Panchwati
Passion for progress
PANCHWATI INSTITUTE OF ENGINEERING & TECHNOLOGY, MEERUT

THE PIET OFFERS B. TECH. IN FOLLOWING BRANCHES:

- COMPUTER SCIENCE & ENGINEERING
- INFORMATION TECHNOLOGY
- ELECTRONICS & COMMUNICATION ENGINEERING
- MECHANICAL ENGINEERING
- ELECTRICAL & ELECTRONICS ENGINEERING
- CIVIL ENGINEERING

INFORMATION BROCHURE

PANCHWATI INSTITUTE OF ENGINEERING & TECHNOLOGY
MEERUT (U.P.)
An ISO 9001:2008 Certified Institute

Vision

To produce skilled manpower of the highest quality to meet complex technological needs for economic development of the country.

Mission

To transform the institute into one of the leading technical institutions of the country with the aim of producing engineers of high caliber having technical competence of internationally accepted levels.

Chairman's Message

A prerequisite of leadership is to look beyond the present. Foresighted vision, sense of mission & passion are required to achieve the noble objectives. Our objectives are to develop competent human resource in the field of Engineering & Technology Education and make them innovative to meet the challenges faced with global competitiveness resulting in strong, economic & social condition of the country.

The Institute offer Technical programmes of the highest academic standards. Our programmes are designed to provide education to students who come from various places & from a wide range of educational backgrounds.

Panchwati welcomes students for professional studies and exciting careers in Engineering & Technology.

Pankaj Goel
Chairman

Vice Chairman's Message

भारत एक कृषि प्रधान देश है एवं अस्सी प्रतिशत जनता गाँवो में निवास करती है। ग्रामीण क्षेत्र में रहने वाली जनता मुख्यतः कृषि कार्य में व्यस्त रहती है, इसी कारण वह अपने बच्चो की शिक्षा पर कम ध्यान दे पाते है। जिसके कारण ग्रामीण क्षेत्र के विद्यार्थी उच्च एवं तकनीकी शिक्षा से वंचित रह जाते है। तदस्वरूप ग्रामीण विद्यार्थी शहरी विद्यार्थियों की तुलना में अपने को कम आंकते है। पंचवटी ट्रस्ट का यह उद्देश्य है कि ग्रामीण विद्यार्थियों को ऐसी तकनीकी शिक्षा प्रदान की जाये कि वह भी भविष्य में सफल एवं उच्च तकनीकतंत्री बने तथा स्वयं, परिवार एवं देश की इच्छाओं को पूर्ण करे।

मुझे पूर्ण विश्वास है कि पंचवटी में प्रवेश लेने वाले विद्यार्थियों का भविष्य पूर्णतया सुरक्षित है। मैं नव प्रवेशित विद्यार्थियों का पंचवटी परिवार में स्वागत करता हूँ।

कृष्ण गोपाल कंसल
वाइस चेयरमैन

Treasurer's Message

आदरणीय अभिभावक एवं प्रिय विद्यार्थीगण,

आपके पिछले वर्ष के अमूल्य सहयोग से हमारा संस्थान उत्तर प्रदेश के नव-निर्मित संस्थानों की श्रेणी में अधिकतम विद्यार्थियों का प्रवेश कर प्रथम स्थान प्राप्त करने में सफल रहा है। अतः पंचवटी ऐजुकेशन एण्ड सोशल वेलफेयर ट्रस्ट की ओर से मैं आपको सहृदय बधाई देता हूँ। विगत वर्ष की भाँति मैं इस वर्ष भी आपके सहयोग की अपेक्षा करता हूँ।

हमारे ट्रस्ट का प्रमुख उद्देश्य पिछड़े एवं मध्यम वर्ग के विद्यार्थियों को उच्च शिक्षा प्रदान करना एवं उनको समाज के प्रतिष्ठित वर्ग की श्रेणी में लाना है। धन के अभाव में गरीबी रेखा से नीचे के विद्यार्थियों को अपनी छिपी प्रतिभा को दिखाने का अवसर कम मिलता है। अतः ट्रस्ट इन छात्रों को प्रतिभा दिखाने का स्वर्णिम अवसर प्रदान कर रहा है एवं योग्य छात्रों के भविष्य को ध्यान में रखते हुये उत्तर प्रदेश सरकार द्वारा निर्धारित शिक्षण शुल्क में भी कटौती की गई है।

इस वर्ष हमारा संकल्प एवं ध्येय यह है कि पंचवटी संस्थान मेरठ शहर में स्थित सभी इंजीनियरिंग कालेजों की सूची में परीक्षा परिणामों के आधार पर प्रथम स्थान प्राप्त करने में सफल रहे।

मुझे आशा ही नहीं बल्कि पूर्ण विश्वास है कि आपका अमूल्य सहयोग एवं आशीर्वाद संस्थान को सदैव मिलता रहेगा।

इं० जगदीश कुमार
कोषाध्यक्ष

Secretary's Message

वर्तमान समय में जहाँ वैज्ञानिक प्रगति नित नयी ऊँचाँईयों को छू रही है एवं विभिन्न आविष्कारो का प्रतिपादन हो रहा है, वहीं समाज में मानवीय मूल्यो का पतन होता जा रहा है। समाज में मानवीय मूल्यो को जागृत करने के लिए सबसे महत्वपूर्ण माध्यम शिक्षा है, जिसके माध्यम से व्यक्ति अपनी रचनात्मकता एवं सृजनात्मकता का परिचय देता है। यह सभी ध्यान में रखते हुए ट्रस्ट ने विद्यार्थियों के संपूर्ण विकास हेतु सभी शैक्षिक, प्रशिक्षण, नियोजन आदि सुविधाएँ प्रदान की हैं।

पंचवटी ट्रस्ट का गठन समाज के सभी वर्गों को उच्च और गुणवत्ता वाली शिक्षा देने के उद्ेश्य को ध्यान में रखकर किया गया है। संस्थान ग्रामीण परिवेश से आने वाले विद्यार्थियों को उच्च और गुणवत्ता वाली शिक्षा देने के लिए कार्यबद्ध है। जिससे कि भविष्य में हमारे विद्यार्थी स्वयं एवं संस्थान का नाम सभी क्षेत्रो में रोशन कर सके।

मैं नव–आगुन्तक विद्यार्थियों का पंचवटी परिवार में हार्दिक स्वागत करता हूँ।

सुभाष चन्द
सचिव

Joint Secretary's Message

Being the Joint Secretary of the Panchwati Education & Social Welfare Trust, I ensure all the students who are eager to take admission in PIET that they will help in the progress of our Nation in the fields of Technical Education, Research and Industries. We are a group of Industrialists, Technocrats and Educationalists and our aim is to provide not only Technical Education but also to produce Young Technocrats having knowledge of International Standard.

The PIET has opened the doors for all eligible students of rural and urban areas who are willing to acquire a degree of Bachelor of Technology in the field of Computer Science and Engineering, Information Technology, Electronics & Communication Engineering and Mechanical Engineering. The Institute is committed to provide value based technical education by engaging experienced faculty members under the able guidance of Prof. (Dr.) Satendra Sharma, the Director of the Institute.

I welcome all the aspiring and brilliant students to PIET for exciting professional studies and wish them to emerge as strong technocrats so that India becomes the global leader in near future.

May God enlighten all of us on the future path.

Navneet Mittal
Joint Secretary

Director's Message

In the present era of globalization, the technical education system is facing many challenges. Manufacturing firms and service organizations are being set-up with the state of the art of latest technologies and management practices. These new brands of Industries and service sectors need altogether a group of highly motivated and meticulously trained skilled persons. Therefore, the concept of technical education now has been converted into world class standard to cope up with the latest development taking place. These days, in addition to good technical knowledge, prominent hard and soft skills, like professional communication, creative thinking, project management, decision-making skill, team work attitude, leadership qualities and deep sense of quality consciousness have become most essential. The overall personality development of a person has become the main theme of the technical education system.

Keeping these facts in mind, the management of PIET made a vision to become global competitor in world class technical education and is continuously striving to achieve its goals. The institute has excellent infrastructural facilities, well developed laboratories, digital library, dedicated and competent faculty and technical staff. The regular institute industry interaction, industrial visit & active participation in-house seminars-are the tools which will be used for value addition of students. The objectives are set to meet the mission of producing world class technocrats, future managers and researchers, who can transform India. The PIET is an excellent institute where students can convert their dreams into reality.

I, whole-heartedly, welcome all the aspiring and brilliant young students to join this institute to excel in their chosen fields in future.

Prof. Satendra Sharma
Director

About PIET

As per the Vision & Mission of the Trust, Panchwati Institute of Engineering & Technology (PIET) has been conceptualized and established with an objective to work out and develop a dependable model for growth, consistency and significant breakthrough in cutting edge technology and innovation of national and international standards. The fast diffusion of core engineering fields like Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering, Information Technology and Electrical & Electronics Engineering, has the potential of bringing improvement in productivity and efficiency in every aspects of life and consequently turning out to be a key factor of economic growth.

Panchwati is committed to prepare future technocrats with innovative curriculum and meticulous pedagogy for training. The programmes offered are unique and fall in line of national and international standards. We encourage students to opt for science based/ open elective subjects from different streams which shall not restrict them to one area but open new avenues in their field of interest. Teachers are encouraged to use innovative tools in their teaching. We ensure that our students will possess the necessary skills like innovation, creativity, critical thinking, collaboration with industries etc.

The Institute offers innovative programmes complemented by experimental learning in real world situation that allow the students to combine classroom learning and their exposure to the industry to understand current trends in their field of interest.

Introduction

The Institute provides an invigorating and competitive atmosphere, created by excellent facilities and guidance provided by a highly qualified and dedicated faculty.

Academic Complex

The academic-block is aesthetically designed and tastefully constructed.

The academic complex has ample number of Lecture-halls with comfortable furniture for students and computer oriented instructional facility for the teaching staff. Besides Lecture-Halls there are separate halls for tutorials and specially designed rooms for seminars and conferences; a must requirement for generating free flow of new ideas.

Quality Policy

ISO 9001:2008 CERTIFICATION

In pursuit of excellence in engineering education, PIET has been awarded ISO 9001:2008 Certification by OSS Certification Services Pvt. Ltd., New Delhi (Accreditation by the Joint Accreditation System of Australia and New Zealand).

Quality Policy

"We shall develop PIET into a **Centre of Excellence** for technical education and other emerging related areas so as to enable students to realise their full potential and contribute to the development of the society. This shall be done through adherence to ISO 9001:2008 and continual improvement through achieving objectives and review."

Department of Physics

Department of Physics is a pioneer department among UPTU Colleges in terms of academic qualifications and achievements of faculty. The subject provides students with fundamental knowledge of physics, together with problem-solving skills, and an understanding of engineering. It is designed to address the need of students seeking innovative careers in today's technological age.

Laboratory: Department has well equipped laboratory to impart practical training to all its students. It is equipped with the latest scientific instruments which undergraduate students require. The laboratory is partitioned into two spacious rooms. One of them is meant for experiments based on general physics while the other is a dark room meant for specialized experiments. Erudite faculty and lab assistants are always there to assist them and encourage them for perseverance.

Department of Chemistry

While Chemistry is a science in its own right, it also supports and interacts with other scientific disciplines. Its concern with biology, physics, medicine, material science and other core disciplines, it makes effective contributions to find solutions of problems facing the world today and to the improvement of the condition of mankind tomorrow.

Laboratory: The department laboratory has all necessary facilities for Applied Chemistry. It is equipped with quality instruments like Calorimeter, pH-meter, Oven, Electronic balance and necessary glass wares and Lab reagents etc.

INFRASTRUCTURE

Department of English

The Department of English realizes that besides being a global language, English has evolved as the language of science, trade and business. Therefore, it attempts to address all aspects of diverse field of professional and technical communication in English. It is commendable in arming the students' communicative skills par excellence, to meet the needs of today and corporate challenges of tomorrow.
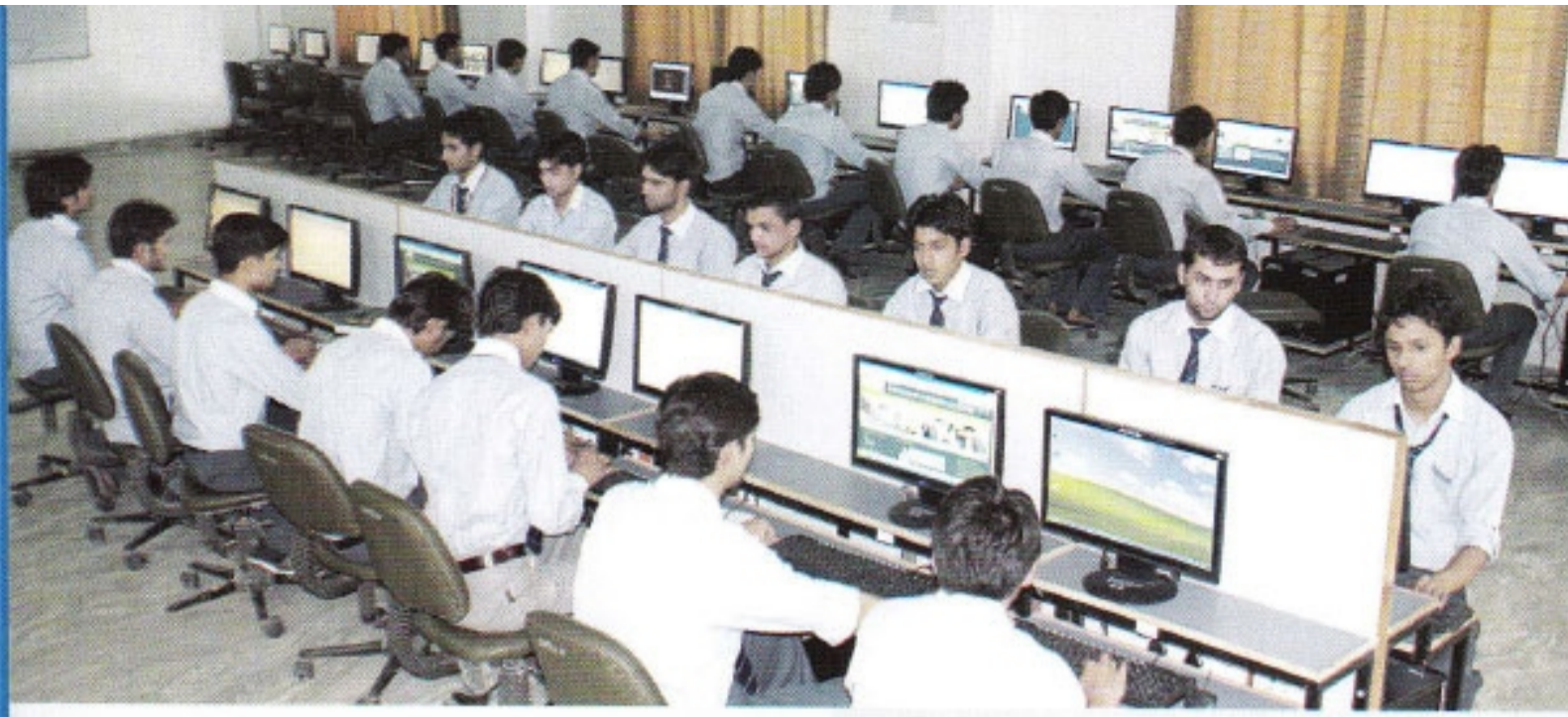
Laboratory: The department has a well furnished, fully air conditioned Professional Communication Lab with remarkable ambience for learning. The lab teaching familiarizes students with different rhetorical functions of scientific English. The student–teacher interaction in Lab is thirty is to one. The students get regular practice sessions of presentation techniques, group discussion, mock interviews, kinesics, phonetic exercises, etc. to inculcate flawless conversational and professional skills. They also learn to write letters and prepare reports and resumes effectively in formal and business situations.

Department of Mathematics

Mathematics is indispensable for the engineering community. The objective of teaching mathematics is to find the right balance between practical applications of mathematical equations and indepth understanding. The students are explained why knowledge of mathematics is essential for their future engineering work. The able teachers teach them that mathematics is a language for expressing physical, chemical and engineering laws. The general equations are illustrated by practical numerical examples in order to impart the surfacelatomistic approach as well as the deep learning approach.

Course Offered

B.Tech.
(4 Years) Programme

Branches	Total Seats
Computer Science Engineering	120
Information Technology	60
Electronics & Comm. Engineering	60
Mechanical Engineering	60
Electrical & Electronics Engineering	60
CIVIL ENGINEERING	

Department of Computer Science and Engineering

The department of Computer Science & Engineering is a self-driven proactive nerve center, which caters to the need of ever-growing technological sphere of academic, research & training in computing concepts, tools and techniques in the profession of computer science and information technology. The department can boast of sufficiently large IT infrastructure with many more ambitious projects in the pipeline in the years to come.

Laboratories: Centrally the Department is responsible for smooth operation & maintenance of complete IT infrastructure of the institute. Over 200 state of the art branded P- IV personnel computers & thin client equipped with the standard application software platforms. The department is equipped with following labs:-

- Computer Programming Lab(C, C++, Java)
- Computer Organization Lab
- Computer Architecture Lab
- DBMS lab / Project Lab
- Software Engineering Lab
- Computer Networking Lab
- 2 MBPS broadband link for 24 x 7 internet connectivity.
- Language Lab
- Internet Lab
- A set of high-end dedicated servers are deployed in a fully networked configuration based on the latest concept of server computing.

Department of Information Technology

Information technology has ballooned to encompass many aspects of computing and technology and the term is more recognizable than ever before. IT professionals perform a variety of duties that range from installing applications to designing complex computer networks and information databases. The department seeks to combine excellence in IT education and research with service to the industry. Our vision is to be recognized as an innovative and leading Information Technology Department in the State and beyond. We offer IT courses to the students by maintaining equilibrium between software and hardware subjects. The software subject propels on Internet and Web based technologies while hardware course mainly focuses on network & communication technology.

Laboratories: The department is equipped with the following labs:

- Data Structure Lab
- Computer Organization Lab
- Web Technology Lab
- Software Engineering Lab
- DBMS Lab
- Object Oriented Programming Language Lab

Department of Electronics & Communication Engineering

Electronics & Communication Engineering, also referred to as Electronics & Telecommunication Engineering is an engineering discipline which uses the scientific knowledge of the behavior and effects of electrons to develop components, devices, systems, or equipment (as in electron tubes, transistors, integrated circuits, and printed circuit boards)' that uses electricity as part of its driving force. Both the terms denote a broad engineering field that encompasses many subfields including those that deal with power, instrumentation engineering, telecommunications, semiconductor circuit design, and many others.

Laboratories: To cater the practical needs of students the department is equipped with the following labs with state of the art infrastructure:

- Electronics Engineering Lab - I &-II
- PCB & Electronics Workshop
- Digital Electronics Lab - I & -II
- Instrumentation & Measurement Lab
- Electrical Engg. Lab
- Micro Processor Lab
- Automatic Control & Machine Lab