

**INSPIRE**  
**iMPACT**



**JAIN**  
DEEMED-TO-BE UNIVERSITY

SCHOOL  
OF ALLIED  
HEALTHCARE  
AND SCIENCES

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## About

# Jain (Deemed-to-be University)

Jain (Deemed-to-be University) is promoted by JGI Group, a leading education provider and entrepreneurship incubator in India with more than 30 years of experience. The University is accredited by the National Assessment and Accreditation Council of India with Grade 'A' and has been provided Graded Autonomy status by MHRD, Government of India. It has also featured in the QS World Rankings 2018 and has been ranked 351 – 400 among 9000 Institutions in the BRICS component. A Deemed-to-be University since nine years, it is now ranked 6th among top private universities in India, (India Today Nielsen Best Universities Survey, 2018).

The new-age undergraduate and postgraduate programs offered by the University are globally acclaimed and designed flexibly to suit the needs of corporate world. Whether it is technology, science, business, healthcare, sports or the arts, the faculty and staff are highly experienced and qualified to lead you toward your best. The curriculum and pedagogy are hands-on, distinctive and contemporary. You will be challenged to be enterprising and think independently. Along with its academic endeavors, Jain (Deemed-to-be University) is also known for encouraging and promoting entrepreneurship. In addition to academic skills, you will get an opportunity to start your own company, become employer and add to the growth and development of your country with the support of Chenraj Roychand Centre for Entrepreneurship.

Jain (Deemed-to-be) University is a world-class university of high repute. The cosmopolitan community and environment, dedicated and experienced staff, open and interactive methods of instruction, and hands-on, skill-based training give our graduates an unparalleled exposure with enviable advantages within their chosen fields.

## The School of Allied Healthcare & Sciences

At The School of Allied Healthcare & Sciences, we always strive to be a dynamic learning centre that trains professionals in integrated areas of the healthcare industry. We offer unique & comprehensive experience for our undergraduates and graduates students who are pursuing exciting careers in the medical sciences. Ideally located at Bengaluru, a city which is renowned for its dedication to all tiers of healthcare, from learning institutions to advanced hospitals.

We envision to deliver advanced specialized training for healthcare professionals so that they may complete and complement healthcare facilities around the world, becoming the key support system to the medical fraternity.

We provide the highest standards of instruction and experience on par with top universities across the globe. Our campus has been built to combine an extensive set of multi-disciplinary fields, closely integrated with each other. This arrangement creates a collaborative environment where healthcare professionals coordinate with one another to enhance their skills. They also develop a practical understanding of departmental interaction and relationships within medical institutions, as well as the requirements of each.

In order to assure that our graduates meet international expectations, the curriculum has been tailored to include courses which are not typically offered in India. Many fields taught by our esteemed professors are cutting-edge disciplines that push the boundaries of medical diagnostics and treatment. We train our healthcare professionals to be at the forefront of these fields, as their expertise will be sought after in research facilities as well as healthcare institutions.

## Did you know?

Jain (Deemed-to-be University) has been **ranked 351 - 400** among 9000 institutions in the BRICS component by QS World Rankings 2019.



## Vision

To foster human development through excellence in Quality Education, Research and Entrepreneurial Development.

## Mission

- ✦ To provide quality education, creating human assets / manpower and intellectual capital
- ✦ To enhance research and development in different disciplines
- ✦ To develop new generation entrepreneurs who will be instrumental in fueling economic growth
- ✦ To create able leaders, managers and technocrats
- ✦ To foster an ethical environment founded on human values in which both spirit and skill will thrive to enrich the quality of life



**Ranked 85<sup>th</sup> By NIRF**  
JAIN (Deemed-to-be University)  
Ranks 85<sup>th</sup>  
in India



**Awarded 5 Stars by KSURF**  
Awarded 5 stars  
in the Young Universities  
Category



**Authorized Partner for SII Program**  
JAIN (Deemed-to-be University)  
is an authorized partner for  
"Study in India" program



**Ranked 91 – 95 By QS**  
Ranked 91 - 95  
among the top  
Indian Universities

## Quick Facts

### Students

13530 from more than 38 countries

### Patents Granted

07

### MoUs and Agreements

88

### No. of Companies Incubated

40

### Member

Association of Indian Universities (AIU)  
Association of Universities of Asia and Pacific (AUAP)

### No. of Publications

3233





SCHOOL  
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AND SCIENCES

# Undergraduate Programs

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# B.Sc

## Anesthesia Technology

B.Sc in Anesthesia Technology is an undergraduate program from JAIN (Deemed-to-be University) which aims to develop health professionals who are competent to work in healthcare settings with skills specific to anaesthesia technology. Anaesthesia technologists are involved with all aspects of care delivery to patients who are in need for perioperative aesthetic care and provide a key role in the emergency resuscitation of patients, taking into account the patients' religious and cultural beliefs and respecting their right to medical privacy and dignity at all times. The program will be able to develop appropriate knowledge and skills required to work as a vital member with other healthcare professionals in different healthcare settings which are related to his/ her speciality, mostly in the perioperative units, (preoperative, intraoperative and postoperative phases).

### Program Outcome

- Practice within the scope of the professional standards of Anaesthesia technology.
- Demonstrate surgical consciousness in all procedures in the operation theatre.
- Practice all anaesthesia procedures following ethical and legal standards.
- Uphold safety, privacy and cultural differences of patients.
- Maintains personal health and safety measures.

### Career Prospects

- Intensive & Critical Care Technician
- Clinical Associate
- Anesthesia Associate
- Anesthesiologist
- Operation Theater Technician
- General Anaesthetist



# B.Sc

## Cancer Biology

B.Sc in Cancer Biology is an undergraduate program from JAIN (Deemed-to-be University). Although tremendous determination has been invested in the fight against cancer and substantial improvement has been made in therapeutic options over the past years, this disease still remains one of the major causes of death. It is thus of paramount importance to put further efforts into better understanding the biology of cancer and into developing means to improve diagnosis and therapy. Thus with the aim of promoting teaching and research in Cancer Biology, the program needs to be the start the program in & Cancer Biology; and offers ample training in cancer research for students. Cancer Biology studies the complex interplay of genes, proteins and biological processes that drive the development and growth of cancers.

### Program Outcome

- Develop an understanding of the disease processes involved in malignancy.
- Understand the scientific rationale for therapeutic options.
- Acquire the academic knowledge to practical applications, particularly in relation to modern diagnostic methods.
- Gain a broad understanding of the biology of normal and cancerous cells. In addition to studying the immune system.

### Career Prospects

Wide variety of careers in hospital laboratories, commercial laboratories, cancer research, pharmaceutical companies and academic institutions.

- Research Associate
- Cell Biologist
- Cancer Research Scientist
- Scientific Analyst
- Principle Investigator
- Molecular Biology Analyst

# B.Sc

## Cardiac Technology

B.Sc in Cardiac Technology is an undergraduate program from JAIN (Deemed-to-be University). As the population ages, due to lifestyle changes, disorders increase and more people are increasing the complications of the heart and other systems. These heart disorders and other problems become the leading cause of death. The advances in medical technology, combined with greater awareness of the signs and symptoms of cardiovascular diseases, and other heart conditions can now be detected much earlier than ever before. Current management of various cardiac disorders includes the application of complex diagnostic and therapeutic procedures, which involve the use of various equipment, computer hardware, tools, machines, and pharmacological agents. Optimal delivery of cardiovascular health care is based on the safe use of the equipment and devices, due to this increase in usage of cardiovascular technologies, there is a greater demand for technologists and technicians trained in a cardiovascular technology program to perform these procedures.

### Program Outcome

- Support experts of the human cardiovascular system in the management of cardiovascular-related disorders.
- Plan and support clinical and scientific activities related to the profession of cardiovascular technology.
- Assist and support for identified complex problems during cardiovascular care of the patients.
- Assist and support to utilise modern tools and techniques in the arena of cardiovascular technology for patient compliance.

### Career Prospects

- Cardiovascular Technician
- Cath Lab Technician
- Nephrologist Technician
- Dialysis Technician
- Echo Cardiographer
- ICU-Intensivist
- Medical Sonographer



# B.Sc

## Critical Care Technology

B.Sc in Critical Care Technology is an undergraduate from JAIN (Deemed-to-be University) is a demanding program of the emergent needs of experts in the fields of infection control, airway care, extubating, oxygen therapy, ventilator care, respiratory support, trauma burns etc.. Services of a critical care technologist are highly desired in every hospital and healthcare unit and the critical need for preparing a competent cadre of young professionals trained in the area of critical care technology and young professionals are responsible for the installation and maintenance of medical devices and machines. For instance, set up machines such as CAT scanners and voice-controlled operating tables in hospitals, and then show medical professionals how to use them and also perform routine maintenance checks and software calibrations, as well as major repairs if a particular machine is malfunctioning.

### Program Outcome

- Demonstrate technical skills in dealing with advanced technology in a critical care setting.
- Assist and support for evidence-based guidelines to the care of patients with critical illness or injury.
- Assist and support the team to demonstrate sound clinical judgement in ICU Settings.
- Assist the doctor in all the clinical procedures as and when necessary.
- Write the investigation forms & send documents to the concerning labs as per instructions

### Career Prospects

Work in hospitals in ICUs, emergency rooms, trauma centres and similar healthcare settings requiring emergency and critical care. Hospitals working in both the private and public sector will be in need of the services.

- Critical Care Technologist
- Intensivist
- Intensive Care Unit Technician
- Critical Care Senior Consultant
- Critical Care Specialist
- Biomedical Equipment Technician

# B.Sc

## Hospital Administration

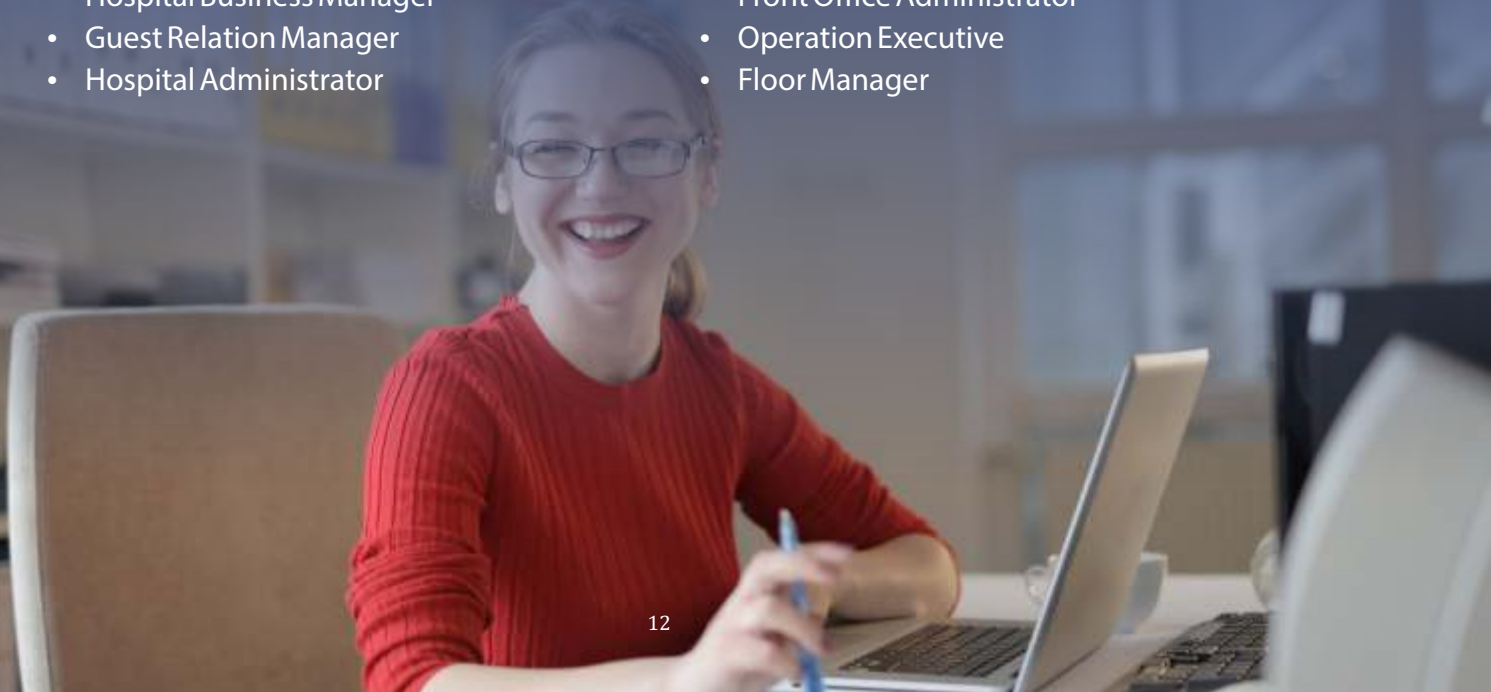
B.Sc in Hospital Administration is an undergraduate from JAIN (Deemed-to-be University). Healthcare area is one of the key and most significant economic / employment sectors in every country, essentially including India. India's healthcare sector has been gradually growing with a CAGR of about 15%; the private sector being most growth-oriented. This program in hospital administration will enable students to work as assistants in the management department of hospitals, private clinics, healthcare centres, and rehabilitation centres at varying hierarchies. The programs deliver the quality hospital administration, community healthcare policy, human resource management, efficient and cost-effective healthcare services, hospital finance, emergency or disaster management, fundraising, collective bargaining, etc.

### Program Outcome

- Develop an understanding of multidisciplinary and multidimensional nature of hospital management and acquire basic insight into functional discipline.
- Apply scientific management approach and managerial tools to improve managerial skills.
- Be deeply committed and sensitive to the need of patients as well as the community.
- Be cost-conscious with a commitment to keep service cost within the reach of the users.
- Apply total quality management technique (TQM).

### Career Prospects

- Hospital Business Manager
- Guest Relation Manager
- Hospital Administrator
- Front Office Administrator
- Operation Executive
- Floor Manager



# B.Sc

## Medical Lab Technology

B.Sc Medical Lab Technology is an undergraduate program from JAIN (Deemed-to-be University). Medical Laboratory Technology is a branch of medical science in performing clinical laboratory investigations which is the first step of diagnosis of any diseases followed with treatment and prevention. The course covers preclinical subjects such as Biochemistry, Pathology, Microbiology, Blood Banking and Basics in laboratory equipment. The programme provides knowledge and training for opted candidates to place in different clinical laboratories. Students enrolled are imparted training in laboratory management ethics through practical sessions, internal assessment, viva-voce and an internship training program/clinical postings in every semester. These professionals play an important role in collecting, sampling, analyzing, reporting and documenting of clinical investigations.

### Program Outcome

- Demonstrate understanding of basic sciences relevant to the specialty.
- Acquire detailed knowledge about the fundamentals and advances of the respective specialty.
- Update knowledge by self-study and by attending courses, conferences and seminars relevant to the specialty.

### Career Prospects

A career contributing to patient care diagnosing medical conditions. Upon graduation, have exciting career opportunities to fulfil the needs of the healthcare industry, bio-laboratory companies, pharmaceutical biotech organisations, fertility research clinics, forensic research.

- Laboratory Technologist
- Clinical Scientist
- Research Associate
- Medical Lab Assistant
- Clinical Biochemist
- Laboratory Technician

# B.Sc

## Medical Record Technology

B.Sc Medical Record Technology program is an undergraduate program from JAIN (Deemed-to-be University). This program is to train students to develop a Medical Record Technician or Health Information Technician professional. It is a managerial job which implicates keeping and maintaining records in medical office settings such as hospitals, clinics, nursing homes and doctor's office. However, they do not have any direct contact with the patient's condition, diagnosis or treatment. A Medical Record Technician or a Health Information Technician's primary role is to compile and maintain patient's records as per healthcare coding standards and keep them updated.

### Program Outcome

- Update knowledge by self-study and by attending courses, conferences and seminars relevant to the specialty.
- Undertake audit, use the information and carry out research both basic and professional with the aim of publishing or presenting the work at various scientific gatherings.
- Perform routine clinical laboratory procedures within acceptable quality control parameters in Hematology, Chemistry, Immunohematology, and Microbiology under the general supervision of a Clinical Laboratory Scientist or Pathologist.

### Career Prospects

There are ample career opportunities for medical record technologists. Career prospects are excellent for these technicians. The candidates can get employment in government-owned public and private hospitals. Diverse profession opportunities are offered in:

- Health Care Centres
- Hospital Clinics
- Multi Faculty Hospitals
- Rural Health Centres
- Nursing Homes
- NGOs & Community Health Centres

# B.Sc

## Nuclear Medicine Technology

B.Sc in Nuclear Medicine Technology is an undergraduate program from JAIN (Deemed-to-be University). Nuclear medicine technology is a clinical speciality that uses radioactive technology and radioactive substances in the diagnosis and treatment of ailments. Nuclear Medicine Technicians support physicians or other professional nuclear medicine personnel in the diagnosis, care and treatment of patients and for research and investigation into the uses of radioactive drugs. They can also act as emergency responders in the case of a nuclear disaster.

### Program Outcome

- Deliver interdisciplinary knowledge to the students which helps them to understand the concepts and practical methods in Nuclear Medicine.
- Embrace specialised training in the areas of nuclear medicine instrumentation, nuclear imaging, radiopharmacy, radiation protection and research methodology.
- Develop the knowledge of effort as allied health professionals and also be able to advance their career in teaching and research.
- Demonstrate proficiency in providing patient care and knowledge of radiation safety precautions & ALARA concepts.
- Perform nuclear medicine imaging procedures according to program and departmental protocol using scientific knowledge and skills in scientific reasoning.

### Career Prospects

- Radiologist
- Research Assistant
- Associate and Lab Leader
- Medical Radiation Dosimetrist
- Nuclear Medicine Technologist
- Isotope Technologist

# B.Sc

## Nutrition & Dietetics

B.Sc Nutrition & Dietetics is an undergraduate program from JAIN (Deemed-to-be University). Nutrition & Dietetics is a field in medical science that aids and keeps individuals fit. The program enables individuals to create a diet plan and help individuals as well as members of an organization to follow a proper diet to keep themselves fit. There various opportunities in this field and a lot of scope for private clinics as well.

### Program Outcome

- Emphasis on all the features of food and its effects on human bodies.
- Develop the study of food management and the promotion of health through healthy food.
- This basically involves advanced learning in ways to enhance the quality of life and overall well-being through dietary modifications.

### Career Prospects

A lot of corporate companies hire nutritionists in order to keep the employees healthy and active. Following are some of the profiles that nutritionists and dietitians can seek:

- Diet Consultant
- Food Show Host
- Researcher
- Therapeutic Dietitian
- Sports Nutritionist
- Administrative Nutritionist
- Nutritional Consultant
- Nutrition Trainer





# B.Sc

## Operation Theater Technology

B.Sc. in Operation Theatre Technology (OTT) is an undergraduate program from JAIN (Deemed-to-be University). Operation Theatre Technology is demanding and emergent needs of experts in the fields of Operation Theatre Management, medical ethics, Anaesthesia Technology, post-operation care. The Operation Theatre and Anaesthesia Technologist are responsible for direct and indirect patient care, equipment set up and operation procedures. They need to be trained to assist the surgeons during the procedures and assume responsibility for completion of other functions as assigned. A modern Operation Theatre is a profusion of various state of the art machines & equipment. The structure, preparation and handling of this equipment then becomes a vital part of the functioning. Qualified technicians are thus in high demand in this line of specialization. Operation theatre technology is meant to train the student in all the procedures in the operation theatre.

### Program Outcome

- Ability to assist the preparation and maintenance of Operation Theater.
- Ability to assist in maintaining equipment support in an acute care environment.
- To assist in recognising and change to maintain a sterile field.
- Assisting for following infection control policies and procedures.
- Provide support to manage and maintain theatre equipment.
- Assist to prepare the patient for operative procedures.

### Career Prospects

- Anaesthetist Consultant
- Associate Consultant
- Medical Assistant
- Lab Technician
- Operating Theatre Technician
- Surgical Assistant

# B.Sc

## Optometry

B.Sc. in Optometry is an undergraduate program from JAIN (Deemed-to-be University) is designed to impart the knowledge and skills needed to have a career in optometry. In this vision care science program students are trained on various eye equipment (including lenses and spectacles) which is imbued with the idea of improving the vision of the human eye and remove all kinds of obstacles of sight which an individual may experience. The demand for optometrists in India and abroad is continuously increasing. They make a health assessment, offer clinical advice, prescribe spectacles or contact lenses and refer patients for further treatment, when necessary. Offering primary eye care, optometry is a challenging, stimulating and exceptionally rewarding profession that offers excellent opportunities for work in India and abroad.

### Program Outcome

- Demonstrate the scientific and statistical principles underlying the practice of optometry.
- Demonstrate knowledge of vision care principles that govern ethical decision making and respect for the dignity of the patient.
- Obtain the pertinent information about a patient using communication, observation and diagnostics.
- Use modern techniques and technologies and assist in providing vision care solutions.
- Recognize the need to engage in lifelong learning through continuing education and research.
- Perform vision tests and report results in Optometrist for analysis.

### Career Prospects

- Optometry Researchers
- Optometry Business
- Vision Consultants
- Private Practitioner
- Optician
- Refractionist



# B.Sc

## Medical Imaging Technologies

B.Sc Medical Imaging Technologies is an undergraduate program from JAIN (Deemed-to-be University). Medical imaging Technologies refers to techniques and processes used to create images of various parts of the human body for diagnostic and treatment purposes within digital health. The term, medical imaging, includes various radiological imaging techniques such as: X-ray radiography. Fluoroscopy. Magnetic resonance imaging (MRI), etc. There various opportunities in this field and a lot of scope for private clinics as well.

### Program Outcome

- Provide patient care & assist in diagnosing the patient in an accurate manner & direction to achieve the optimum result by the Medical Professionals.
- Create awareness of various radiations safety measures meant for staff members and the general public.
- Gain sufficient theoretical knowledge to understand the scientific concepts underpinning Medical Imaging Technologies.
- Demonstrate knowledge of x-ray physics and related math.
- Recognize quality diagnostic images for both technical and anatomical criteria and have the technical ability to correctly repeat images when the quality is not adequate for diagnostics.
- Demonstrate radiation safety for self, staff, and patients as set forth standards.
- Understanding of advanced multiple ARRT imaging modalities and the need for lifelong learning.

### Career Prospects

- X-Ray Technician
- MRI Technician.
- Radiologist Assistant
- Ultrasound Technician
- Radiologic Technologist
- Nuclear Medicine Technologist
- Radiologic Therapist
- CT Tech / CAT Scan Technologist

# B.Sc

## Renal Dialysis Technology

B.Sc in Renal Dialysis Technology is an undergraduate program from JAIN (Deemed-to-be University). The quality of medical care has improved tremendously in the last few decades due to the advances in technology, thus creating fresh challenges in the field of healthcare. It is now widely recognized that health service delivery is a team effort involving both clinicians and non-clinicians, and is not the sole duty of physicians and nurses. Renal Dialysis Technology is one of the best innovative and pioneering academic training programs in Allied Health Sciences. The growing awareness of the Kidney diseases among the people and increasing numbers of Dialysis facilities resulted in steep demand for Renal Dialysis Technicians.

### Program Outcome

- Demonstrate understanding of basic sciences relevant to the speciality.
- Acquire detailed knowledge about the fundamentals and advances of the respective speciality.
- Update knowledge by self-study and by attending courses, conferences and seminars relevant to the speciality.
- Undertake audit, use the information and assist to carry out research both basic and professional with the aim of publishing or presenting the work at various scientific gatherings.
- Demonstrate knowledge about Renal Failure (ARF & CRF) and its management.

### Career Prospects

- Nephrologist Technician
- Clinical Coordinator
- Lab Technician
- Renal Program Admission Coordinator
- Dialysis Technician
- Medical Technician
- Lecturer/ Professor

# B.Sc

## Virology & Immunology

B.Sc in Virology & Immunology is an undergraduate program from JAIN (Deemed-to-be University). This program provides a broad background in biomedical science, as well as information about viruses and the diseases they cause. Students will study the immune system and how it controls infection. Students will also learn about autoimmune diseases that can occur if the immune system attacks the body's own tissues rather than an infectious agent. The program helps to review the main viral diseases of humankind in terms of their natural history, biology, molecular biology, immunology, pathogenesis and epidemiology. Students will learn about cutting-edge issues in virology and immunology, including emerging viruses such as the Marburg, Ebola and recent viruses.

### Program Outcome

- Basic replication strategies of viruses and the fundamentals of interactions between viruses & the host.
- Role and importance of innate and adaptive immunity to host defence against micro organisms.
- Functions and properties of different cell types and organs that comprise the immune system.
- Processes involved in immune cell development.
- The assembly and expression of antigen receptor molecules during lymphocyte development.
- The cellular interactions and activation of immune cells in response to foreign antigen and cytokines.

### Career Prospects

- Virologist
- Microbiologist
- Environmental Scientist
- Epidemiologist
- Immunologist
- Viral Pathologist



# B.Sc Honours

## Psychology

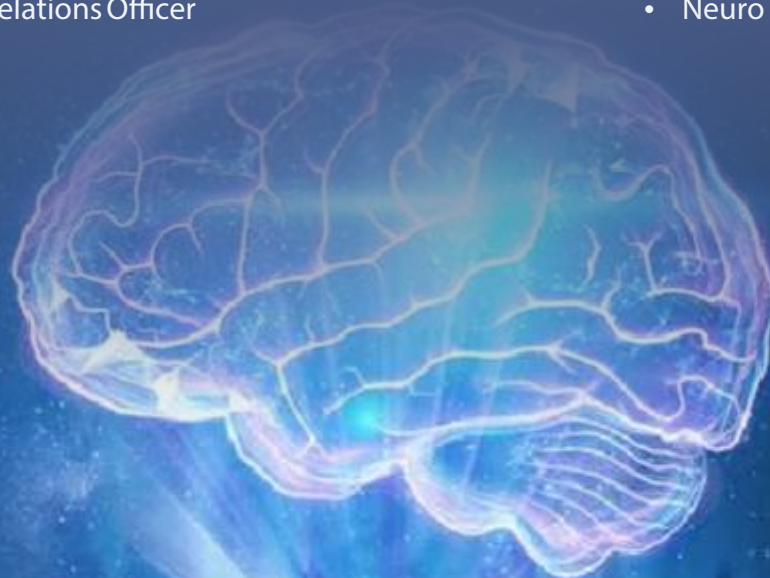
B.Sc (Hons) in Psychology is an undergraduate program in the domain of scientific studies with a specialization in the study of mind, behaviour and psyche of the human. Psychology as a domain of application of scientific principles aims at studying behaviour, mind, consciousness, and actions of humans in a wholesome and comprehensive manner. So the program focuses on understanding individuals and groups by establishing general principles and researching specific cases. The students are made aware of all the key principles and concepts of the subjects during the duration of the program.

### Program Outcome

- Better understanding of the social science and natural science concepts in the functioning of the human mind, body and behaviour.
- Identify the relationship between psychology and other fields and its application across various disciplines.
- Develop awareness and understanding of how personal factors influence academic growth.

### Career Prospects

- Career Employment Specialist
- Child Support Specialist
- Clinical Psychologist
- Counselling Psychologist
- Community Relations Officer
- Forensic Psychologist
- Human Resources Assistant
- Health Educator
- Industrial Psychologist
- Neuro Psychologist



# BCA

## IT for Healthcare

BCA in IT for Healthcare is an undergraduate program from JAIN (Deemed-to-be University). The BCA program envisions providing students with prominent skills in software development and Information Technology of Healthcare to the students, allowing them to excel in the software & healthcare industry. It also trains students to develop soft skills. This Bachelor of Computer Application program aims to develop personnel that are academically competent and professionally motivated. The program aims to impart high-quality training to the student using the latest in computer technology and the well-trained to deal with the constant changes in the field of Computer Sciences. The program has a wide-range, integrating the cutting edge and ensuring that the students have a firm grasp on the core fundamentals.

### Program Outcome

- To work effectively both as an individual and a team leader on multidisciplinary projects.
- Inculcates the ability to analyze, identify, formulate and develop computer applications using modern computing tools and techniques.
- To integrate ethics and values in designing computer applications.
- Design and Implement Information Systems.
- Apply statistical concepts to analyze data.

### Career Prospects

The program provides plenty of opportunities in the field of software and healthcare industry.

- Software Developer
- Software Engineer
- Database Administrator
- Database Programmer
- Web Developer
- Systems/ Network Administrator

# B.Com

## Healthcare

B.Com (Healthcare) is an undergraduate program from JAIN (Deemed-to-be University). Health business is a branch of economics concerned with issues related to efficiency, effectiveness, value and behaviour in the production and consumption of health and healthcare. In broad terms, health economists study the functioning of healthcare systems and health-affecting behaviours. Health economists evaluate multiple types of financial information: costs, charges and expenditures. Uncertainty is intrinsic to health, both in patient outcomes and financial concerns. The knowledge gap that exists between a physician and a patient creates a situation of distinct advantage for the physician. Health Economists are in high demand around the globe. Solving pressing problems in low- and middle-income countries requires solid skills. The program is the entry into international agencies, academic research institutions and private corporations. The program drives on to conduct international work in health economics, both in low- and middle-income countries and developed nations.

### Program Outcome

- To foster the use of health economics methods and findings across all levels of health care decision-making.
- To conduct leading-edge methodological research in the field of health economics to advance the science of the discipline.

### Career Prospects

Health economists will evaluate health care policies and appease numerous challenges in the healthcare field. These careers include work in hospitals, academia and research, universities, health insurance corporations, pharmaceutical companies, governmental bodies and even international organisations.

- Healthcare Analyst
- Hospital Administrator
- Public Relations Officer
- Accounts Manager
- Finance Manager
- Pharmaceutical Product Manager
- Medical Practice Manager
- Health Informatics Manager



# BA Honours

## Healthcare Tourism & Hospitality

BA (Hons) in Healthcare Tourism and Hospitality is an undergraduate program from JAIN (Deemed-to-be University). The growth in standards of living brought about by the rapid pace of the development also brings with it a whole new set of challenges in healthcare delivery for a nation with a population of 1.25 billion. The Indian healthcare industry is forecast to become one of the biggest by the year 2020 and continue to grow exponentially for decades to come. Tourism and hospitality are one of the fastest-growing sectors of the global economy and the demand for senior managers and specialised roles is increasingly rapidly. This program will help to develop the skills needed to work in this global business, dealing with the commercial, social and cultural challenges that it brings.

### Program Outcome

- Understand what tourism, hospitality and Healthcare is: definition, components, and importance.
- Understand the economic, social and environmental benefits and costs of tourism, hospitality and Healthcare.
- Understand the structure of hospitality operations and career ladders.
- Understand the different types of events, meetings and conventions.

### Career Prospects

- Healthcare Agent/Consultant
- Medical Tourism Manager
- Guest Relationship Manager
- Tour Operation Manager
- Travel Coordinator
- Spa & Wellness Industry

# BMS

## Healthcare Management

BMS in Health Care Management is an undergraduate program from JAIN (Deemed-to-be University). As the demand for healthcare grows, the business behind it becomes more complex. Prepare to meet the challenge by developing in-demand skills to help steer modern practices or manage the business. That means studying topics like accounting, communication, regulation and financial resource management as they apply to the healthcare industry. BMS Healthcare Management curriculum to prepare with management-level skills and an up-to-date understanding of our healthcare delivery system and develop your strategy to advance in healthcare leadership.

### Program Outcome

- Demonstrate an understanding of how technology and legal and ethical issues impact the delivery of healthcare services.
- Apply planning and evaluation methods used in strategic planning, implementation, evaluation, and marketing of healthcare organizations.
- Evaluate study designs, methods and strategies for data analysis used in health-related research.
- Apply healthcare management concepts and theories.

### Career Prospects

- Healthcare Managers
- HR Manager in Healthcare
- Finance Manager in Healthcare
- Public Relations Officer
- Health Information Manager
- Hospital Administrator





# Postgraduate Programs

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# M.Sc

## Cancer Biology

M.Sc in Cancer Biology is a postgraduate program from JAIN (Deemed-to-be University). Although tremendous determination has been invested in the fight against cancer and substantial improvement has been made in therapeutic options over the past years, this disease still remains one of the major causes of untimely death. It is thus of paramount importance to put further efforts into better understanding the biology of cancer and into developing means to improve diagnosis and therapy. Cancer Biology studies the complex interplay of genes, proteins and biological processes that drive the development and growth of cancers. Understanding the many different biological systems underlying cancer's development is essential for understanding cancer and identifying new targets for treatment.

### Program Outcome

- Develop an understanding of the disease processes involved in malignancy.
- Understand the scientific rationale for therapeutic options.
- Acquire the academic knowledge to practical applications, particularly in relation to modern diagnostic methods.
- Gain a broad understanding of the biology of normal and cancerous cells. In addition to studying the immune system.

### Career Prospects

Wide variety of careers in hospital laboratories, commercial laboratories, cancer research, pharmaceutical companies and academic institutions.

- Microbiologist
- Biochemist
- Biophysicist
- Epidemiologist
- Natural Sciences Managers
- Medical & Clinical Laboratory Technologist

# M.Sc

## Cellular & Molecular Oncology

M.Sc in Cellular & Molecular Oncology is a postgraduate program from JAIN (Deemed-to-be University). It aims at providing specialized theoretical and practical knowledge in the cellular and molecular genetics of cancer with the knowledge to create specialized manpower for high quality clinical and basic research in the perspective of human cancer. Emphasis is given to ensure that students develop an in-depth understanding of cancer along with a clear understanding of allied subjects both in theory and applied techniques. With enthusiastic, innovative and focused approach will provide a changing nature of cancer research with special emphasis on human genome, molecular medicine, cancer genomics & proteomics, bioinformatics, and drug design and targeting. It also provides students appropriate communication skills to effectively disseminate research and technical information, including practical implications of research analysis. It will equip the students of this course with a range of transferable skills, knowledge and opportunities to pursue a career at the highest level in industry or research.

### Program Outcome

- To develop in-depth knowledge of normal cell signalling and how it is compromised in cancer cells.
- To develop comprehension capabilities to integrate theory, appropriate research methods and technical information and apply to develop new products/technologies.
- To gain the intellectual to solve problems in cancer biology using a range of different approaches and techniques.
- Apply the knowledge to solve the typical problems related to molecular medicine and technology and be able to commercialize the same.

### Career Prospects

Choice of careers in the publishing, health and pharmaceutical industries, or can continue their studies as doctoral students.

- Molecular Biologist
- Cellular Scientist
- Biomedical Researcher
- Epidemiologist
- Natural Sciences Researcher
- Clinical Laboratory Technologist

# M.Sc

## Hospital Administration

M.Sc in Hospital Administration is a postgraduate program from JAIN (Deemed-to-be University). The program aims to improve a cadre of professional managers for the rapidly growing hospital sector. As hospitals become an increasingly complex technical environment employing people with widely divergent skills, the need to manage them efficiently without any compromise to the humane and caring environment that the sick need, brings forth the need for a new type of health professional - the hospital manager. The program prepares students for leadership roles in the hospital sector through training in planning, operational and project management of hospitals including orientation in the managerial aspects of clinical and support services. The program also imparts training in managing financial, material and information systems in hospital settings and builds the perspectives, attitudes and skills needed for managing people.

### Program Outcome

- Develop understanding of multidisciplinary and multidimensional nature of hospital management and acquire basic insight into functional discipline.
- Apply scientific management approach and managerial tools to improve managerial skills.
- Be deeply committed and sensitive to the need of patients as well as community.
- Be cost conscious with commitment to keep service cost within the reach of the users.
- Apply total quality management technique (TQM).

### Career Prospects

- Hospital Business Manager
- Guest Relation Manager
- Hospital Administrator
- Floor Manager
- Patient Relation Executive
- Front Office Administrator
- Assistant Manager/Manager
- Operation Executive

# M.Sc

## Medical Lab Technology

M.Sc in Medical Lab Technology is a postgraduate program from JAIN (Deemed-to-be University). Medical laboratory Technology is a branch of medical science in performing clinical laboratory investigations which is the first step of diagnosis of any diseases followed with treatment and prevention. The course covers preclinical subjects such as Biochemistry, Pathology, Microbiology, Blood Banking and Basics in laboratory equipment. The programme provides knowledge and training for opted candidates to place in different clinical laboratories. Students enrolled are imparted training in laboratory management ethics through practical sessions, internal assessment, viva-voce and an internship training program/clinical postings in every semester. These professionals play an important role in collecting, sampling, analyzing, reporting and documenting of clinical investigations.

### Program Outcome

- Demonstrate understanding of basic sciences relevant to specialty.
- Acquire the detailed knowledge about the fundamentals and advances of the respective specialty.
- Update knowledge by self-study, attending courses, conferences & seminars relevant to specialty.
- Undertake audit, use information and carryout research both basic and professional with the aim of publishing or presenting the work at various scientific gatherings.

### Career Prospects

A career contributing to patient care diagnosing medical conditions. Upon graduation, have exciting career opportunities to fulfill the needs of healthcare industry, bio-laboratory companies, pharmaceutical biotech organisations, fertility research clinics, forensic research and solve most pressing healthcare issues and create a healthier future of the world.

- Laboratory Technologist
- Clinical Scientist
- Research Associate
- Medical Lab Assistant
- Clinical Biochemist
- Laboratory Technician

# M.Sc

## Molecular Medicine & Stem Cell Technologies

M.Sc in Molecular Medicine & Stem Cell Technologies is a postgraduate program from JAIN (Deemed-to-be University). The program is broad based and gives a good insight into modern biology and an important component of hands-on training to the students. It is an interdisciplinary course and furthermore has the increasing demand for trained manpower in the area of Molecular Biology, Genetic Medicine and Biotechnology. The program covers basic and applied science covering various aspects of cell, molecular and developmental biology with special emphasis on stem cell biology and molecular medicine from its origins to its current and potential application in pre-clinical and clinical fields related to various disorders.

### Program Outcome

- Extensive theoretical and practical knowledge on cells and medicine in a short period of time.
- It prepares for leadership in the critically important and dynamic industries of stem cells, biotechnology and pharmaceuticals.
- Understand principle of stem cell properties, differentiation and reprogramming together most recent advancements in regenerative medicine and innovative medicine interventions.

### Career Prospects

- Quality Assurance Specialist
- Senior Specialist Quality Assurance
- Consultant
- Senior Policy Analyst
- PHD Researcher
- Doctoral Fellow
- Scientific Consultant
- Research Technician
- Research Specialist
- Research Associate
- Research & Development Scientist



# M.Sc

## Psychology (Clinical)

M.Sc in Psychology is a postgraduate program in the domain of scientific studies with advanced specialization in the study of the mind, behaviour and psyche of the human. The program enables the students to demonstrate a broad and coherent knowledge of core topics and skills in the discipline of clinical psychology, their applications and behaviour in research and professional contexts. Psychology as a domain of application of scientific principles aims at studying behaviour, mind, consciousness, and actions of humans in a wholesome and comprehensive manner. So the program focuses on understanding individuals and groups by establishing general principles and researching specific cases. As an academic discipline, it is seen hybridizing the contours of humanities with that of applied sciences. The students are made aware of all the key principles and concepts of the subjects during the duration of the program.

### Program Outcome

- Better understanding of the advanced concepts of social science and natural science in the functioning of the human mind, body and behaviour.
- The ability to formulate advanced and latest questions in Psychology and to develop hypotheses, analyse data and interpret results.
- Identify the relationship between psychology and other fields and its application across various disciplines.
- Develop a thorough awareness and understanding of how personal factors influence academic growth.

### Career Prospects

- Career Employment Specialist
- Child Support Specialist
- Clinical Psychologist
- Counselling Psychologist
- Community Relations Officer
- Developmental Psychologist
- Educational Psychologist
- Forensic Psychologist
- Human Resources Assistant
- Health Educator
- Industrial Psychologist
- Neuropsychologist

# MMS

## Health Care Management

MMS in Health Care Management is a postgraduate program from JAIN (Deemed-to-be University). Healthcare is a business and anyone who is an aspirant to be a healthcare manager needs an up-to-date understanding of how that business works. As demand for healthcare grows, the business behind it becomes more complex. Preparations are required to meet the challenge by developing in-demand skills to help steer modern practices or manage business. That means studying topics like accounting, communication, regulation, and financial resource management as they apply to the healthcare industry. MMS Healthcare Management curriculum helps to prepare the students with management-level skills and an up-to-date understanding of our healthcare delivery system and develop the strategy to advance in healthcare leadership.

### Program Outcome

- Demonstrate an understanding of how technology, legal and ethical issues impact the delivery of healthcare services.
- Apply planning and evaluation methods used in strategic planning, implementation, evaluation and marketing of healthcare organizations.
- Apply healthcare management concepts and theories.
- Evaluate study designs, methods and strategies for data analysis used in health-related research.

### Career Prospects

- Healthcare Managers
- HR Manager
- Finance Manager
- Health Information Manager
- Hospital Administrator
- Public Relations Officer



CTMX	0.45	▲ +0.45%
FTR	-0.23	▼ -2.34%
CSCO	-1.01	▼ -1.80%
CHK	0.02	
AAPL	+2	
PRTD		
AMZN		
TSLA		
AVGO		
SIPI	0.65	

# Jain Group of Institutions

## Pre Schools

1. Jain Toddlers, Kondapur, Hyderabad
2. Jain Toddlers, Miyapur, Hyderabad
3. Jain Toddlers, Manikonda, Hyderabad
4. Jain Toddlers, BITS Pilani, Secunderabad
5. Jain Toddlers, Gadag
6. Jain Toddlers, JafarNagar, Nagpur
7. Jain Toddlers, Nagpur
8. Jain Toddlers, Anantpur
9. Jain Toddlers, Kengeri
10. Jain Toddlers, Davangere
11. Jain Toddlers, CIDCO, Waluj, Aurangabad
12. Jain Toddlers, Dashmeshnagar, Aurangabad
13. Jain Toddlers, N-1 CIDCO, Aurangabad
14. Jain Toddlers, Dharwad
15. Jain Toddlers, Hubli
16. Jain Toddlers, Belgaum
17. Jain Toddlers, Ranebennur
18. Jain Toddlers, Shimoga
19. Jain Toddlers, Bellary
20. Jain Toddlers, Shilpnagar, Aurangabad
21. Jain Toddlers, Jayanagar, Bangalore
22. Jain Toddlers, J P Nagar, Bangalore
23. Jain Toddlers, Horamavu, Bangalore
24. Jain Toddlers, Basavanagudi, Bangalore
25. Jain Toddlers, Girinagar, Bangalore
26. Jain Toddlers, RR Nagar, Bangalore
27. Jain Toddlers, Shantinagar

## Primary & Secondary Schools

28. Jain International Residential School, Kanakapura
29. Jain Heritage School, Bangalore
30. Jain Heritage School, Belgaum
31. Jain Heritage a Cambridge School, Hyderabad
32. Jain Heritage a Cambridge School, Shamirpet
33. Jain Heritage a Cambridge School, Nagpur
34. Jain Public School, Kanakapura
35. Jain Public School, Davanagere
36. Jain Public School, Ranebennur
37. Jain Public School, Chintamani
38. Jain Public School, Tumkur
39. Jain Public School, Chintamani
40. Jain Public School, Korba
41. Jain Public School, Jhabua
42. Jain Public School, Badnagar
43. Jain Public School, Vijapur
44. Jain Public School, Shimoga
45. Jain Public School, Bellary
46. Jain Public School, Gangavathi
47. Jain Public School, J P Nagar, Bangalore
48. The Jain International School, Bangarpet
49. The Jain International School, Krishnapuram
50. The Jain International School, Mulbagal
51. The Jain International School, Hubli
52. The Jain International School, Aurangabad
53. Jain English Medium School, Kadri
54. Jain Vidyanikethan, Kanakapura

## Sports School

55. Jain Academy of Sporting Excellence, Kanakapura, Bangalore
56. JGI – The Sports School, Bangalore

### **Colleges**

57. Sri Bhagawan Mahaveer Jain College, V V Puram, Bangalore
58. Sri Bhagawan Mahaveer Jain College, J C Road, Bangalore
59. Sri Bhagawan Mahaveer Jain Evening College, V V Puram, Bangalore
60. Sri Bhagawan Mahaveer Jain Evening College, J C Road, Bangalore
61. Sri Bhagawan Mahaveer Jain College, K G F
62. Jain College, Belgaum
63. Jain College, Kanakapura
64. Jain College, Hubli
65. Jain College, Jayanagar, Bangalore
66. Jain College, Rajarajeshwari Nagar, Bangalore
67. Jain College, Vasavi Road, Bangalore
68. Jain College, Jamshedpur, Jharkhand
69. Jain Evening College, Vasavi Road, Bangalore
70. Jain College, Engineering, Belgaum
71. Jain College of MCA & MBA, Belgaum
72. Jain Institute of Technology, Davanagere
73. Jain Polytechnic, Belgaum
74. Jain Institute of Business Management, Kanakapura

### **Management and Professional Excellence Institutions**

75. MATS Institute of Management & Entrepreneurship, Bangalore

### **University**

76. JAIN (Deemed to be University), Bangalore
  - School of Allied Healthcare & Sciences, Bangalore
  - School of Commerce, Bangalore
  - School of Engineering & Technology, Kanakapura
  - School of Computer Science and IT
  - School of Humanities and Social Sciences, Bangalore
  - School of Design, Bangalore
  - School of Sciences, Bangalore
  - School of Law, Bangalore
  - Center for Creative Arts & Design, Bangalore
  - Center for Management Studies, Bangalore
  - CMS Business School, Bangalore
  - Kautilya Entrepreneurship and Management Institute, Bangalore
  - International Institute of Aerospace Engineering & Management, Bangalore
  - Center for Research in Social Science & Education, Bangalore
  - Center of Ancient History & Culture, Bangalore
  - Chenraj Roychand Center for Entrepreneurship, Bangalore
  - Center for Nano & Material Sciences, Bangalore
  - Center for Research in Aerospace Engineering and Management
  - Center for Distance & Virtual Learning
  - Fire and Combustion Research Center, Bangalore
  - Jain University Incubation Center (JUIC), Bangalore
77. Arka Jain University, Jamshedpur
  - School of Commerce and Management
  - School of Fashion Design
  - School of Information Technology
  - School of Mass Communication
  - School of Polytechnic
  - Department of Humanities
  - School of Science
  - School of Engineering & Technology
  - School of Doctorate

# Locate Us



**JAIN**  
DEEMED-TO-BE UNIVERSITY

SCHOOL  
OF ALLIED  
HEALTHCARE  
AND SCIENCES

## Campus Address

School of Allied Healthcare & Sciences  
Next to ITPL, KIADB Area  
Whitefield, Bengaluru - 560066

Hotline : **+91 9606978661**

✉ [sahs@jainuniversity.ac.in](mailto:sahs@jainuniversity.ac.in) 🌐 [www.jainuniversity.ac.in](http://www.jainuniversity.ac.in)



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DEEMED-TO-BE UNIVERSITY

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AND SCIENCES

**Admissions Office - Bengaluru**

JAIN (Deemed-to-be University)  
#44/4 District Fund Road  
Jayanagar 9<sup>th</sup> Block, Bengaluru - 560069  
Hotline : **+91 80 46650100**

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