

## DEPARTMENTS

Welcome to HMR Institute of Technology & Management Departments' Information. This section describes various achievements of the department. **COMPUTER SCIENCE & INFORMATION TECHNOLOGY** The curriculum in B.Tech. Computer Engineering lay emphasis on design and development of both hardware and software, in addition to software packages. Miniaturization in computer technology, audio-video and image processing, storage and retrieval of data from databases, compiler construction, operating systems design, computer graphics, computer architecture, microprocessors based design are also the important components of the curriculum.

**ELECTRONICS & COMMUNICATION** Besides giving a thorough grounding in basic sciences and engineering subjects, the curriculum in electronics and communication engineering lays greater emphasis on deep understanding of fundamental principles and state of the art knowledge of electronic devices & circuits, computer architecture & microprocessors, VLSI & embedded systems, electromagnetic field theory, analog and digital communication, digital signal processing, microwave & broadband communications.

**MECHANICAL & AUTOMATION** In addition to the basic and engineering sciences like Mathematics, Physics, Chemistry, Graphics, Electrotechniques, Thermodynamics, Mechanics of Solids, the program in Mechanical Engineering lays emphasis on the analysis and synthesis involved in the design, manufacture and operation of prime movers, pumps, compressors, machine tools, mass production techniques etc. Some amount of specialisation is possible in the Final Year of the B.Tech. (Mechanical) in Thermal, Design and Production Engineering.

**ELECTRONICS & ELECTRICAL** Besides giving a thorough grounding in basic sciences and engineering subjects) the curriculum in Electrical Engineering lays emphasis on deep understanding of electrical and electronics networks and devices) electromagnetic field theory, computer fundamentals, control system and instrumentation, electrical energy converters and electrical energy transmission and distribution systems, including their protection and communication and control systems, etc.

**APPLIED SCIENCES** The Department of Applied Physics is providing a sound science base for all engineering disciplines in their I and II semester. The courses of the II semester are designed to serve the need for a particular branch of engineering. The department has well equipped labs for B.Tech. students where experiments are designed to broaden experimental skill related to various branches of engineering and technology. **BUSINESS ADMINISTRATION**

HMRITM started its 2-year full time MBA programme in 2007. The learning environment in the department is built , sustained and being grown to meet the learning aspirations of enthusiastic students and to inculcate in them strong conceptual fundamentals and necessary skills to manage business in future .Department endeavors to make students, effective change agent to take leadership role in Global arena. The department explores various practical avenues of management with the support of its dedicated faculty which keep abreast with the latest developments in various areas of Management. Our results have been excellent and HMRITM got the privilege of producing a student with the highest marks in 1st semester itself, among all the colleges of GGSIPU. Masters Degree Course in Computer Applications, (MCA) 3 years full time (MCA), (A course of GGSIP University of Delhi & Approved by AICTE, Govt. of India)

Intake: 60 seats

MCA is a course exclusively designed to meet the IT requirement of the organization. An extremely balanced course with a lot of emphasis on planning, designing & building of complex commercial application software & system software and equal importance given to functional knowledge in various areas. A three years full time course MCA is not just a postgraduate course, but also a complete professional grooming of the student.