

Open House/Job Fair 2015

The College of Electrical and Mechanical Engineering opens its door to public and private sector organization and academia to witness the final year projects of its graduating students. The students successfully completing their under graduate degree program in electrical, mechanical, computer and mechatronics engineering will present their projects in areas such as control, microwave, signal processing, composite materials, software, database, machinery, robotics etc. The college has a tradition of imparting hands on capabilities to its graduating engineers for solving real life engineering problems. Representatives of public and private sector organization are thus invited to visit the project display and conduct interviews and tests for possible jobs in their respective organization.

FEW INTERNSHIP AND RECRUITMENT PARTNERS

- ICI Pakistan
- Huawei
- Descon engineering
- Sui northern gas pipelines limited
- Nayatel
- Shell Pakistan
- Engro fertilizers
- Coca Cola Company
- Fatima Group
- PTC
- Unilever

OPEN HOUSE SCHEDULE

0900 hrs	Reception/Registration of delegates
1000 hrs	Guests to be seated(Auditorium)
1015 hrs	Arrival of Chief Guest & Inaugural Ceremony <ul style="list-style-type: none"> ■ Recitation ■ Overview by Chief Coordinator ■ Welcome address by Commandant ■ Address by Chief Guest
1115 hrs	Visit to students' projects
1215 hrs	Chief Guest's departure
1315 hrs	Prayer Break
1345 hrs Onwards	Interviews by companies (ASG blocks)



Open House/Job Fair 2015

A gateway between industry and academia

Meet graduating students of

- Electrical Engineering
- Mechanical Engineering
- Computer Engineering
- Mechatronics Engineering

For registration and further details, please visit or contact at

website : <http://www.ceme.nust.edu.pk/openhouse>

Tel : 051-9247539

051-9247536

Email : openhouse@ceme.nust.edu.pk



College of Electrical & Mechanical Engineering

Open House/Job Fair 2015

Electrical Engineering

Mechanical Engineering

Computer Engineering

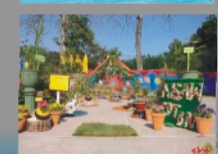
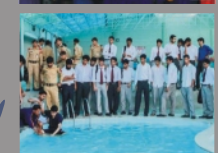
Mechatronics Engineering



Tuesday, 30th June 2015

A talent expo which provides an opportunity to:

- Visit modern academic and research facilities
- Meet qualified faculty and discuss research collaboration
- Interview/evaluate young, brilliant and energetic graduating engineers



College of E&ME
A pursuit of excellence
in engineering



National University
of Sciences and
Technology



Overview:

College of Electrical and Mechanical Engineering is a premier and largest constituent college of National University of Sciences and Technology for undergraduate and post graduate studies and research. The college operates with a healthy combination of the civil and armed forces participation to further the cause of education and research in engineering. The college offers equal opportunities to all without any discrimination in gender or religion. The students and the faculty have worked hard to achieve many landmark distinctions.

The College of E&ME:

The healthy and disciplined environment at the College enables the students to achieve not only the academic objectives but also prepare them for professional challenges. Major academic disciplines in the college are electrical, mechanical, computer and mechatronics



engineering. All the academic programs of the college are fully accredited from PEC and recognized by HEC. This college maintains its position as the primary choice for the applicant students at NUST. At present this college has 1378 undergraduate students, 672 graduate students, and 91 PhD students enrolled in its various programs making it the largest constituent college of NUST. The diverse environment at the college not only supports the academics but also the extra and co-curricular activities. The college has the excellent sports facilities such as swimming pool, squash court, tennis court, gymnasium and a riding club. The college because of its professional culture inculcates moral values and commendable personality traits in its students which help them in their professional and social life. Thus, the graduating students of the college are not only academically strong but also have the necessary skills to cope with real world problems.

Department of Electrical Engineering:

Department of Electrical Engineering (DEE) offers programs both at undergraduate and post graduate levels. The department has well equipped Labs to facilitate

teaching and research at these levels. The Laboratories consist of Microwave Lab, Digital Signal Processing Lab, Control/Communication Lab, Antenna Lab, Microprocessor Lab and Electronics Lab. The undergraduate program is based on fundamental and advanced applications related to electrical engineering with emphasis on circuit design, electronics, electromagnetic, antennas, microwave engineering, communication, microprocessor and control system.

The MS/PhD program aims to imbue the students with the capability to conduct research at the cutting edge of knowledge. The department provides a carefully nurtured environment for undertaking research in current fields of interest. The fields of specialization offered are electromagnetics and microwave engineering, signal processing and communication engineering, control system engineering and semiconductors

Department of Mechanical Engineering

Department of Mechanical Engineering has various high-tech Labs to support research at all levels. The Labs consist of Fluid Mechanics Lab, Steam Lab, Mechanics of Materials Lab, Heat Transfer Lab, Dynamics & Controls Lab, CAE Lab and Workshops. The UG Mechanical Engineering Program is designed to inculcate a comprehensive understanding of theory and practice related to structural mechanics, thermo-fluids, and manufacturing. It is a unique blend of engineering sciences with well balanced Laboratory work and design projects with extensive usage of computers and latest software packages. In PG Mechanical Engineering Program, the students have an option to select subjects of their interest from a wide ranging list that includes major areas of engineering design, manufacturing, thermal sciences, fluid mechanics, controls and computational mechanics. The department has successfully collaborated with various International research Organizations / Universities by securing funding after worldwide competition. The departmental research groups have completed many National and International projects and many are underway. These projects are of National importance and have immense commercialization value.

Department of Computer Engineering

Department of Computer Engineering (DCE) was established in 1996 at College of EME. Most of the courses offered in BE Computer Engineering program cover the core subjects of computer engineering, each offering a different specialization. Major focus is given to application of theoretical knowledge for solving real world problems pertaining to different organizations and industry. The DCE is committed to provide quality education to its undergraduate students. Computer Engineering (CE) is a blend of computer hardware and software design of devices and systems for a very broad spectrum of applications in communication systems, multimedia systems, medical

equipment, defense systems, industrial automation etc. On one side of the spectrum CE deals with embedded systems that may comprise of a single micro-controller based design or may consist of a hybrid of processors including a digital signal processor (DSP), a field programmable gate array (FPGA) and general purpose processors (GPP) and on the other side of the spectrum are the enterprise level software like ERP systems, intelligent mining on big data to find frequent patterns and in-between there are a host of applications that combines the power of hardware and software to make systems more effective in industry, consumer electronics, communication, entertainment, medical equipment etc.

Department of Mechatronics Engineering

Department of Mechatronics Engineering was established in 1998. Mechatronics refers to a flexible, multi-technological approach for integration of mechanical engineering, computer engineering, electronics and information sciences. Mechatronics is essential in the design of intelligent products. It allows engineers to transform their virtual concepts into real life applications. It is a relatively new concept relating to the design of systems, devices and products aimed at achieving an optimal balance



between basic mechanical structure and its overall control. The programme involves research and coursework that will push the frontiers of technology in intelligent product design and development. The research activities involve design and control of intelligent robotic systems and automated machines.

The department has various well equipped Labs including Robotics, Industrial Automation, Mechatronics design and CAD/CAM. Mechatronics graduates could find themselves in industry engaged with maintenance and operation of plant equipment such as boilers, compressors, turbines, instrumentation, automation and control of advanced industrial processes using such tools as PLC and microcontroller-based control systems, process simulation for plant modifications, defence and R&D applications,