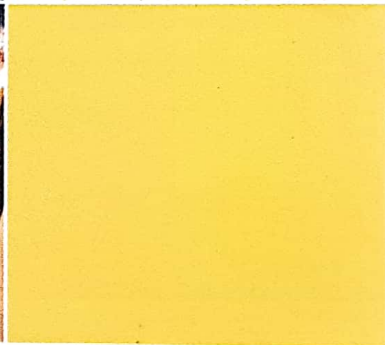
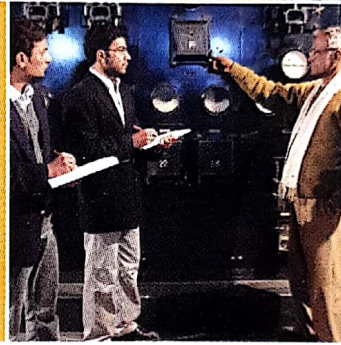




Faculty of Engineering

Dayalbagh Educational Institute



FACULTY PROFILE

Introduction

The Faculty of Engineering of the Dayalbagh Educational Institute, widely recognized as a premier engineering institution in the country, was founded in 1950 as the Engineering College, Dayalbagh. With the establishment of the Dayalbagh Educational Institute (D.E.I.) as a Deemed University in 1981, the college became an integral part of the Institute in the same year. In line with the education policy of D.E.I., which strongly emphasizes quality as a major objective in achieving its mission and goals, the Faculty has held aloft the beacon of knowledge, research, and education in the field of engineering since its very inception.

Programmes of Study

Under-Graduate Programmes

The following two broad-based under-graduate programmes with a total intake of 60 (30 + 30) students are offered:

- Electrical Engineering
- Mechanical Engineering

Post-Graduate & Doctoral Programmes

The Faculty offers a Master's programme in Engineering Systems with an intake of 20 students, designed to inculcate in the students the "systems" way of thinking. Two doctoral-level programmes, both in Electrical and Mechanical Engineering, are also offered.

Teaching Faculty

The highly qualified and dedicated faculty is actively involved in teaching and research and regularly publishes papers in journals of international repute. Several of them have been awarded prestigious awards at the national level.



Electrical Machines Laboratory

Curriculum

The recent nation-wide thrust on Information Technology (IT) has been mirrored in the curriculum with the introduction of courses on Operating Systems and Data Structures & Programming in C, for both the under-graduate branches along with a basic course on IT. The Faculty's state-of-the-art computing infrastructure comprises a network of over 40 Pentium based PCs. Students are exposed to a variety of programming languages and acquire skills in various programming environments through regular courses and software projects.

The Electrical Engineering programme offers specializations in Computer Science (hardware and software), Electrical Machines, Electronics and Power Systems through the medium of elective courses. Students are exposed to modern software packages including SABER, MULTISIM, ELECTRONICS WORKBENCH, VHDL/FPGA, XILINX FOUNDATION, ORCAD, MATLAB etc.

The Mechanical Engineering programme offers specialization in Design Engineering, Industrial & Production Engineering, and Thermal Engineering through a wide spectrum of elective subjects. Students gain ample exposure to CNC programming, Robot programming, development of Decision Support Systems, and simulation through the SIMAN/Cinema, ARENA, QUEST, NISA and FORGE2 simulation packages.



CNC & Robotics Laboratory

Laboratories

The Faculty has several well-equipped laboratories that support and reinforce the theoretical subjects taught. These include laboratories for:

- Advanced Manufacturing
- Automobile Engineering
- Computer Numerical Control(CNC) & Robotics
- Computer-Aided Design
- Electrical and Electronics Simulation
- Electrical Machines
- Electronics
- Ergonomics
- Heat Engines
- Hydraulics
- Internal Combustion (IC) Engines



IC Engines Laboratory

- Manufacturing Systems Simulation
- Material Testing



Material Testing Laboratory

- Metrology
- Microprocessors
- PCB Design
- Photography & Video Editing
- Power Electronics
- Power Systems
- Refrigeration and Air Conditioning

A well-equipped modern workshop provides students with hands-on experience on both conventional and unconventional machining facilities.

Highlights

- Established in 1950 and recognized by AICTE / UGC.
- Government funded. No capitation fee.
- Ranked among the top six engineering institutions in the country according to the success ratio in the UPSC examinations as per UPSC survey reported in the year 2000.
- Student intake through AIEEE.
- High 'staff-to-student' ratio (1:2.5) to ensure greater interaction and personalized attention.
- Highly qualified faculty with impeccable track record.
- Excellent performance in GATE every year.
- Several students admitted to post-graduate courses in IISc / IITs / NITIE / IIFT / IIITs / IIMs, and in universities abroad.
- Several R&D projects sponsored by DST, AICTE and UGC completed successfully and more underway.
- Industrial consultancy offered by the Faculty Workshop, Material Testing Laboratory and Electrical Machines Laboratory.
- International collaboration with CEMEF Laboratories, France in the area of Metal Forming / FEM analysis.
- International collaboration with universities in Canada, Germany and USA.
- Several alumni top executives in private and public sector concerns.



Students' plots for Agricultural Operations

Recruitment & Placement

The Faculty Training and Placement Cell co-ordinates with various industries and organizations for campus recruitment. Some companies that have recently visited the campus for recruitment include BirlaSoft, CEAT, DCM Consolidated, DCM Data Systems, Kirloskar Ltd., L & T, MindTree, Shriram Fibres, TCS, TELCO and the Indian Air Force, Army and Navy, to name a few.

Several graduates from the Faculty are working in top notch IT companies such as Adobe Software, HCL Infosystems, Hughes Software Systems, Infosys, Satyam Computers and WIPRO. Several alumni are employed with BARC, Cummins, General Motors, Hyundai, Intel, IOCL, Kelvinator, LG Electronics, Lucent Technologies, Maruti Udyog, Motorola, NTPC, ONGC, Philips, Schlumberger, ST Microelectronics, Texas Instruments, Voltas and Yamaha Motors. Many graduates are working in R&D organizations such as ADRDE, DRDO etc, and in educational institutions including the IITs, NITs, and universities abroad.



The Faculty of Engineering Library

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