



Technocrats Institute of Technology (Excellence), Bhopal

Newsletter

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About Us

Technocrats Institute of Technology (Excellence) in Bhopal, Madhya Pradesh is a premier educational institution that has been imparting quality and value-based education for the past 12 years. Our vision is to establish ourselves as a center of excellence in engineering education in India, with global standards. Our institute is affiliated with Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal for its engineering and management program ensuring that our students receive an education that is recognized nationwide. We are located in Anand Nagar on Raisen Road in Bhopal, which makes us easily accessible and convenient for students from all over central India.

Our dedicated faculty and staff ensure that our students receive the best education, and we provide them with state-of-the-art facilities and resources that are essential for their academic and personal growth. We also encourage our students to participate in extracurricular activities and provide them with opportunities to develop their skills and talents. At Technocrats Institute of Technology (Excellence), we are committed to shaping the future of our students by providing them with a world-class education that is grounded in values and ethics.

Mission

- ★ M.1: To educate students with deep professional knowledge through innovative teaching-learning process and to make them aware of cutting-edge technology so as to become capable of understanding and addressing the issues of society, state and the country.
- ★ M.2: To create in-house facilities for research and innovation to provide solution to the industrial problems.
- ★ M.3: To inculcate right human values and professional ethics, leadership qualities, communication and entrepreneurship skills in students to meet the need of society.

Vision

To become a "Centre of Excellence" for quality education in the field of engineering, research and management so as to produce globally competent and socially responsible professionals, who can contribute to technological and socio-economic development of the nation as a whole and region in particular.

Educational Program

Meditation as Medication

Seminar by Bramhkumaris - On October 14, 2019, the "Bramhkumaris" organization conducted a successful seminar on the subject of "Meditation as Medication" at Technocrats Institute of Technology (Excellence), Bhopal. The seminar featured a panel of speakers including BK Parul Baroda, BK Koustumbmani, BK Hitesh, BK (Sister) Surnaina, and BK Neha, who delivered an extremely informative and motivational session. We express our gratitude to the speakers for their valuable presence and support, as well as to all who attended the seminar.



Faculty Development Program

Technocrats Institute of Technology (Excellence), Bhopal organized three days FDP (Faculty Development Program) on Advancements in Construction Technology and Project Management in Association with SES Germany.



Monsoon Marathon

Technocrats Institute of Technology (Excellence), Bhopal conducted a Monsoon Marathon with the theme of "Swachchh and Swasth Bharat!". The event witnessed enthusiastic participation of over 1200 students. The event was graced by the presence of Mr. Alok Kumar ji, the Mayor of Bhopal, who inaugurated the event and addressed the students on the significance of cleanliness, beauty of the city and the importance of de-addiction in their life. The successful organization of the event was a testament to the college's commitment to promoting a healthy and clean environment



Seminar on Resume Writing

A seminar on Resume Writing, Interviewing Skills & Industry Expectations from Engineering Graduates was conducted by Gourav Ghelani, Academic Relationship Manager - India West, for final year students of Technocrats Institute of Technology (Excellence), Bhopal to prepare them for forthcoming placement drive.



Department of Computer Science & Engineering

Vision of the Department

To produce technically and ethically competent, socially responsible and innovative Computer Science & Engineering professionals through quality education, who can contribute to techno and socio-economic development of the nation as a whole and region.

Mission of the Department

- M1: To create an academic ambience for achieving academic excellence by imparting in depth. Domain knowledge to the students through effective teaching learning, conceptual and practical exposure with the latest tools and technologies.
- M2: To provide an environment & opportunity for students to utilize their potential and technical skills required for overall development through collaborative and professional development activities.
- M3: To inculcate innovative research skills, promote professional ethics & entrepreneurship skills amongst the students to cater to the needs of Society.

Program Educational Objectives (PEOs)

- PEO1: Graduate will become an established professional in the field of Computer Science & Engineering and related fields.
- PEO2: Graduates will acquire a well-built foundation to pursue higher studies and research.
- PEO3: Graduates will be able to inculcate effective communication skills, teamwork, ethics and leadership skills required to become an innovative and successful entrepreneur.

Program Specific Outcomes (PSOs)

- PSO1: Graduate will develop ability to design and develop computer-based applications of moderate complexity in the areas of database system, web technology and machine learning.
- PSO2: Graduates will be able to apply standard software project management practices and methods to deliver quality projects.
- PSO3: Graduates will be able to analyze and develop cost effective algorithms for real time engineering/social applications.

Expert talk

Technocrats Institute of Technology (Excellence) , Bhopal organized an expert talk on 19th July 2019 by Mr. Steve Yurko, the CEO of APEX Analytix in North Carolina, US. APEX Analytix is a globally recognized provider of supplier portal software, trusted supplier data, controls, audit, and analytics software, as well as AP recovery audit services.



Department of Civil Engineering

Vision of the Department

To develop technically competent and socially responsible Civil Engineering professionals with up-to-date knowledge and innovative ideas for contributing in techno and socio-economic development of the country as a whole and region in particular.

Mission of the Department

- M1: To achieve academic excellence in Civil Engineering by imparting in-depth technical knowledge to the students through conceptual and practical exposure on latest tools and technologies
- M2: To provide an environment & opportunity for students to grow and bring out their inherent talents for their overall development through collaborative and professional activities and prepare them for lifelong learning in global perspectives.

Program Educational Objectives (PEOs)

- PEO 1: Graduate will become an established professional in the field of Civil Engineering and related fields with proven teamwork and leadership records in their workspace and the society.
- PEO 2: Graduate will continue to develop professionally through lifelong learning, higher studies and research expertise in multidisciplinary areas to meet the expectations of their organization and the society.
- PEO 3: Graduate will possess all necessary engineering and scientific competence to become an innovative entrepreneur in the fields related to Civil Engineering and allied disciplines, with due consideration to social and environmental issues.
- PEO 4: Graduate will be able to adapt any environment and practice the ethics of their professions, consistent with a sense of social responsibility.

Program Specific Outcomes (PSOs)

- PSO 1: Graduates will be able to apply the knowledge of analysis and design to cater the infrastructural need of the society in Structural, Hydraulic, Transportation and Irrigation related fields.
- PSO 2: Graduates will be able to execute quality construction work within the stipulated period of time and resources with due consideration of energy conservation and surrounding ecology.
- PSO 3: Graduates will be able to plan and execute civil engineering projects applying relevant codes of practice for materials and techniques.

Student Development Program (SDP)



Student Development Program (SDP) were conducted at Technocrats Institute of Technology (Excellence) , Bhopal by TCS Experts. TCS is an Indian multinational information technology service and consulting company. The topic of FDP was "Lateral Thinking," while the topic of SDP was "Big Data and Data Analytics."

Department of Mechanical Engineering

Vision of the Department

To become a center of excellence in the field of Mechanical Engineering by enabling students to attain domain knowledge, lifelong learning skills and ethical values to serve the nation.

Mission of the Department

- M1: To create an academic ambience through competent faculty and encouraging multidisciplinary interaction.
- M2: To establish state of the art infrastructure facilities that will pave the dissemination of technical knowledge in the field of Mechanical Engineering.
- M3: Exposing students to new tools and technologies of Mechanical Engineering.
- M4: Providing an environment to actively participate in enhancing problem solving and leadership qualities and team spirit.

Program Educational Objectives (PEOs)

- PEO 1: Graduates will become an established professional in the field of Mechanical Engineering and related fields with sound ethical values.
- PEO 2: Graduates will demonstrate all necessary engineering and scientific competence to become an entrepreneur in the field of Mechanical Engineering and allied fields considering social and environmental issues.
- PEO 3: Graduates will possess a solid foundation in the field of Mechanical Engineering to be applied in their higher studies and researches.

Program Specific Outcomes (PSOs)

- PSO1: Graduates will be able to apply knowledge of Mechanical Engineering for analyzing and designing projects in the fields of Thermal, Industrial and Production engineering.
- PSO2: - Graduate will design and develop Mechanical Engineering projects concerning environment, energy conservation and safety.
- PSO3: Graduates will be able to plan and execute Mechanical Engineering projects applying relevant codes of practice materials and techniques.

Go-Kart and Aero Design



The Rotaract Club of Technocrats Institute of Technology (Excellence), Bhopal organized a training session on Go-Kart and Aero Design to equip Mechanical Engineering students with practical skills and knowledge to showcase their talent in All India National level competitions at a global level.

Department of Electronics & Communication Engineering

Vision of the Department

To become a “center of excellence” in the field of Electronics and Communication Engineering by transforming the students into competent professionals with high ethical values and fulfilling societal needs.

Mission of the Department

- M.1: To create an academic ambience for achieving academic excellence and producing competent graduates through effective teaching learning process.
- M.2: To provide exposure of modern tools and cutting-edge technologies in the field of Electronics and Communication Engineering.
- M.3: To develop adequate and appropriate facilities and provide an environment to stimulate multidisciplinary interaction.
- M.4: To enhance employability by inculcating problem-solving abilities, team spirit, leadership qualities and professional ethics.

Program Educational Objectives (PEOs)

- PEO 1: Graduates will become established professionals in the field of Electronics and Communication Engineering, software development and other related fields, who are adaptable in any environment and can practice the ethics of their professions, consistent with a sense of social responsibility.
- PEO 2: Graduates will possess all necessary engineering and scientific competence to become an innovative entrepreneur in the fields related to Electronics and Communication Engineering and allied disciplines, with due consideration to social and environmental issues.
- PEO 3: Graduates will continue to develop professionally through lifelong learning, higher studies and research expertise in multidisciplinary areas to meet the expectations of their organization and society.

Program Specific Outcomes (PSOs)

- PSO1: Graduates will be able to solve complex engineering problems and propose solution in the field of electronics and signal processing as per industry requirement.
- PSO2: Graduates will be able to design and develop solutions for the realistic problems of society using VLSI and embedded systems.
- PSO3: Graduates will adapt modern tools and technology to develop wireless communication projects in context of societal need and environment issues.

IEEE International Conference



Technocrats Institute of Technology (Excellence), Bhopal successfully organized the IEEE 16th International Conference on "Wireless and Optical Communication Networks" (WOCN-2019)



Department of Electrical Engineering

Vision of the Department

To impart quality education in various fields of engineering, technology & management and to develop the institute into a center of academic excellence.

Mission of the Department

To mold the students into competent technocrats to become professionally skilled, intellectually adept and socially responsible, to contribute to society through quality teaching and providing the conducive learning environment.

Program Educational Objectives (PEOs)

- PEO 1: Graduates will become established professionals in the field of Electrical & Electronics Engineering and related fields with sound ethical values.
- PEO 2: Graduates will demonstrate all necessary engineering and scientific competence to become an entrepreneur in the field of Electrical & Electronics Engineering and allied fields considering social and environmental issues.
- PEO 3: Graduates will possess a solid foundation in the field of Electrical & Electronics Engineering to be applied in their higher studies and research.

Program Specific Outcomes (PSOs)

- PSO 1: Graduates will show ability to analyze, design, and implement electrical machines, power electronics, instrumentation, control systems for the overall electrical power system.
- PSO 2: Graduates will show the ability to apply appropriate techniques and modern engineering hardware and software tools in power systems and power electronics in the field of Electrical & Electronics Engineering.
- PSO 3: Graduates will show ability to comprehend technological advancements and the impact of electrical engineering solutions in societal and environmental context.

ROBOBALI 2.0 2K19



The Department of Electrical & Electronics Engineering at Technocrats Institute of Technology (Excellence) , Bhopal recently hosted Technocrats ROBOBALI 2.0 2K19, a national-level robotics competition, with 40 teams from across India participating in the event.

**"Highest Placement
& Best Engineering
Institute In Central
India 2019"**

Awarded by **Shri Kamal Nath ji,**
Hon'ble Chief Minister of M.P.



**"Highest Placement
& Excellence in MP
Award- 2019"**

Awarded by **Shri Kamal Nath ji,**
Hon'ble Chief Minister of M.P.



Program Outcomes (Pos)

- **PO 1** Engineering Knowledge
- **PO 2** Problem Analysis
- **PO 3** Design/Development of Solutions
- **PO 4** Conduct Investigations of Complex Problems
- **PO 5** Modern Tool Usage
- **PO 6** The Engineer and Society
- **PO 7** Environment and Sustainability
- **PO 8** Ethics
- **PO 9** Individual and Team Work
- **PO 10** Communication
- **PO 11** Project Management and Finance
- **PO 12** Life-long Learning.

Correspondence Address :
Director

Technocrats Institute of Technology (Excellence)

Opp. Hathaikheda Dam, BHEL, Anand Nagar, Bhopal - 462021. Phone : 0755-2685977

Contact us at : director_tit@titbhopal.net; website: www.titexcellence.net