of JSS Mahavidyapeetha, which runs a variety of educational institutions. This deemed-to-be university is recognized by MHRD and accredited by **NAAC** with **A+** Grade (3.48 CGPA). JSS AHER has been graded as **Category-I** Deemed-to-be University by UGC.

The Deemed to be University has been focusing on teaching, research and health services since its inception. Under the leadership and gracious Patronage and Blessings of **His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji**, the **Chancellor** of JSS Academy of Higher Education & Research, **Pro Chancellor, Dr. B.Suresh**, a noted multifaceted leader of repute and **Vice Chancellor, Dr. Surinder Singh**, an acclaimed Administrator, the Deemed to be University has made great progress in grooming graduates, postgraduates, and Ph.D. researchers by providing effective value based education across our institutions by focusing on overall development of an individual through state-of-art facilities to make the learner a useful citizen to the society.

**National Institutional Ranking Framework (NIRF)**, MHRD ranked JSS Academy of Higher Education and Research **34th rank** in India in 2021.

JSS Academy of Higher Education and Research was ranked in the Rankband of 351 – 400; 93<sup>rd</sup> in subject ranking (Clinical and Health) in the **Times Higher Education (THE) World University Ranking 2019**

JSS Academy of Higher Education & Research has been awarded 291-300 band in **QS Asian University Rankings**.

Atal ranking of Institutions on Innovation Achievements has ranked in the band of 6-25 in 2020

**JSS Academy of Higher Education & Research (JSS AHER)** is focused on medical and health-related studies, and comprises **JSS Medical College, JSS Dental College & Hospital and JSS College of Pharmacy** at the main campus in **Mysuru** as well as another pharmacy college and School of Life Sciences in **Ootacamund, Tamil Nadu**. With a view to extend the horizons in the field of Health Sciences, the **Department of Water and Health (Faculty of Life Sciences) and Department of Health System Management Studies** have been integrated as Deemed-to-be University Departments.

Today, more than 600 faculty members instruct approximately 2000 undergraduate and graduate students and around 300 research scholars. A vast range of educational, cultural, social and extra-curricular activities are available to students, faculty and staff.

JSS AHER has also played a pivotal role in ensuring that the students and faculty benefit through wide-ranging international tie-ups. The institutions have collaborations with reputed universities, industrial and research organizations. These include International collaboration with La Trobe University- Australia, Khon Kaen University -Thailand, University of Southern Nevada and Long Island University - USA, AIMST University – Malaysia, Howard University - Washington DC, University of Illinois at Chicago - USA, AlfaGene Biosciences Inc – USA, National Institutes of Health - USA, Oman Medical College – Oman, etc.

A wide range of international study and research opportunities are available to both undergraduate and graduate students, including the chance to conduct research abroad.

JSS AHER has a sharp focus on attracting the best researchers and research scholars by providing them with comprehensive support and motivation. Internationally renowned academicians, management experts, corporate consultants and entrepreneurs have always been associated with us helping us make great strides in research as well as enhancing the employability of our students.

Outreach programs inculcate the social and professional responsibilities while personality development

programs, sports, cultural and literary activities facilitate holistic development of students.

JSS AHER embraces the challenges of the 21st Century by building new bridges across old boundaries.

These bridges include new educational programs and interdisciplinary studies, strategic partnerships with private and public R&D centres that pool resources and promote innovative research and new international relationships.

## ABOUT JSS MEDICAL COLLEGE

**A constituent college of JSS Academy of Higher Education and Research Accredited A+ Grade by NAAC.** JSS Medical College is an eminent medical education institution located at Sri Shivarathreeshwara Nagara, Mysuru, Karnataka, India. College was established in 1984 and is in the lush green campus of 43 acres. JSS Medical College was affiliated to the University of Mysore from 1984 to 1995 and later to the Rajiv Gandhi University of Health Sciences, Bangalore till 2008. JSS Medical College is now a constituent college of JSS Academy of Higher Education and Research (Established under Section-3 of UGC Act) since 28-05-2008. The College is recognized by the National Medical Commission of India and the college aims at imparting excellent quality medical education that markedly improves the health sector and cater to the need of all strata of the society.

### **Vision:**

To provide leadership in medical education, research and contribute to humane and cost-effective health care

### **Mission**

To produce a breed of globally competent medical professional with strong urge to serve the humanity with the core values of sincerity passion towards lifelong learning, meaningful research and patient care guided by ethics.

### **The Strategic plan of the institute is “MANTRA”**

- Medical care with compassion
- Academic excellence
- Nurturing student quality
- Technology driven education and care
- Research and innovations
- Achieve continuous and lifelong learning

JSS Medical College has emerged as renowned institute in the country by providing medical education of high standards and compassionate health care programs through internationalization, innovation in academic and research studies. The Institution is equipped with excellent state of the art infrastructure, laboratories and modern teaching aids. JSS Medical College is progressing towards greater heights. with the ardent support of experienced, qualified and dedicated teaching and support staff. In recognition to the services provided in Medical education, Research and Health care, JSS Medical **College has bagged 24th position in the National Institutional Ranking Framework (NIRF), 2021 and 3<sup>rd</sup> position in Outlook.**

JSS Medical College offers undergraduate course in medicine (M.B.B.S) with annual intake of 200 seats and postgraduate degree (M.D and M.S) in 23 different medical disciplines along with 4 super specialty courses, DM Medical Gastroenterology, DM Neurology, DM Nephrology and M.Ch. Urology. Additionally, the institute offers 13 BSc Biomedical science programmes and M.Sc. in 9 disciplines (Medical Anatomy, Physiology, Biochemistry, Pharmacology, Microbiology, Clinical embryology, Clinical Psychology, Genetics & Genomics) and Masters in Public Health (MPH), M .Phil Psychiatry Social Work. Institution is offering Fellowship course in Pain Medicine, Psycho Sexual Medicine and Certificate course in Psycho Sexual Medicine. These courses are perfect blend of community oriented, problem based learning with high quality clinical reasoning. The college also provides PhD programmes in Medical and Biomedical Sciences to promote research and developmental activities.

### **Research**



JSS Medical College with the support from JSS Academy of Higher Education & Research and Vision group of Science and Technology (Government of Karnataka) has established Centre of Excellence in Molecular Biology and Regenerative Medicine and Centre for Clinical Research Excellence (CCRE), approved as a collegium of Clinical Development Services Agency (CDSA) to promote various research activity and clinical trials. Faculty have been successful in getting research grants sponsored from ICMR, DST, DBT, VGST (Government of India) Bill and Melinda Gates Foundation, JSS Academy of Higher Education and Research and other funding agencies. Several projects have been conducted in collaboration with International institutions like Latrobe University, Melbourne, Swedish Heart Lung Foundation, Swedish Karolinska Institutet. Institution has collaborations with various international premiere institutions like Mayo clinic of USA, Khon Khaen University of Thailand, Quinnipiac University, USA, National Institute of Health, UK, to conduct quality research and publication of international standards. Annually more than 530 scientific papers are published in high quality indexed journals. To promote research culture among undergraduate students, the institution has started student research cell through which the students are trained to get successful research grants and publish the scientific data. Faculty, postgraduate and undergraduate students also present their scientific works at the national and international academic programmes and have won many prizes.

### **JSS Hospital**

The JSS hospital is one of the India's biggest hospital equipped with 1800 beds under one roof with latest technology and best medical practices. JSS hospital caters to the ever-increasing health care needs of Mysore and the surrounding population of five districts. The motto of the hospital is to uphold the value of human life and provide advanced care at affordable price to the indigent section of the society.

The hospital provides services in 37 specialties/super specialties and has 67 special clinics offering both inpatient and outpatient services. The new facility offers a wide range of diagnostic services round the clock in Hematology, Biochemistry, Clinical Pathology, Cytology, Histopathology, Microbiology, Serology, Immunology, and Immunohistochemistry, and has high end imaging facilities. Facilities to carry out New born screening, Karyotyping and FISH is established in the department of Genetics.

The hospital is geared to provide excellent service in multi-disciplinary ICU, Surgical ICU, Isolation ICU, Pediatric ICU, Neonatal ICU, Cardiac ICU, Respiratory ICU, Renal ICU, Transplant ICU and Cardiothoracic ICU. These specialized intensive care units are specially staffed and equipped to provide the highest level of care to patients.

JSS Hospital has been accredited by National Accreditation Board for Hospital and Health Care providers in March 2019. JSS Hospital laboratory services are accredited by National Accreditation Board for Testing and Calibration Laboratories in the year 2021.

**LIBRARY & INFORMATION CENTRE :**

The College has an exclusive library with 46497 collections covering all the branches of Medical Science like Anatomy, Physiology, Bio-chemistry, Pathology. Microbiology, Pharmacology Forensic Medicine, Community Medicine, ENT, Ophthalmology. Medicine, Surgery. OBG, Orthopaedics. Paediatrics, Dermatology. Radiology. Anesthesia, Psychiatry. Neurology Nephrology. Urology and general books. The library resources include a good collection of prescribed reference books, textbooks, recommended books, reference works like encyclopedias dictionaries, handbooks, directories, data books, journals back volumes, WHO-technical reports, project reports etc. The library subscribes to 267 National and International journals, and has a fairly good collection of back volumes for reference and research works, project reports and dissertations.

Library being one of the very important organs of educational system is the center of all activities in the campus. Situated in an easily accessible place, it covers **3206 sq mts. With 638 seating capacity, and occupies Seven sections namely the reference, lending, journal, book bank, News Paper, office/technical section and digital section.**

JSS Hospital library is an extension of central/main library, which was established for ready /immediate reference for the benefit of clinical departments & students.

**The College Library also provides:**

1. Reference
2. Circulation of the documents
3. Literature search (Online and CD-ROMs Databases)
4. Wi-fi Internet Facility
5. On-line Databases
6. Reprographic Services
7. Inter library access facility
8. Book bank scheme

**Clinical key Full text Online Database - provides access to :**

1350+ books, 725+ full text Journals, 2900+ pharmacology monographs, 10000+ patient education handouts, 4500+ practice guidelines, 17000+ medical and surgical videos, Millions of Images, **MEDLINE** indexed Abstract and much more, etc.,

Scopus – Abstract Database	Provides provision to access e-journals and electronic databases, <a href="http://www.knowledgenie.org">www.knowledgenie.org</a>
Knowledge genie – Abstract Database	

In addition to the information needs of the students the library also has separate book bank for socially and economically weaker persons who can avail this facility. The members will be permitted to access the other information center on request through inter library scheme.

The Library provides access ClinicalKey Online Full text Online Database i.e 1350+ full text books, 725+ full text Journals, 2900 pharmacology monographs, 10000 patient education handouts, 4500+ practice guidelines, 17,000 medical and surgical videos, MEDLINE indexed Abstract, Millions of Images and etc Scopus- Citation and Abstract Database, and

Knowledgegenine-Abstract Databaseto 3600+ e-journals, electronic corporate databases, news papers etc., and the library utilizes IT extensively to ensure that resources are accessible from anywhere at anytime. The library provides free Wifi internet browsing facilities for the benefit of the students and staff members and also interconnected with the other leading libraries/centers through the internet.

The library is computerized and has the software called “Easylib” which provides online access to catalogue information, databases and journal information. It has adopted open access system & maintains OPAC in the stack. The Smart Campus package has been successfully implemented for the circulation activities, by using the barcode. All the books of library are bar-coded.

The complete classification and the subject wise arrangement using Dewey decimal classification has been made. The library is completely automated with barcode for computerized circulation and OPAC through intranet and internet.

A CD-ROM information center is also maintained for the benefit of the students. The library also maintains a good collection of CDs in different subjects.

Visitors as well as outsiders can also make use of the library through identification and payment of some fees.

**Working Hours College and Hospital Library**

College Library	Monday to Friday	9.00 am to 12.00 pm
	Saturday	9.00 am to 11.00 pm
	Sunday & other Holiday’s	9.30 am to 11.00 pm
	Hospital Library-for Reference	Monday to Saturday
	Sunday & other Holiday’s	9.00 am to 2.00 pm

**During the examination period the library timings will be extended**

**Library provides access the Online Database**

**Scopus-** Citation and Abstract Database is the abstract and citation database of peer reviewed literature and scientific journals, books and conference, proceedings. Delivering a comprehensive overview of the worlds research output in the field of science, technology, medicine, social science and arts and humanities, Scopus features smart tools to tract, analyze and visualize research, scopus has 66 million records dating back to 1823, 72% of these containing reference dating from 1996. It covers 22748 peer reviewed journals, 558book serials 320 trade journals, 707 million conference papers and 28 million patents. etc [www.scopus.com](http://www.scopus.com)

**Clinical Key Online Full text Online Database** covered 1350+ full text books, 725+ full text Journals, 4500+ pharmacology monographs, 10000+ patient education handouts, 4500+ practice guidelines, 13000+ medical and surgical videos, MEDLINE indexed Abstract and etc and [www.clinicalkey.com](http://www.clinicalkey.com)

**Knowledgegenine-Abstract Database** to 3600+ e-journals, electronic corporate databases, news papers etc., and the library utilizes IT extensively to ensure that resources are accessible from anywhere at any time. [www.knowledgegenie.org](http://www.knowledgegenie.org)

## LIBRARY RULES

Guidelines/procedure for Reference and circulation of library books for students.

### A. General procedure/guidelines :-

- i. The Students should submit the details viz., Name, Course, Year, Department, Address for correspondence, e-mail, and a recent passport photograph, to Library Office for the purpose of library database and ID card generation.
- ii. ID card should be collected from the library office.
- iii. The college ID card which acts as Library Card is Not Transferable.
- iv. Students should show ID card for reference and borrowing library books
- v. Students are required to deposit their personal belongings at the property counter at their own risk. The library is not responsible for any loss or damage. Bringing the bags, files, aprons, personal books inside the library is strictly prohibited.
- vi. All the students are requested to sign in the entrance register before entering the library.
- vii. Library books should be handled with utmost care. Nobody should write, mark, damage or make any note in the library books. In case of loss of books/missing pages/ damage, double the amount of the current price of book will be collected.
- viii. In case of loss of ID, a duplicate card will be issued on payment of Rs.200/-
- ix. Every Student should clear all the dues and obtain a "No Dues Certificate" at the end of every academic year.
- x. Suggestions for purchasing books and improving the library services are most welcome.

### B. Reference Section Procedures:-

A List of recommended reference books are kept in the library. Students should have ID card for reference. After reference readers are requested NOT TO REPLACE any book on the shelves. As all are aware that the library is a place of individual study and research, members should maintain an atmosphere of dignity, peace and silence within the library premises.

### C. Circulation Section Procedures:-

For issuing the books, students have to produce the ID card along with the required book. Student should sign in the Book Card mentioning the Date, Membership Number/roll number. After necessary checking, the library staff will issue the book by stamping the due date on the due date slip.

PG/UG Students are eligible to borrow two library documents/books. The books will be issued for 15 days; it will be renewed if document is not in reservation list. The students are not eligible to borrow the loose issues journals/magazines, Back Volumes, Project Report and Audio Visual materials. The borrower is fully responsible for the books borrowed on his/her ID cards.

The students are required to return or renew the book on or before the due- date mentioned on the slip. The library may recall a book at any time before its due date, in case there is a demand by the teaching staff.

Library will charge Rs. 5/- as overdue per day/book/per week, after one week the charges will be Rs. 25/- per day/book. In case borrowers lose the book/s issued to them, they should report it immediately in writing to the Librarian to avoid accumulation of fine. The borrower has to replace the same or liable to pay the cost of the book plus the prescribed overdue charges. The library service will also stand terminated until they completely settle their dues.

If a book belonging to a set is lost, the borrower will be charged for replacing the entire set. Absence and illness are not an acceptable excuse for exemption from paying an overdue charge. In calculating the overdue charges, only institute holidays are left out of the reckoning. If the due date falls on an Institute holiday, the book may be returned on the next working day, without any overdue charges. Lending of books will be stopped two week before the final exams for the students.

The user is requested to check the physical condition of the book before borrowing and if there are any damage/s they should be brought to the notice of the librarian immediately, If not, the borrower will be held responsible for any missing pages/damage/ s of the book at the time of return.

Students should return all books borrowed from the library before proceeding on any kind of long leave. Students should not sub-lend the books borrowed from the library.

## About Medical MSc and M.Sc. Clinical Embryology Programs

Master of Science (M.Sc.) is a postgraduate level Programme offered in Medical subjects like **Anatomy, Physiology, Biochemistry, Pharmacology and Microbiology**. The program provides advanced theoretical as well as practical knowledge in these subjects. MSc course content in classes is imparted through various means such as lectures, projects, seminars and Journal club. and practical training. Pursuing an MSc course primarily helps students enhance their knowledge of a particular subject area. The course helps students not only specializing in a particular discipline. but also boost to the career of students.

The Goals of Postgraduate MSc in Medical Sciences is to produce

1. Competent medical and biomedical teachers with a sound knowledge in basic sciences.
2. Personnel with translational research knowledge
3. Skilled laboratory experts
4. Industry technical experts
5. Competent individuals with emotional intelligence

MSc qualification also helps students crack more lucrative job opportunities as compared to what students get with a BSc degree. Students can enroll for Ph D and actively take part in Research.

**M.Sc. Clinical Embryology** is an recognized qualification that provides academic and professional development for students. In this course, candidates will develop the practical skills, knowledge, and critical awareness required to pursue their career in this particular subject. Training includes involvement in laboratory and experimental work, and research studies. The program allows students to gain a wide breadth of knowledge that can give them confidence in their subject and allow skills to be transferred to the workplace.

The enhancement of academic understanding of clinical embryology gained through the programs provides good prospects for promotion and mobility in the workplace and for application to other positions. Due to the increased demand for infertility treatment, there has been a substantial growth in the demand for high quality laboratory and clinical staff in this area. Following successful completion of the MSc, students can apply for a training position in ART for example in embryology and/or andrology. Alternatively, the course would provide ideal preparation for undertaking a PhD or applying for a research position. Clinically qualified graduates would gain valuable skills to enable them to specialize in reproductive medicine and assume responsibility within an ART Clinic.

<p><b>Dr Jayshree S</b> MSc Clinical embryology Co-ordinator Associate Professor Department of OBG JSS Medical College and Hospital Sri Shivaratheeshwara Nagara Mysuru -570015</p>	<p><b>Dr Vidya C S</b> Medical MSc Co-ordinator Professor Department of Anatomy JSS Medical College Sri Shivaratheeshwara Nagara Mysuru -570015</p>
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## **MSc Medical Genetics & Genomics**

The MSc Medical Genetics program will facilitate the understanding of human molecular genetics, by contrasting and comparing 'normal' and 'diseased' states.

This enables students to acquire a Master's level of knowledge and understanding of the molecules, molecular mechanisms, and current theories of human molecular genetics. This will train individuals and nurture them to emerge as skilled laboratory experts or industrial technical experts with a research attitude

At the end of the postgraduate training the student will be able to:

- Acquire basic and specialized knowledge and understand the aspects of Cytogenetics and Biochemical genetics
- Understand the complexity of the human genome and the molecular mechanism at the system level and how the body functions in health and illness.
- Familiarize themselves with the common genetic disorders
- Understand the working principle of a microscope
- Understand the genetics focused on immune-mediated traits and update the concepts about the regulation of immune responses and build the basis for an interdisciplinary concept for translational research.
- Develop strong foundational knowledge and skills in genetic counseling encompassing medical genetics; psychological and ethical issues; and familial and social implications of genetic contributions to health and human disease
- Have an insight into the advanced concepts like proteomics, genetics of infertility and assisted reproductive technology, microbial genetics, and Intellectual property rights.

Career Prospects –

Genetics as a career is in peak demand considering the latest advancements like personalized and precision-based medicine, pharmacogenetics, immunogenetics, reproductive genetics, etc.

- Students can pursue higher studies like PhD
- They can become an academician/researcher in other reputed institutes
- They may be employed by hospitals, pharmaceutical companies, and universities
- They can work in a molecular diagnostic set-up as clinical or research scientist

## **Course Co-ordinator**

**Dr Akila Prashanth**

Professor of Biochemistry

JSS Medical College

Mysore-15

Ph 9008097970

## **About MSc Clinical Psychology**

The Department of clinical psychology is pleased to offer a post-graduation course in clinical psychology which is unique of its kind. The department in collaboration with its sister department of psychiatry has all the necessary impetus to ground this course on the stable platform. The department has well trained and qualified faculty members to handle this course with high academic credentials.

The course is well balanced as per UGC – CBCS system with the theory, clinical training and practicals which will ensure the necessary clinical skills in the aspirants, to strongly build their career in psychology, which would guarantee their place among the specialists.

Students of this course will get a rare opportunity of getting exposure to specialized departments like neurology, community medicine, psychiatric social work, occupational therapy, physiotherapy, sexual medicine and speech and hearing.

To make the course skill- based, their then electives and internships are carefully drafted which would induce the necessary clinical competence in them to relate themselves with the specialist by the end of their course.

Clinical posting to each student is fashioned in such a way in the course where it would be possible for them to have a better hands-on experience with a better understanding towards psychopathology, assessments, interventions after completing their Master of Science in Clinical Psychology.

**Career Opportunities:** The course would equip the students to practice as a Psychologist and deal efficiently with psychological issues of people in various strata of the society.

The graduates can seek employment as psychologists in

- School and Educational centres as counsellors
- Community mental health programs
- Rehabilitation/day-care Centres
- Assisting Clinical Psychologists and Psychiatrists in psychometric evaluation

The candidates would be eligible, equipped and highly skilled to further pursue their M.Phil. / PDCP / Psy.D. in Clinical Psychology from an RCI recognized institutions.

#### **Course Co-ordinator**

Rithvik S Kashyap  
Assistant Professor and Head(incharge)  
Department of Clinical Psychology  
JSS Hospital, Mysore  
Ph : 9611314087

#### **About Master in Public Health**

Creation of a dedicated **Public Health Cadre** has been identified as one of the critical pre-requisites in achieving the Sustainable Development Goal envisioned by the UN general assembly. To this end, Public Health professionals are key players in bridging the gap between the clinical and managerial aspects of the implementation of health programs across the world, in various preventive, promotive, curative, and rehabilitative settings. Public Health Programs entail an enhanced focus on the study of disease epidemiology, various determinants of health, and emerging challenges in health, public policy making and program management locally and globally.

Upon completion of the program, candidates will acquire following competencies: - Analytical, assessment and research skills; policy planning and development skills; communication skills for advocacy; skills in dissemination and evaluation of Public Health data and information; and financial planning and management skills for managing national and international level Public Health programs.

**Duration of the program:** Two years (Four Semesters including Dissertation and Internship)

**Program Outline:** 16 Core modules + 3 electives (Out of six)

**Career Opportunities:** Graduates of MPH can work in the roles of Program manager, project coordinator, epidemiologist, research assistants in national, state and district government health organizations, Non-Government Organizations (NGOs), international agencies including WHO, UNICEF, UNDP, MSH,



JHPIEGO, and BMGF, Public Health research institutes (ICMR, PHFI, etc), and pharmaceutical companies, CSRs (Tata Trust, Reliance Foundation) etc.

***Dr Anil Bilimale***

*MPH Program Coordinator,*

*Assistant Professor*

Dept. of Community Medicine

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Mysuru -570015

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## RULES & REGULATIONS

### **Important Note:**

Ragging is prohibited as per the decision of the supreme court of India in write petition no. (c) 656/1998. If an incidence of ragging comes to the notice of the authority , the accused student will be given an opportunity to explain and if the explanation is not satisfactory the authority will initiate suitable action against the accused student". Also sexual harassment is strictly prohibited as per UGC guidelines & is punishable under various provisions of IPC.

### **Bus Timings**

College to Hospital	No. of Bus	Hospital to College	No. of Bus
08.20 am	01	04.15 pm	01

### **DISCIPLINE :**

Discipline and punctuality are the two basic requirements to become a good post graduate. The students should be regular and punctual for the teaching.

### **DRESS CODE:**

**GIRLS :** Should be dressed in Chudidars or Sarees only with hair combed neatly. (Scarf if any to be worn inside the apron).

**BOYS :** Should be dressed in formal shirts, trousers and leather shoes and will be well groomed with short hair. Jeans pants not allowed.

**INTERNATIONAL STUDENTS :** Should also dress formally and which is acceptable regionally.

### **ANYTHING OTHER THAN THE ABOVE IS NOT ALLOWED :**

Nails are to be trimmed and not to be painted. **Cell-phone** usage by the students is not allowed in the college premises. Neat aprons with identity cards on upper left side shall be worn in the college and hospital premises.

### **DURATION OF THE COURSE :**

Medical MSc and MSc Genetics course – 3 years with six semesters and MSc Clinical Embryology and MSc Clinical psychology - 2 years.

MPH-The total duration of the course is slated for 2 years (around 4 semesters) full time with internship and dissertation

### **ATTENDANCE :**

Candidates should have attended at least 80% of the total number of classes conducted in each semester, from the date of commencement of the term to the last working day, as notified by the JSSAHER, in each of the subjects prescribed for that semester, separately in theory and practical, to be eligible to appear for the examinations

**M.Sc. Clinical Embryology** Candidates shall have attended at least 80% of the total number of classes conducted from the date of commencement of the term to the last working day, as notified by the JSS AHER, in theory and clinical training jointly, to be eligible to appear for the JSS AHER examinations. Candidate lacking in prescribed percentage of attendance in theory and clinical training jointly will not be eligible to appear for final examination in that subject. However candidate shall put in required attendance in subsequent term and appear for JSSAHER examination

**MPH** : Candidates shall have at least attended 80% of the total number of classes conducted in each semester for theory and practicals separately from the date of commencement to the last working day as notified in all the papers collectively.

#### **INTERNAL ASSESSMENT:**

**Medical MSc:** Two Internal Assessment tests will be conducted for both theory and practical in each semester covering all domains of learning and feedback will be provided for improvement of the student. Average of two internal assessments in theory and practical's separately will be considered for final internal assessment marks. A candidate should get minimum 50% IA marks separately in theory and practical to be eligible for final JSSAHER examinations. 5 The candidates who have failed in final examination shall be given an internal assessment improvement test and the best marks shall be submitted to JSSAHER when called for

**MSc Clinical Embryology:** There shall be minimum two periodical tests in theory for Modules 1, 2 and 3 spread over evenly in first term. The Average of the two tests will be calculated and submitted to the JSS AHER. Students shall secure 35% marks to appear for the final exam for Modules 1, 2 and 3.

One theory and practical internal assessment examination will be conducted in second, third and fourth term for modules 4, 5 & 6 at GARC Bengaluru. Average of the three internal assessments shall be submitted to the JSS Academy of Higher Education & Research at least 15 days before the commencement of final exam. The Records and marks obtained in such tests will be maintained by the Head of the Departments. A Mock exam will be held one month before the final exam for modules 4, 5 & 6 to see if students are eligible to attend the final exams. For candidates who has failed in final examination shall be given an internal assessment improvement test and the best marks shall be submitted to JSS AHER.

#### **Dissertation Work**

During the course of study every candidate has to prepare a dissertation individually on selected topic under the direct guidance and supervision of a recognized post graduate teacher

The suggested time schedule for dissertation work is:

- ♦ Identification and selection of topic for dissertation - in first 4 weeks.
- ♦ Preparatory work for dissertation / synopsis and submission of the synopsis to the Ethical clearance within first 6 months from the beginning of Second year as per the dates notified by the Ethics committee.
- ♦ Data collection for dissertation. Writing the dissertation in the following 1 year.

#### **Submission of dissertation**

The dissertation shall be submitted to the controller of examination of the JSS AHER three months before final examination or as per the dates notified.

**MSc Clinical embryology** students shall submit the project at the end of second year

### **MSc Genetics and Genomics**

**Attendance** Candidates should have attended at least 80% of the total number of classes conducted in an academic year, from the date of commencement of the term to the last working day, as notified by the Deemed to be University, in each of the subjects prescribed for that year, separately in theory and practical, to be eligible to appear for the Deemed to be University examinations.

#### **Internal assessment**

Formative assessment will be done continuously to assess medical knowledge, procedural & academic skills, interpersonal skills, professionalism, self-directed learning and ability to practice in the system. Periodic Internal Assessment will be conducted frequently covering all domains of learning and feedback will be provided for improvement of the student.

### **MSc Clinical Psychology**

#### **ATTENDANCE :**

Candidates should have attended at least 80% of the total number of classes conducted in an academic year, from the date of commencement of the term to the last working day, as notified by the JSSAHE&R, in each of the subjects prescribed for that year, separately in theory and practical, to be eligible to appear for the JSS AHER examinations.

#### **CONTINUOUS INTERNAL ASSESSMENT (CIA):**

The department shall conduct tests in each semester for Internal Assessment. The marks obtained in this internal assessment shall be sent to the university examination department before each university examination. Marks of periodic tests shall be displayed on the notice board by the Head of the department without fail. If a candidate is absent from the test due to genuine and satisfactory reason, such a candidate may be given a re-test within a fortnight.

**NOTE:** A student must secure at least 50% of total marks fixed for internal assessment for a particular subject to be eligible to appear in university examination in that subject. The internal assessment marks **will be added** to the marks obtained in the university examination for declaration of pass.

#### **Internal assessment details (in each semester):**

**Group A (Core Papers):** 50 Marks IA would comprise of two internal assessment tests within semesters, class presentations and assignment.

**Group B (Clinical Posting & Practicals):** 50 marks IA would comprise of psychodiagnostic observation report submission, case presentation & practical records. 50 marks for ESE practical examinations with Viva/voce

**Group C (Electives both DSE & OE):** 25 Marks IA would comprise of assignment submission on a given topic and class presentation.

#### **Dissertation:**

During the course of study every candidate has to prepare a dissertation individually on selected topic under the direct guidance and supervision of a recognized post graduate teacher. The suggested time schedule for dissertation work is:

- Identification and selection of topic for dissertation – by the end of first semester.
- Preparatory work for dissertation /synopsis and submission of the synopsis to the Ethical clearance within duration of Second semester as per the dates notified by the Ethics committee.
- Data collection for dissertation. Writing the dissertation in the following 1 year.

### About MPH Program

**Continuous Internal Assessment (CIA):** The Continuous Internal Assessments may be in the form of a combination of periodical tests, assignments, seminar and % of attendance. Such schedule for CIA procedure will be displayed on the notice board in the beginning of the semester. The course teacher shall intimate the internal mark of the candidates and their attendance detail to the student through notice board. There shall be a minimum of two internal assessment (IA) in theory and practical examination per subject, across all subjects each semester. The average marks of the two IA examination shall be submitted to JSS AHER at least 15 days before the commencement of the end semester examination. Candidates require a minimum of 40% marks for advancing to the next semester or to graduate. Based on this detail and CBCS regulation, the Controller of Examinations will issue hall ticket (admit cards) for end semester examination, through HOD. During the fourth semester, CIAs of all semesters related to the professionalism, values and communication shall be compiled from all the faculty and an average score shall be assigned.

### Details of Sessional Assessment/ Internal Assessment for Sem I, II, III (25 marks)

Examination	Assessment	% Marks
Test	Average of best two test performance	40
Assignment(Field visit reports, etc)	Average of the submitted	20
Seminar	Presentation on a given topic (Average score)	20
Attendance	Per semester	20

The question paper for the test, topic of the assignments and seminar will be assigned by the respective course teacher. All tests will be conducted only on prior notice in the respective departments. The exact date and timing will be announced by the HOD at the start of the semester. The internal marks for attendance is as follows:

Attendance	Marks
80-85% of attendance	2 marks
85-90% of attendance	3 marks
90-95% of attendance	4 marks
95-100% of attendance	5 marks

**Details of CIA in Semester IV for 75 marks:-**

<b>Examination</b>	<b>Assessment</b>	<b>% Marks</b>
Professionalism, Values, Communication, Achievements	Average of the conduct from four semesters as assessed by all faculties including place of internship	40
Assignment (Field visit reports, Resume building, Synopsis timelines etc)	Average of the submitted	20
Seminar, Mock Interview assessment	Presentation on a given topic (Average score)	20
Attendance	Per semester	20

**Note:** Paper presentations in conferences, publishing of articles, awards, performance in sports, extra-curricular activities, etc throughout the course will have weightage and will be recognized in IV semester as achievements

Enhancing report writing skills, soft skills, leadership and communication skills will be the key to achieve good marks during CIAs.

**DISSERTATION**

Candidates should submit their project plan and preliminary time scale with their chosen **topic** for dissertation at the end of the first semester to their mentor/tutor to seek appropriate approvals before embarking on the full investigation and project. In the *second month* of the *second semester*, **synopsis** must be submitted according to the standard guidelines of JSS AHER. During the *IV semester*, **data collection and analysis** will be done. At the end of the four months of fourth semester, candidates will submit their dissertation on previously chosen and approved topic for assessment. The soft copy shall be sent to external examiner for evaluation. This will be a 10-credit course. The dissertation will be evaluated by an internal examiner (60% weightage) and an external examiner (40% weightage) including a defense and viva-voce.

## Examination Rules

### **During Theory Examinations:**

While writing theory examinations the students are advised to observe the following :

- \* Must make a Note of correct timings of the examinations and attend accordingly.
- \* Should bring the admission tickets to the hall every day. They should read the instructions given in the admission tickets and act accordingly.
- \* Should not wear aprons.
- \* Should not carry mobiles, any electronic gadgets, chits, slips or any written matter into the hall.
- \* Students should not reveal their identity in any manner and only the registration number is to be written on the first page in the given box.
- \* Should not do any act, which may make them liable to be booked under malpractice.

### **During Practical Examinations:**

- \* They should wear neat white aprons.
- \* Bring the admission tickets with them on each day of the examination.
- \* Bring the required instruments and other accessories.
- \* Bring the record books of work done which are duly certified by the Head of the department.

### **SPECIAL NOTE FOR ALL STUDENTS**

Students going for trips / excursions shall take prior permission from Principal by giving an undertaking.



### Academic programs offered

Medical MSc Anatomy

Medical MSc Physiology

Medical MSc Biochemistry

Medical MSc Pharmacology

Medical MSc Microbiology

MSc Clinical Embryology

MSc Genetics

MSc Clinical Psychology

Master's in public health

### Calendar of events of I Semester Medical MSc and Medical Genetics Course

Term Commencement	28 <sup>th</sup> October 2021
Induction Programme	27 <sup>th</sup> October 2021
Duration	6 months
I Internal Assessment	First week of December 2021 tentatively
II Internal Assessment	First week of February 2022 tentatively
JSS AHER Examinations	2 <sup>nd</sup> week of April 2022 tentatively

### Calendar of events I term of MSc Clinical Embryology Course

Term Commencement	28 <sup>th</sup> October 2021
Induction Programme	27 <sup>th</sup> October 2021
Duration	6 months
I Internal Assessment	First week of December 2021 tentatively
II Internal Assessment	First week of February 2022 tentatively
JSS AHER Examinations	2 <sup>nd</sup> week of April 2022 tentatively

**Calendar of events of M.Sc. Clinical Psychology – I year (Sem 1 & 2)**

Term Commencement	27 <sup>th</sup> October 2021
Induction Programme	26 <sup>th</sup> October 2021
Duration	One Year
Sem – I Internal Assessment-I	First week of January 2022 tentatively
Sem – I Internal Assessment-II	Second week of March 2022 tentatively
JSS AHER Examinations End Semester Exam – Sem I	Third week of April 2022 tentatively
Announcement of Results	Last week of April 2022
Commencement of Semester - II	Third week of May 2022 tentatively
Sem – II Internal Assessment-I	First week of August 2022 tentatively
Sem – II Internal Assessment-II	Last week of September 2022 tentatively
JSS AHER Examinations End Semester Exam – Sem II	4 <sup>th</sup> week of October 2022 tentatively
Announcement of Results	1 <sup>st</sup> Week of November 2022

**Calendar of events for MPH Program**

Semester I	Nov	Dec	Jan	Feb	Mar	Apr
	Induction	Elective Selection	Internal I	Dissertation topic and timeline approval	Internal II	Exam/ Semester Holiday
15 days semester break						
Semester II	May	Jun	Jul	Aug	Sep	Oct
	Elective Selection	Synopsis Submission with Ethics committee approval	Internal I		Internal II	Exam/ Semester Holiday
1 month – Semester break Optional Swacch Bharath Internship (15 days - 2 Credits)						
Semester III	Nov	Dec	Jan	Feb	Mar	Apr
	Semester Holiday/ Elective Selection	Internship location finalization	Internal I		Internal II	Exam/ Semester Holiday
15 days semester break						
Semester IV	May	Jun	Jul	Aug	Sep	Oct

	Dissertation & Submission	Internship/ Exams
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**Timetable for first semester Medical MSc course**

<b>Days</b>	<b>9 am-10 am</b>	<b>10am-11am</b>	<b>11am-12pm</b>
<b>Monday</b>	-----	-----	<b>Physiology Practical</b>
<b>Tuesday</b>	Anatomy Theory	Physiology -Theory	Biochemistry-Theory
<b>Wednesday</b>	Physiology-Theory	Anatomy Theory	Biochemistry Theory
<b>Thursday</b>	Biochemistry-Theory	Physiology Theory	Anatomy Theory
<b>Friday</b>	-----	-----	<b>Anatomy Practical</b>
<b>Saturday</b>	<b>Biochemistry Practical</b>		-----

**Subjects and hours of teaching for theory, practical and clinical training of First Semester**

<b>Theory</b>		<b>Hrs</b>	<b>Credits</b>
Core 1	Anatomy I: General anatomy, general histology, Musculoskeletal system, CVS & blood vessels, GIT, Renal system.	40	4
Core 2	Physiology I	40	4
Core 3	General biochemistry	40	4

<b>Practicals</b>			
Module1	Anatomy I: Demonstration of bones of limbs, Demonstration of slides of general Histology and slides of GIT, Liver & gall bladder & renal system, Demonstration of pericardium & heart, Demonstration of GIT organs, Demonstration of urinary system organs	30	1
Module2	Physiology I	30	1
Module3	Basic biochemistry experiments Part I	30	1
<b>Non- Core Subjects</b>			
General Electives	Yoga/Music	30	2
<b>Total</b>		<b>250</b>	<b>17</b>

**Conduct of Examination**

The end semester examination for core papers will be held at the end of each semester for both Theory and Practical separately, conducted by JSS AHER. Examinations for non- core subjects will be conducted by respective Colleges. Division of marks for non - core paper will vary according to the subjects.

**Theory Examination: –3 hours paper, 100 marks for each core paper.**

**Pattern of theory question paper**

<b>Theory</b>			
<b>Type of Questions</b>	<b>Number of Questions</b>	<b>Marks for each question</b>	<b>Total</b>
Long Essay	2	10	20
Short Essay	10	5	50
Short Answer	10	3	30
<b>Total Marks</b>			<b>100</b>

**Examination Pattern:**

<b>First Semester- JSSAHER Examination</b>				
<b>Theory Examination</b>				
<b>Category</b>	<b>subjects</b>	<b>IA</b>	<b>Final Exam</b>	<b>Total</b>
Core 1	<b>Anatomy I:</b> General anatomy, General histology, Musculoskeletal system, CVS & Blood vessels of body, GIT, Renal system	100	100	200
Core 2	Physiology I	100	100	200
Core 3	General biochemistry	100	100	200
<b>Practicals</b>				
Module1	Anatomy I	100	100	200
Module2	Physiology I	100	100	200
Module3	General biochemistry	100	100	200
<b>Non -Core subjects</b>				
		<b>Theory</b>	<b>Practical</b>	<b>Total</b>
Gen Electives	Yoga/Music	25	25	50

**1. Criteria for declaring as pass in JSS AHER examination**

Candidate should secure minimum 50% marks in each subject Theory including IA marks and Practicals including IA Marks separately to declare pass both in core and non – core papers.

Theory and Practical shall be considered as separate course. If a candidate passes in practical examination but fails in theory paper, such candidate is exempted from reappearing for practical but shall have to appear for theory paper in which subject paper candidate in has failed the subsequent examinations or vice versa. Those candidates who failed in one or more subjects shall have to appear only in the subject so failed, in the subsequent examinations.

A candidate securing less than 50% of marks as described above shall be declared to have failed in the examination. Failed candidate may appear in subsequent examination upon payment of examination fee to the JSSAHER.

**Allied papers and elective papers:**

The minimum prescribed marks for a pass shall be 35% of the maximum marks prescribed for a course.



**Time Table for First term M.Sc Clinical Embryology**

Days	Theory (10.00AM to 12.pm)	Practical (2.00 PM to 4.00 PM)
Monday	Biochemistry	OBGPOSTINGS (Hospital)
Tuesday	Physiology	Statistics
Wednesday	Anatomy	OBGPOSTINGS (Hospital)
Thursday	Pharmacology	OBGPOSTINGS (Hospital)
Friday	Microbiology (Hospital)	OBGPOSTINGS (Hospital)
Saturday		

**Schedule of Examinations :** The JSS AHER Examination for **M.Sc Clinical Embryology** shall be held at the end of I term and IV term

**Subjects and hours of teaching for Theory and Practicals**

**Table : Distribution of subjects and teaching hours in I Term**

SI No	Modules	Subjects	Theory hours
1	Modules 1	Section A: Anatomy Section B: Physiology	30 30
2	Modules 2	Section A: Biochemistry Section B: Pharmacology	30 30
3	Modules 3	Section A: Microbiology Section B: Statistics	30 30

**Table : Distribution of subjects and teaching hours in II, III and IV Term**

Sl.No.	Modules	Subjects	Theory hours	Clinical training
1	Modules 4	Embryo development and Infertility	60	200
2	Modules 5	Laboratory techniques	60	
3	Modules 6	Good laboratory practice and recent advances	60	

**Distribution of marks for JSS AHER Examinations of I Term**

Sl.No.	Modules	Subjects	Theory Paper	IA
1	Modules 1	Section A: Anatomy Section B: Physiology	40 40	10 10
2	Modules 2	Section A: Biochemistry Section B: Pharmacology	40 40	10 10
3	Modules 3	Section A: Microbiology Section B: Statistics	40 40	10 10

**IV Term**

Sl.No.	Modules	Subjects	Theory Paper	IA	IA Practicals	Final Practicals	Viva voce on project and subjects
1	Modules 4	Embryo development and Infertility	80	20	40	160	20 + 80
2	Modules 5	Laboratory techniques	80	20			
3	Modules 6	Good laboratory practice and recent advances	80	20			

Combined Practical examination for modules 4,5 and 6.

**Question paper pattern for 40 marks**

Marks	No. of questions	Total marks
10	01	10
05	03	15
03	05	15
<b>Total marks</b>		<b>40</b>

**Question paper pattern for 80 marks**

Marks	No. of questions	Total marks
10	02	20
05	06	30
03	10	30
<b>Total marks</b>		<b>80</b>

## Medical Genetics & Genomics

**Time Table of 1<sup>st</sup> Semester - MSc Medical Genetics & Genomics (CBCS)**

Days	9 AM to 10 AM	10 AM to 11 AM	11 AM to 12 PM	12 PM to 1 PM	2 PM to 3 PM	3 PM to 4 PM
Monday	Lab Module I – Genetics			Biochemistry & Molecular Medicine Theory – 1	Fundamentals of Genetics & Human Cytogenetics Theory – 1	Biochemistry & Molecular Medicine Theory – 2
Tuesday	Human Anatomy & Embryology Theory – 2		Physiology Theory – 1 & 2		Use of model organisms to study human diseases Theory – 1	Scientific writing & presentation Theory – 1
Wednesday	Lab Module 4 – Biochemistry & Molecular Medicine			Biochemistry & Molecular Medicine Theory – 3	Biochemistry & Molecular Medicine Theory – 3	Fundamentals of Genetics & Human Cytogenetics Theory – 2
Thursday	Lab Module 1 – Genetics			Fundamentals of Genetics & Human Cytogenetics Theory – 3	Use of model organisms to study human diseases Theory – 2	Scientific writing & presentation Theory – 2
Friday	Lab Module 2 – Basic cell immortalization techniques				Biochemistry & Molecular Medicine Theory – 4	Fundamentals of Genetics & Human Cytogenetics Theory – 4
Saturday	Lab Module 3 – Human cytogenetics					

**Time Table of II Semester - MSc Medical Genetics & Genomics (CBCS)**

Days	9 AM to 10 AM	10 AM to 11 AM	11 AM to 12 PM	12 PM to 1 PM	2 PM to 3 PM	3 PM to 4 PM
Monday	Principles of Evolution & Population Genetics Theory – 1	Principles of Developmental Biology Theory – 1	Cell Biology Theory – 1	Student seminar	Biostatistics Theory – 1	Lab module 5 – Biostatistics & programming in R
Tuesday	Principles of Evolution & Population Genetics Theory – 2	Bioinformatics Theory – 1	Lab module 7 – Bioinformatics		Elective – 2	
Wednesday	Principles of Evolution & Population Genetics Theory – 3	Principles of Developmental Biology Theory – 2	Lab module 6 – Cell Biology		Ethics in Genetics Theory – 1	Essentials in Immunology Theory – 1
Thursday	Principles of Evolution & Population Genetics Theory – 4	Cell Biology Theory – 2	Lab module 6 – Cell Biology		Elective – 1	
Friday	Principles of Evolution & Population Genetics Theory – 5	Bioinformatics Theory – 2	Lab module 7 – Bioinformatics		Biostatistics Theory – 1	Doubt clearing session
Saturday	Genetic counselling Theory – 1	Essentials in Immunology Theory – 2				

**Time table Semester I - Distribution of teaching hours**

<b>Category</b>	<b>Course Title</b>	<b>Theory hours</b>	<b>Credits</b>
<b>SEMESTER - I</b>			
Core – 1	Human Anatomy & Embryology	60	4
Core – 2	Biochemistry & Molecular Medicine	60	4
Core – 3	Fundamentals of Genetics & Human Cytogenetics	60	4
Allied – 1	Scientific writing & presentation	30	2
Allied – 2	Use of model organisms to study human diseases	30	2
Practicals	Lab Module 1 – Genetics	60	4
	Lab Module 2 – Basic cell immortalization techniques	30	2
	Lab Module 3 – Human cytogenetics	40	2
	Lab Module 4 – Biochemistry & Molecular Medicine	40	2
	Laboratory postings	40	4
	<b>Total</b>	<b>450</b>	<b>30</b>

**Distribution of Subjects and marks for I Semester in theory and practical examination**

Category	Course Title	Theory (Max Marks)		Practical Max Marks)
		UE	NUE	
<b>SEMESTER - I</b>				
Core – 1	Human Anatomy & Embryology	100	--	--
Core – 2	Biochemistry & Molecular Medicine	100	--	--
Core – 3	Fundamentals of Genetics & Human Cytogenetics	100	--	--
Allied – 1	Scientific writing & presentation	--	Assignment for 50	--
Allied – 2	Use of model organisms to study human diseases	--	50	--
Practicals	Lab Module 1 – Genetics	--	--	<ul style="list-style-type: none"> <li>• 200 marks practicals</li> <li>• 100 marks viva</li> </ul>
	Lab Module 2 – Basic cell immortalization techniques	--	--	
	Lab Module 3 – Human cytogenetics	--	--	
	Lab Module 4 – Biochemistry & Molecular Medicine	--	--	
<b>TOTAL</b>		<b>300</b>	<b>100</b>	<b>300</b>

Table 3: Pattern of theory question paper for core subjects

<b>Theory</b>			
Type of Questions	Number of Questions	Marks for each question	Total
Long Essay	2	10	20
Short Essay	10	5	50
Short Answer	10	3	30
<b>Total Marks</b>			<b>100</b>

Table 4: Pattern of theory question paper for Allied and elective subjects

<b>Theory</b>			
<b>Type of Questions</b>	<b>Number of Questions</b>	<b>Marks for each question</b>	<b>Total</b>
Long Essay	1	10	10
Short Essay	5	5	25
Short Answer	5	3	15
<b>Total Marks</b>			<b>50</b>

Table 5: Pattern of practical examination

<b>Practicals</b>	<b>Marks</b>
Record	<b>50</b>
Major experiment	<b>100</b>
Minor experiment	<b>50</b>
Viva	<b>100</b>
<b>Total Marks</b>	<b>300</b>

**Practical examination will be for 200 marks and 100 marks for viva in the Semester I, II and III. Total marks for Practicals are 300 for each semester.**

**Criteria for declaring as pass in final examination for 1<sup>st</sup> year:**

Core paper: Candidates are declared to have passed in a course, if they secure 50% of marks in JSSAHER examination. Theory & practical shall be considered as separate course. If a candidate passes in practical examination but fails in theory paper, such candidate is exempted from reappearing for practical but shall have to appear in the subsequent examination for the theory paper in which the candidate has failed OR vice versa.

**Allied papers and elective papers:**

The minimum prescribed marks for a pass shall be 35% of the maximum marks prescribed for a course.

## MSc Clinical Psychology

### Timetable for first year MSc Clinical Psychology Course:

#### Semester- I

	10-11	11-12	12-1	Lunch break	2 -3pm	3-4pm	4-5pm
<b>Monday</b>	Clinical Posting - Batch 1 & 2 Practicals – Batch 3 & 4				PTDA – L	ICP – L	T&EMP L
<b>Tuesday</b>	Clinical Posting – Batch 3 & 4 Practicals – Batch 1 & 2				PTDA – L	PTDA – L	PTDA – T
<b>Wednesday</b>	Clinical Posting - Batch 1 & 2 Practicals – Batch 3 & 4				T&EMP - L	T&EMP - L	T&EMP – T
<b>Thursday</b>	Clinical Posting – Batch 3 & 4 Practicals – Batch 1 & 2				ICP – L	ICP – L	ICP – T
<b>Friday</b>	Clinical Posting - Batch 1 & 2 Practicals – Batch 3 & 4				DSE I & II	DSE I & II	
<b>Saturday</b>	Clinical Posting – Batch 3 & 4 Practicals – Batch 1 & 2				OE I & II	OE I & II	

T&EMP = Theory & Evolution of Modern Psychology; ICP = Introduction to Clinical Psychology; PTDA = Psychological Test Development & Assessment; DSE -I = School Mental Health ; DSE -II: Psychology of Addiction; OE I = Basics in Psychiatry; OE – II Basics of Speech & Hearing; L = Lecture; T = Tutorials

#### Semester III

	10-11	11-12	12-1	Break	2 -3pm	3-4pm	4-5pm
<b>Monday</b>	Clinical Posting - Batch 1 Practicals – Batch 2				DSE V & VI	DSE V & VI	
<b>Tuesday</b>	Clinical Posting – Batch 2 Practicals – Batch 1				C & G L	C & G L	C & G T
<b>Wednesday</b>	Clinical Posting - Batch 1 Practicals – Batch 2				ACP- L	ACP L	ACP – T
<b>Thursday</b>	Clinical Posting – Batch 3 & 4 Practicals – Batch 1 & 2				Advanced Statistics - L		
<b>Friday</b>	Dissertation Work				C&G – L	ACP – L	AS T
<b>Saturday</b>	Dissertation Work				OE V & VI	OE V & VI	

C&G= Counselling & Guidance; ACP = Advanced Cognitive Psychology; AS= Advanced Statistics; DSE – V = Family Interventions; DSE – VI= Neuropsychological rehabilitation; OE – V = Introduction to Physiotherapy; OE – VI = Basics of Neurology,



**Timetable for first year MSc Clinical Psychology Course:**

**Semester- II**

	10-11	11-12	12-1	Lunch break	2 -3pm	3-4pm	4-5pm
<b>Monday</b>	Clinical Posting - Batch 1 & 2 Practicals – Batch 3 & 4				CPP– L	APP – L	RMCP L
<b>Tuesday</b>	Clinical Posting – Batch 3 & 4 Practicals – Batch 1 & 2				RMCP – L	RMCP – L	RMCP – T
<b>Wednesday</b>	Clinical Posting - Batch 1 & 2 Practicals – Batch 3 & 4				APP - L	APP - L	APP - T
<b>Thursday</b>	Clinical Posting – Batch 3 & 4 Practicals – Batch 1 & 2				CPP– L	CPP– L	CPP– T
<b>Friday</b>	Clinical Posting - Batch 1 & 2 Practicals – Batch 3 & 4				DSE III & IV	DSE III & IV	
<b>Saturday</b>	Clinical Posting – Batch 3 & 4 Practicals – Batch 1 & 2				OE III & IV	OE III &IV	

CPP = Child Psychopathology; APP= Adult Psychopathology; RMCP = Research Methods in Clinical Psychology; DSE -III = Organizational Mental Health ; DSE -IV: Psycho-oncology; OE III = Basics in Occupational Therapy ; OE – IV Basics of Psychiatric Social Work; L = Lecture; T = Tutorials

**Semester IV**

	10-11	11-12	12-1	Break	2 -3pm	3-4pm	4-5pm
<b>Monday</b>	Clinical Posting - Batch 1 Practicals – Batch 2				PT - L	AHP - L	
<b>Tuesday</b>	Clinical Posting – Batch 2 Practicals – Batch 1				PT – L	PT - L	PT – T
<b>Wednesday</b>	Clinical Posting - Batch 1 Practicals – Batch 2				AHP- L	AHP L	AHP – T
<b>Thursday</b>	Clinical Posting – Batch 2 Practicals – Batch 1				Dissertation work		
<b>Friday</b>	Clinical Posting - Batch 1 Practicals – Batch 2				Dissertation work		
<b>Saturday</b>	Clinical Posting – Batch 2 Practicals – Batch 1				OE VII & VIII	OE VII &VIII	

PT = Psychotherapy; AHP = Applied Health Psychology; OE – VII = Introduction to Hospital Administration ; OE – VIII = Basics of Psychiatric Nursing; L = Lecture; T = Tutorials

**Distribution of Teaching Hours & Marks M.Sc. Clinical Psychology - Semester-I**

Subject code		Name of subject	Credit distribution (L, T, P are hours/week)				Marks distribution		
			L	T	P	Credit	CIA	ESE	Total
Group A	MSCP 001	Theories & evolution of Modern Psychology	3	1	0	4	50	50	100
	MSCP 002	Clinical Psychology	3	1	0	4	50	50	100
	MSCP 003	Psychological Test Development & Assessment	3	1	0	4	50	50	100
Gr	MSCP 004	Psychological Assessment: Practicals & Clinical Posting - I	-	-	12	6	50	50	100
Group C	*DSE – I or DSE – II	School Mental Health	-	2	-	2	25	25	50
		Psychology of Addiction	-	2	-	2	25	25	50
	*OE – I or OE - II	Basics in Psychiatry	-	2	-	2	25	25	50
		Speech & Hearing	-	2	-	2	25	25	50
<b>Total</b>			<b>9</b>	<b>7</b>	<b>12</b>	<b>22</b>	<b>250</b>	<b>250</b>	<b>500</b>
*Any one of the two DSE and Any one the two OE papers must be opted by the students per semester.									

**Distribution of Teaching Hours & Marks M.Sc. Clinical Psychology - Semester-II**

Subject code		Name of subject	Credit distribution (L, T, P are hours/week)				Marks distribution		
			L	T	P	Credit	CIA	ESE	Total
Group A	MSCP 005	Child Psychopathology	3	1	0	4	50	50	100
	MSCP 006	Adult Psychopathology	3	1	0	4	50	50	100
	MSCP 007	Research Methods in Clinical Psychology	3	1	0	4	50	50	100
Gr	MSCP 008	Psychological Assessment: Practicals & Clinical Posting - II	-	-	12	6	50	50	100
Group C	*DSE – III or DSE – IV	Organizational Mental Health	-	2	-	2	25	25	50
		Psych-oncology	-	2	-	2	25	25	50
	*OE – III or OE - IV	Occupational Therapy	-	2	-	2	25	25	50
		Psychiatric Social Work	-	2	-	2	25	25	50
<b>Total</b>			<b>9</b>	<b>7</b>	<b>12</b>	<b>22</b>	<b>250</b>	<b>250</b>	<b>500</b>
*Any one of the two DSE and Any one the two OE papers must be opted by the students per semester.									

**Distribution of Teaching Hours & Marks M.Sc. Clinical Psychology - Semester-III**

Subject code		Name of subject	Credit distribution (L, T, P are hours/week)				Marks distribution		
			L	T	P	Credit	CIA	ESE	Total
Group A	MSCP 009	Advanced Cognitive Psychology	3	1	0	4	50	50	100
	MSCP 010	Advanced Statistics	3	1	0	4	50	50	100
	MSCP 011	Counselling & Guidance	3	1	0	4	50	50	100
Group B	MSCP 012	Psychological Assessment: Practicals & Clinical Posting III	-	-	12	6	50	50	100
Group C	*DSE – V or DSE – VI	Family Interventions	-	2	-	2	25	25	50
		Neuropsychological rehabilitation	-	2	-	2	25	25	50
	*OE – V or OE - VI	Physiotherapy	-	2	-	2	25	25	50
		Neuroimaging and Brain Studies	-	2	-	2	25	25	50
<b>Total</b>			<b>9</b>	<b>7</b>	<b>12</b>	<b>22</b>	<b>250</b>	<b>250</b>	<b>500</b>
*Any one of the two DSE and Any one the two OE papers must be opted by the students per semester.									

**Distribution of Teaching Hours & Marks M.Sc. Clinical Psychology - Semester-IV**

Subject code		Name of subject	Credit distribution (L, T, P are hours/week)				Marks distribution		
			L	T	P	Credit	CIA	ESE	Total
Gro	MSCP 013	Psychotherapy	3	1	0	4	50	50	100
	MSCP 014	Applied Health Psychology	3	1	0	4	50	50	100
Gro	MSCP 015	Clinical Posting & Practicals -IV	-	-	12	6	50	50	100
	MSCP 016	Dissertation#	-	-	-	6	70	30	100
Group C	OE VII or OE-VIII	Hospital Administration		2		2	25	25	50
		Psychiatric Nursing		2		2	25	25	50
<b>Total</b>			<b>6</b>	<b>4</b>	<b>12</b>	<b>22</b>	<b>245</b>	<b>205</b>	<b>450</b>
#70 marks for Dissertation submission, 30 marks for Viva-voce end-semester examination with external examiner.									

**Criteria for declaring as pass:**

A Candidate should get 50% marks in each subject (Theory including IA marks). A candidate securing less than 50% of marks as described above shall be declared to have failed in the examination. Failed candidate may appear in subsequent examination upon payment of examination fee to the JSS AHER. A successful candidate is awarded pass class irrespective of percentage, as these marks will be considered while awarding the class at the end of final year.

**Final Examination:** A candidate should get 50%marks in (1) Theory, (2) Practical and viva-voce examination

separately. A candidate securing less than 50% of marks as described above shall be declared to have failed in the examination. Failed candidate may appear in any subsequent examination upon payment of fresh fee.

Those candidates who fail in one or more subjects shall have to appear only in the subject so failed, in the subsequent examinations. A candidate shall score 50% marks in Practicals including Viva voce to be declared Pass. A candidate if failed in Practicals including Viva voce and passed in theory, candidate needs to repeat only Practicals including Viva voce.

**Award of Degree:** A candidate who has passed all the subjects of all semesters shall be eligible for award of Degree

**Scheme of Examination:**

Question paper pattern for end semester University theory examinations (marks)

<b>Time: 2 Hours</b>		<b>Maximum Marks 50</b>
Part A	Long Answers Answer any two questions out of three	2 x 10 = 20
Part B	Short Answers Answer any four questions out of five	4 x 5 = 20
Part C	Brief Notes Answer all questions	5 x 2 = 10
Total		50 marks

**Time table for first semester MPH Program**

Day	8-9am	10-11am	11-12pm	12-1pm	2-3pm	3-4pm	4-5pm
Monday	_____	Field Visits/ Synopsis Work			Theory Class	Theory/ Statistics	Theory Class
Tuesday	_____	Visit to UHC			Theory Class	Theory/ Statistics	Theory Class
Wednesday	Theory	Group Synopsis/ Work	Discussions/ Project	Seminar/ Club	Journal	Theory Class	Theory/ Statistics Theory Class
Thursday	_____	Visit to PHC			Theory Class	Theory/ Statistics	Theory Class
Friday	Theory	Group Synopsis/ Work	Discussions/ Project	Seminar/ Club	Journal	Theory Class	Theory/ Statistics Theory Class
Saturday	_____	Group Synopsis/ Work	Discussions/ Project	Seminar/ Club	Journal	_____	

**Semester wise hours of teaching and credit hours**

<b>Suggested calendar of activities</b> (1 month ~ 120 teaching hours @ 6 hours per day* 5 days a week + Saturdays ~ 3 teaching hours * 4 weeks) 1 hour theory/week = 1 credit ; 2 hours practicals/week = 1 credit 1 hour theory/practical teaching: 3 hours of self directed study				
Semesters	Months	In/out Campus	Approximate division of Teaching/practical hours	Credits
Semester 1	6 months	In campus classes	~ 600	26
Semester 2	6 months	In campus classes	~ 600	26
Semester 3	6 months	In campus classes	~ 600	26
Semester 4	4 months	Research, Submission and defense of dissertation	~ 480	10
	2 months	Internship	~ 240	6
<b>TOTAL</b>				94

### 1. End semester Examination:

**a. JSS AHER Examinations:** The JSS AHER shall conduct theory and practical examinations for the core subjects at the end of each semester. The candidates, who satisfy the requirement of attendance and Internal Assessment shall be eligible to appear for end semester examination.

**b. Non JSS AHER Examinations:** Examinations for elective subjects shall be conducted by the department and the marks obtained shall be submitted at least 15 days prior to the end semester examination. The marks of non-core subjects shall be incorporated in the marks card issued by JSS AHER. The candidates shall have passed all the subjects of semester I,II and III before appearing for Semester IV research project examination.

### 2. Scheme of Examination:

Question paper pattern for end semester University theory examinations (marks)

Time: 3 Hours		Maximum Marks 75
Part A	Long Answers: Answer any two questions out of four	2 x 15 = 30
Part B	Short Answers: Answer all questions choosing either a or b	5 x 6 = 30
Part C	Brief Notes: Answer all questions	5 x 3 = 15
Total		75 marks

### 1. Criteria for pass

**Core Subjects:** Candidates are declared to have passed in a subject, if they secure 50% of marks in JSS AHER examination and internal assessment added together. Theory & practical shall be considered as separate subjects.

**Elective papers:** The minimum prescribed marks for pass shall be 50% of the maximum marks prescribed for a subject.

SEMESTER I							
Paper	Category	MODULES	Hours/Week	CIA	Theory/Practical Exam	Maximum Marks	Credits
Paper I	Core -1 Core -2 Core -3	Introduction to Public Health – Principles, Practices, Health System, Demography & Population sciences and Health Policy	4	25	75	100	4
Paper II	Core -4	Basic Epidemiology	4	25	75	100	4
Paper II	Core -5	Basic Biostatistics	4	25	75	100	4
Paper IV	Core -6	Health Management: Management Principles and Practices (Strategic management)	4	25	75	100	4
Elective I	Elective 1 or	Advanced Epidemiology	4	25	75	100	4
	Elective 2	Health System Management					
Practical I	Practical 1	Practicals	12	25	75	100	6
<b>Total Credits for I Semester</b>							<b>26</b>

SEMESTER 2							
Paper	Category	MODULES	Hours/Week	CIA	Theory/Practical Exam	Maximum Marks	Credits
Paper V	Core -7	Introduction to Health Economics	4	25	75	100	4
	Core -8	Introduction to Financial Management and Budgeting					
Paper VI	Core -9	Health Promotion Approaches and Methods	4	25	75	100	4
Paper VII	Core -10	Social and Behavior Change, Effective Communication in Health Care	4	25	75	100	4
Paper VIII	Core -11	Gender and Health & Public Health Nutrition	4	25	75	100	4
Elective II	Elective 3 or Elective 4	Advanced Biostatistics	4	25	75	100	4
		Public Health Finance and Organizational Management					
Practical I	Practical 2	Practicals	12	25	75	100	6
<b>Total Credits for II Semester</b>							<b>26</b>

SEMESTER 3							
Paper	Category	MODULES	Hours/Week	CIA	Theory/Practical Exam	Maximum Marks	Credits
Paper IX	Core -12	RMNCH+A	4	25	75	100	4
Paper X	Core -13	Introduction to Health Programs and evaluation	4	25	75	100	4
	Core -14	Principles of Social Research Methods					
Paper XI	Core -15	Law and Ethics in Public Health	4	25	75	100	4
Paper XII	Core -16	Environment and Occupational Health	4	25	75	100	4
Elective III	Elective 5 or Elective 6	Effective Advocacy, Communication & NGO role in healthcare	4	25	75	100	4
		Health Policy, Programme and Planning					
Practical III	Practical 3	Practicals	12	25	75	100	6
<b>Total Credits for III Semester</b>							<b>26</b>

<b>SEMESTER 4</b>						
<b>Paper</b>	<b>Category</b>	<b>Hours/Week</b>	<b>CIA</b>	<b>Theory/Practical Exam</b>	<b>Max Marks</b>	<b>Credits</b>
Practical IV	Dissertation submission and Research – Paper presentation	20	50	150	200	10
Practical V	Internship & Report submission assessment - Viva Voce	12	25	75	100	6
<b>Total Credits for IV Semester</b>						<b>16</b>



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JSS Medical College  
(Constituent College)

### The Anti Ragging Committee

Sl.No	Name / Designation	Position	Mobile No. & e-mail
1.	<b>Dr. Manjunatha B</b> <i>Registrar, JSS AHER</i>	Chairman	974112331 registrar@jssuni.edu.in
2.	<b>Dr. H. Basavana Gowdappa</b> <i>Vice Chancellor, JSS AHER, Principal, JSS Medical College Mysuru</i>	Co-Chairman	9845115962 hbgowda@gmail.com
3.	<b>Dr. H.V Chandrakanth</b> <i>Prof. &amp; HOD of For. Med.&amp; Chief Warden, JSS MC Hostels JSS Medical College campus, Mysuru</i>	Member Secretary	Chandparu20076@gmail.com

### RAGGING

#### What Constitutes Ragging?

Any conduct whether by words spoken or written by an act which has the effect of harassing, teasing or handling with rudeness any other students indulging in rowdy or undisciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or a junior student or asking the students to do any act or perform something which such student will not in the ordinary course and which has the effect of causing or generating a sense of scheme or embarrassment so as to adversely affect the physique or psycho of a fresher or a junior student

#### Punishable ingredients of ragging:

- Abetment to ragging
- Criminal conspiracy to rag
- Unlawful assembly and rioting which ragging
- Public nuisance created during ragging
- Violation of decency and morals through ragging
- Injury to body, causing hurt or grievous hurt
- Wrongful restraint
- Wrongful confinement
- Use of criminal force
- Assault as well as sexual offences or even unnatural offences

- Extortion
- Criminal trespass
- Offences against property
- Criminal intimidation
- Attempts to commit any or all the above mentioned offences against the victim
- Physical or psychological humiliation
- All other offences following from the definition of ragging

**Awardable punishments:**

- ♦ At the Medical College/Institution level : depending upon the nature and gravity of the offence as established by the anti ragging committee of the institution, the possible punishments for those found guilty of ragging at the institution level shall be any one or any combination of the following
  - ♦ Suspension from attending classes and academic privileges
  - ♦ Withholding /with-drawing scholarship/fellowship and other benefits
  - ♦ Debarring from appearing in any test / examination or other evaluation process withholding results
  - ♦ Debarring from representing the institution in any regional, national or international meet, tournament, youth festival etc.,
  - ♦ Suspension/expulsion from the hostel { cancellation of admission
  - ♦ Rustication from the institution for period ranging from 1 to 4 semesters
  - ♦ Expulsion from the institution and consequent debarring from admission to any other institution for a specific period.
  - ♦ Fine of Rs. 25000/- and Rs. 1.00 lakh
  - ♦ Collective punishment: when the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment.

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**STUDENT GRIEVANCE REDRESSAL COMMITTEE**

<b>Sl. No.</b>	<b>Name</b>	<b>Position</b>	<b>Mobile No. &amp; e-mail</b>
1.	<b>Dr. H. Basavana Gowdappa</b> <i>Vice Chancellor, JSS AHER Principal, JSS Medical College, Mysuru</i>	Chairman	9845115962 hbgowda@gmail.com
2.	<b>Dr Nayanabai Shabadi</b> Assistant Professor Department of Community Medicine JSS Medical College, Mysuru	Member Secretary	8105828888 grievancejssmc@gmail.com

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**Internal complaints Committee (ICC) on Sexual Harassment of women at workplace**

Sl. No.	Name	Position	Mobile No. & e-mail
1.	<b>Dr. Akkamahadevi P.</b> <i>Professor</i> Dept. Anaesthesia JSS Medical College Mysuru - 570 015	Chairman	7406784848 pakkamahadevi@jssuni.edu.in
2.	<b>Dr. Vidya C S,</b> <i>Professor</i> Dept. of Anatomy JSS Medical College, Mysuru.	Member Secretary	9449679386 vidyacs@jssuni.edu.in

## **SEXUAL / GENDER HARASSMENT PREVENTION**

**The following constitute sexual harassment (the list is only Indicative and notexhaustive)**

- ♦ Demand or request for sexual favours
- ♦ Sexually coloured remarks
- ♦ Showing pornography
- ♦ Other unwelcome physical verbal or non verbal conduct of a sexual nature
- ♦ Eve teasing
- ♦ Unsavoury remarks
- ♦ Jokes causing or likely to cause awkwardness or embarrassment
- ♦ Innuendos and taunts
- ♦ Gender based insults or sexist remarks
- ♦ Unwelcome sexual overtone in any manner such as over telephone (obnoxious telephone calls) and the like
- ♦ Touching or brushing against any part of the body and the like
- ♦ Displaying pornographic or other offensive or derogatory pictures, cartoons, pamphlets or savings.
- ♦ Forcible physical touch or molestation
- ♦ Physical confinement against one's will and any other act likely to violate one's privacy

**Punishments Under Various Sections of IPC**

326 A	Voluntarily causing grievous hurt by use of acid etc.,	Ten years/ life imprisonment fine of 10 Lakhs Rupees
326 B	Voluntarily throwing or attempting to throw acid	Five to seven years imprisonment
354	Assault or use of criminal force to woman with intent to outrage her modesty	1 to 5 years imprisonment with fine
354 A	1. Sexual harassment of the nature of unwelcome physical contact and advances or a demand or request for sexual favors	Upto 5 year imprisonment or with fine or with both.
	2. Sexual harassment of the nature of making sexually closed remarks or showing pornography or any other unwelcome physical, verbal or nonverbal conduct of sexual nature.	Upto 1 year imprisonment or with fine or with both.
354 B	Assault or use of criminal force to women with intent to disrobe.	3 to 7 imprisonment with fine
354 C	Voyeurism	1 to 3 years imprisonment with fine for first conviction. 3 to 7 years imprisonment with fine for second or subsequent conviction.
354 D	Stalking (whoever follows a person and contacts or attempts to contact such person to foster personal interaction repeatedly, despite a clear indication of disinterest by such person or whoever monitors the use by a person of the internet, email or any other form of electronic communication, or watches or spies on a person in a manner that results in a fear of violence or serious alarm or distress in the mind of such person or interferes with the mental peace of such person)	1 to 3 years imprisonment with fine
376	1. Sexual assault	7 years of life rigorous imprisonment
376 A	2. Sexual assault by a person on the management or on the staff of a hospital, and sexual assault committed by a person in a position of trust or authority towards the person assaulted	10 years to life rigorous imprisonment with fine
376 B	Person committing an offence of sexual assault and inflicting injury which causes death or causes the person to be in a persistent vegetative state	20 years to life rigorous imprisonment
376 C	Sexual intercourse by a person in authority	5 to 10 years rigorous imprisonment with fine
376	Sexual assault by gang	20 years life rigorous imprisonment

376	Repeat offenders	Imprisonment for life
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