Anna University

University College of Engineering Panruti

A Constituent College of Anna University,Chennai

2025

University College of Engineering Panruti
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DEAN'S MESSAGE

Dr.S.Muthukumaran M.E.,Ph.D.,

Welcome to the University College of Engineering Panruti (UCEP). At UCEP, we strive to be a leader in developing innovative teaching and learning practices that nurture intellectual curiosity, professional competence, and social responsibility among our students. We focus on creating an academic environment that encourages critical thinking, creativity, and collaboration. Our approach blends theoretical knowledge with practical exposure, enabling students to gain hands-on experience through laboratories, industry interactions, internships, and research projects. Beyond academics, we emphasize values, ethics, and teamwork to help students grow as well-rounded individuals who can contribute meaningfully to society and the global engineering community.

In today's rapidly evolving industrial landscape, engineering education must keep pace with technological advancements and the dynamic aspirations of the younger generation. To meet this challenge, we constantly refine our academic and administrative practices, integrating practical and outcome-based learning approaches that promote holistic student development. Our mission is to empower students to transform the world through education. This belief inspires our faculty, staff, and students to pursue excellence in teaching, research, and innovation. UCEP provides a stimulating environment where students gain hands-on experience through research projects, training programs, and student forums that bridge the gap between theory and real-world application.

PLACEMENT OFFICER'S MESSAGE

Dr.A.RAMACHANDRAN M.E.,M.B.A,Ph.D.,

It gives me immense pleasure to present the students of the University College of Engineering Panruti (UCEP) to the corporate world. The Training and Placement Cell serves as a vital link between our students and the industry, creating opportunities that enable them to transform their knowledge into real-world expertise. At UCEP, we understand that the true measure of education lies in its application. Our students are groomed not only to be academically strong but also to possess the professional and interpersonal skills required in today's competitive environment. The Placement Cell conducts a wide range of training programs, including aptitude development, technical skill enhancement, communication and soft skills workshops, and mock interview sessions.

We also maintain strong and enduring relationships with reputed companies, industries, and professionals across various sectors. Through guest lectures, technical workshops, industrial visits, and internship programs, our students gain valuable insight into current technologies, industrial trends, and professional work environments. These interactions not only bridge the gap between academic learning and practical application but also inspire students to think innovatively and pursue excellence in their chosen fields. Our students commitment, enthusiasm, and adaptability, combined with the unwavering support of our faculty and management, have been instrumental in achieving consistent placement success over the years UCEP takes immense pride in producing graduates who demonstrate strong technical competence, teamwork, leadership, and ethical values — qualities that make them valuable assets to any organization. I take this opportunity to convey my heartfelt gratitude to our recruiting partners and industry collaborators for their continued trust, encouragement, and support.

Vision Mission

Vision

To become a centre of excellence in engineering education and research, producing globally competent professionals committed to technological advancement and societal development.To emerge as a premier institution of higher learning in engineering, technology, and research that fosters excellence, innovation, and integrity. The University College of Engineering, Panruti (UCEP) envisions creating a vibrant academic environment where students are empowered with cutting-edge knowledge, practical expertise, and ethical values to meet global technological challenges.The institution aspires to be a centre of excellence that nurtures creativity, encourages multidisciplinary research, and strengthens industry–institute collaboration for sustainable growth.

Mission

- To impart quality technical education that blends theoretical knowledge with practical skills, enabling students to become competent, creative, and responsible engineering professionals.
- To foster research, innovation, and entrepreneurship by providing an ecosystem that encourages curiosity, critical thinking, and problem-solving abilities among students and faculty.
- To strengthen collaborations with industries, research organizations, and academic institutions to ensure experiential learning and alignment with emerging technological trends.
- To cultivate ethical values, leadership qualities, and social responsibility among students, preparing them to contribute effectively to sustainable development and nation-building.

Programmes Offered

UCEP offers full-time B.E. undergraduate programmes under Anna University, Chennai, designed to equip students with strong technical knowledge, problem-solving abilities, and professional skills. The programmes emphasize practical learning, innovation, and industry relevance to prepare graduates for successful engineering careers.

Computer Science and Engineering

The department fosters strong foundations in computing, programming, and software development. Students gain practical exposure through projects, workshops, and internships that prepare them for evolving industry challenges.

Computer Science and Engineering (Artificial Intelligence and Machine Learning)

The department emphasizes intelligent systems, data analytics, and automation. Hands-on projects and workshops build expertise in AI, ML, and modern computing technologies.

Civil Engineering

The Department emphasizes structural, environmental, and geotechnical engineering. Fieldwork, design labs, and projects prepare students for sustainable infrastructure development.

Electronics and Communication Engineering

The Department integrates electronics, communication, and embedded systems. Laboratories and projects strengthen knowledge in VLSI, IoT, and signal processing.

Electrical and Electronics Engineering

The Department focuses on electrical systems, power generation, and automation. Practical training and projects in renewable energy and control systems foster technical excellence.

Mechanical Engineering

The Department focuses on design, manufacturing, and thermal sciences. Workshops, CAD/CAM labs, and projects develop technical competence for diverse industries.

Department of **Computer Science and Engineering**

Established in 2008, the Department of Computer Science and Engineering at University College of Engineering Panruti focuses on developing skilled, innovative, and industry-ready professionals. The B.E. program blends strong theoretical foundations with hands-on exposure in areas such as Artificial Intelligence, Data Science, Cybersecurity, Cloud Computing, and Software Engineering. The department features modern laboratories, experienced faculty, and active industry collaborations. Students gain real-world experience through internships, projects, and coding events, ensuring professional competence. The department maintains an excellent placement record with top IT firms and nurtures research, innovation.

Laboratories

The department features advanced laboratories that provide hands-on training in computing and software development. Equipped with high-performance systems, specialized servers, and Wi-Fi-enabled infrastructure, they support learning in programming, networking, databases, and emerging technologies like AI, Data Science, and Cybersecurity. Project-based sessions, workshops, and simulations foster problem-solving, creativity, and technical proficiency. Smart classrooms and multimedia tools enhance interactive learning, ensuring students gain the practical skills required for professional success.

Department of

Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Established in 2025, the Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning) at University College of Engineering Panruti is dedicated to cultivating skilled professionals in intelligent technologies. The B.E. program provides a strong foundation in computer science with specialized training in AI, ML, Data Analytics, and Deep Learning. The department offers advanced laboratories, expert faculty, and active industry collaborations. Students engage in real-time projects, research, and hackathons that foster innovation and problem-solving skills. With a focus on emerging technologies, the department prepares graduates for careers in AI-driven industries and advanced research.

Laboratories

The department features advanced AI and ML laboratories that offer hands-on experience in intelligent computing and data-driven technologies. Equipped with high-performance GPUs, specialized servers, and Wi-Fi-enabled infrastructure, they support learning in machine learning, deep learning, data analytics, and automation. Project-based sessions, workshops, and real-time simulations enhance analytical thinking, creativity, and innovation. Smart classrooms and interactive tools promote effective learning, ensuring students acquire practical expertise for careers in AI, ML, and advanced computing domains.

Department of **Civil Engineering**

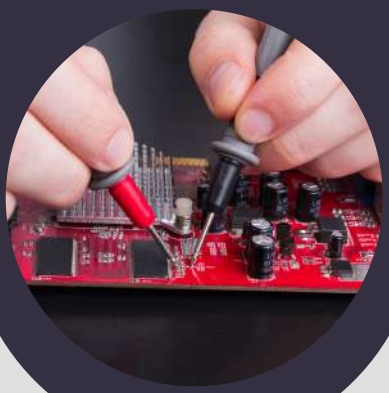
Established in 2008, the Department of Civil Engineering at University College of Engineering Panruti focuses on developing skilled and industry-ready professionals in civil infrastructure and environmental engineering. The B.E. program blends theory with hands-on learning in structural, geotechnical, environmental, and water resource engineering. Modern laboratories and active consultancy services support research and innovation. Students gain exposure through projects, internships, and industrial collaborations, fostering professional competence, technical excellence, and social responsibility for successful civil engineering careers. The department also encourages participation in workshops, field studies, and community initiatives to enhance practical skills.

Laboratories

The department houses modern laboratories that offer practical training in key areas of civil engineering. Equipped for structural, geotechnical, environmental, and surveying applications, the labs enable students to test materials like concrete, steel, and soil, and operate advanced surveying instruments. Facilities support experiments in water resource management, wastewater treatment, and structural analysis. Research projects, fieldwork, and consultancy assignments enhance practical skills and professional competence, fostering innovation and industry readiness.

Department of **Electronics and Communication Engineering**

The Department of Electronics and Communication Engineering, established in 2008, is dedicated to producing competent and innovative professionals in electronics, communication, and embedded systems. The curriculum emphasizes key domains such as signal processing, VLSI, microcontrollers, and communication networks. Well-equipped laboratories and experienced faculty ensure strong technical and practical foundations. Students participate in projects, workshops, and industrial training to enhance skills. With consistent placement success, the department promotes innovation, research orientation, and professional growth in the electronics sector.



Laboratories

The department is equipped with advanced laboratories for hands-on learning in electronics and communication. Facilities include Devices and Circuits, Communication, Microprocessor and Microcontroller, DSP, and Simulation Labs. High-performance systems with Wi-Fi connectivity support circuit design, signal processing, and embedded applications. Students engage in projects, workshops, and industry-based training to strengthen technical knowledge and creativity. These labs promote practical learning and prepare students for careers in electronics, communication, and IT sectors.

Department of **Electrical and Electronics Engineering**

The Department of Electrical and Electronics Engineering ,established in 2009, at University College of Engineering Panruti aims to develop skilled, innovative, and industry-ready professionals in electrical power, electronics, and control systems. The B.E. program combines strong theoretical knowledge with practical learning in circuits, machines, control systems, and instrumentation. Students gain exposure through internships, workshops, and research projects, strengthening problem-solving and professional skills. The department encourages participation in technical competitions, seminars, and collaborative projects. Overall, the department equips students with the knowledge, skills, and experience necessary for successful careers in industry, research, and entrepreneurship.

Laboratories

The department features state-of-the-art laboratories for training in electrical and electronics domains. Major labs include Basic Electrical Science, Electric Circuits, Control Systems, Electrical Machines, and Instrumentation. Students gain hands-on experience in electrical measurements, circuit design, and machine operations through experiments and simulations. Research activities, workshops, and industrial training enhance technical competence and innovation. The laboratories provide a strong foundation for applying theoretical concepts to real-world engineering challenges.

Department of **Mechanical Engineering**

The Department of Mechanical Engineering at University College of Engineering Panruti offers comprehensive programs emphasizing both theoretical learning and practical application. Equipped with advanced laboratories for design, manufacturing, and thermal engineering, the department provides strong training and hands-on experience. Experienced faculty and industry collaborations support innovative projects, research, and consultancy services. The department nurtures creativity, problem-solving, and professionalism, preparing students for dynamic careers in engineering, manufacturing, and technology development. Students also engage in internships, workshops, and industrial visits to gain real-world exposure.

Laboratories

The department offers well-equipped laboratories that provide practical exposure in design, manufacturing, and thermal engineering. Facilities include Design and Part Modeling, Dynamics, Manufacturing Technology, Metrology, and a Computerized IC Engine Test Rig. Students gain experience in testing, machining, and measurement techniques through experiments and simulations. Research projects, workshops, and industrial training promote problem-solving and innovation. These laboratories strengthen technical expertise and prepare students for diverse careers in mechanical engineering.

Career Development

NAAN MUDHALVAN (Government of Tamil Nadu Initiative)

- Empowers students through domain-specific skill development courses, industry certifications, and career guidance programs curated by leading corporate partners.These programs help students identify career opportunities, strengthen employability skills.

TITAN LEAP Program

- A leadership and employability enhancement initiative that develops students communication, creativity, teamwork, and professional skills through interactive sessions and assessments.It also helps students build confidence, leadership qualities, and problem-solving abilities for corporate and real-world challenges.

Anna University – Centre for University-Industry Collaboration (CUIC)

- Acts as a bridge between academia and industry, connecting UCEP students with leading companies for internships, industrial visits, workshops, and placement opportunities. CUIC programs enhance technical knowledge, industry awareness, and employability skills among students.

ICT Academy of Tamil Nadu (ICTACT)

- Provides industry-oriented training, certification programs, and faculty development initiatives to equip students with emerging technologies and practical expertise. ICTACT collaborations expose students to workshops, competitions, and real-world projects, strengthening their technical and professional competence.

Extra-Curricular Activity

- **NCC (National Cadet Corps):** Develops discipline, leadership skills, and a sense of national service among students.
- **NSS (National Service Scheme)**: Encourages community service, social responsibility, and participation in outreach programs.
- **YRC (Youth Red Cross):** Promotes humanitarian values, health awareness, and volunteering in social causes.
- **Technical Clubs**: Provides hands-on experience in coding, robotics, electronics, and innovation projects.
- **Cultural Events:** Fosters creativity and talent through music, dance, drama, and arts competitions.
- **Sports & Fitness:** Enhances teamwork, physical fitness, and competitive spirit through indoor and outdoor games.
- **Community Service:** Engages students in environmental drives, awareness campaigns, and volunteering activities.
- **Coding Club:** The Coding Club fosters creativity and problem-solving through coding challenges, hackathons, and collaborative projects.

Our Recruiters

University College of Engineering Panruti

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