



Editorial Board

Advisor: -

Prof. (Dr.) K.K. Dwivedi

Chief editor: -

Prof. Priyanka Rai

Editors: -

Dr. Sibi Jose

Dr. Manish Joshi

Dr. Ranjeeta Khare

Prof. Sandeep Shukla

Prof. Monika Raghuvanshi

Prof. Pankaj Dixit

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 16 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 Proudyogiki Vishwavidyalay, 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.



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.

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.

National Cadet Corps (NCC)

Technocrats Institute of Technology - Excellence in Bhopal is thrilled to announce that it has been allotted NCC Army Wing, with 54 seats for both girls and boys, under 1 MP CTR, Bhopal. The National Cadet Corps (NCC) aims to instil character, discipline, secular outlook, comradeship, the spirit of adventure, and ideals of selfless service among young citizens. By joining the NCC, cadets can benefit from military training while also developing exemplary qualities such as discipline, brotherhood, a secular mindset, and bravery. All interested students can contact officials at the NCC Office, Room No. 105, A Block, 1st Floor TIT Excellence, to enroll in the program. We encourage all students to take advantage of this unique opportunity to grow and develop as individuals.

**PROUD MOMENT for
TECHNOCRATS GROUP**
LET'S SERVE THE NATION



**National
Cadet
Corps**

NCC ARMY WING
54 Seats (both girls and boys), allotted to
Technocrats Institute of Technology - Excellence
Under 1 MP CTR NCC, Bhopal



Memorandum of understanding (MoU)

A Memorandum Of Understanding is signed between TIDES Business Incubator, IIT Roorkee and Technocrats Group of Institutions, Bhopal for 'Collaboration in Entrepreneurship, Startups and Incubation Area'.

MoU was signed in the presence of

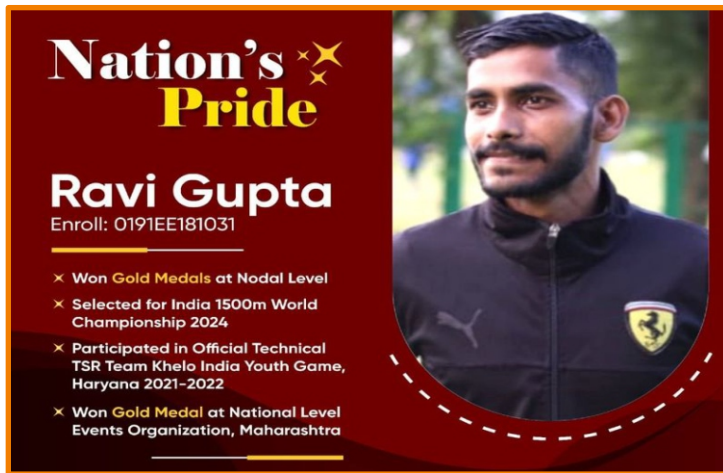
Dr. Mumtaj Shah, Vice President and Mr. Tanuj Dani, Program Manager, IIT Roorkee.



Student Achievements

Nation's Pride

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE) in Bhopal is thrilled to announce the remarkable achievements of Ravi Gupta, who has been scaling new heights of success in his sports career. We are proud to share that Ravi Gupta has been selected to represent India in the 1500m category at the World Championship in 2024. He also recently participated in the TSR Team Khelo India Youth Games 2022, held in Haryana, where he showcased his exceptional skills and talent. Ravi Gupta, we are immensely proud of your accomplishments and wish you all the very best for your future endeavours. Keep making us proud!



Nation's Pride

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal extends heartfelt congratulations to Ms. Anjana Yadav for successfully climbing the world's highest peak, Mount Everest Base Camp, at a height of 17,598 feet, and hoisting the National Flag. Anjana's journey involved crossing 33 mountains and trekking to Kala Patthar at 18,192 feet and Gokyo Peak in Nepal. We are proud of Anjana's incredible achievement and wish her many more successes in life.



Internship like never before

Ms. Nikita Joshi, a student of CSE at Technocrats Institute of Technology, has been offered an internship by Amazon India. The internship comes with a monthly stipend of Rs. 80,000. This news has filled us with immense pride as it highlights the calibre and potential of our students. We extend our heartiest congratulations to Nikita on this achievement. It is always a great moment for us to see our students grow and prosper in their chosen careers. We believe that Nikita will make the most of this opportunity and excel in her internship. We wish her the best of luck and hope that she continues to make us proud.



Youth Festival

Abhinav Singh Baghel for achieving 1st rank in the extempore competition and being the newsletter winner of 2022! It takes a lot of hard work, dedication, and talent to excel in such competitions, and it is a great achievement to be recognized as the best among many talented individuals.



Sports Achievements

Commonwealth Games 2022

Nikhat Zareen has made India proud once again by clinching the gold medal in boxing at the Birmingham Commonwealth Games 2022. This is India's third consecutive gold medal in boxing at the tournament. Nikhat's outstanding performance has not only brought glory to the country, but also inspired many young athletes. Her dedication and hard work have paid off, and she has become a role model for aspiring boxers. We congratulate Nikhat Zareen on her remarkable achievement and wish her all the best for her future endeavors. Let's continue to support and encourage our talented athletes to reach new heights of success.



RGPV Nodal Level Taekwondo Tournament 2022

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE) in Bhopal recently hosted the RGPV Nodal Taekwondo Tournament 2022 with great success. The tournament saw enthusiastic participation from students of various colleges affiliated with the Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV). The event was organized with utmost care and adherence to all COVID-19 protocols.

The tournament provided a platform for young martial artists to showcase their skills and compete against their peers. The participants displayed great spirit, sportsmanship, and resilience throughout the event. The organizers ensured that the tournament was conducted smoothly, and all participants were given a fair chance to compete.



Commonwealth Games 2022

Technocrats Institute of Technology (Excellence) is proud to announce the RGPV Nodal level Boxing Competition scheduled to take place on 17th October 2022. As Olga Korbut rightly said, "The ability to conquer one's self is no doubt the most precious of all things that sports bestows." We believe this competition will provide a platform for our students to showcase their skills and strive towards self-improvement.



RGPV State Level Kabaddi Tournament 2022

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal is pleased to announce the organization of RGPV State Level Circle Kabaddi Tournament on October 22, 2022.



RGPV Nodal Level Badminton Tournament 2022

"Rallying for Glory: RGPV Nodal 2K22 Badminton Tournament brings together the best players for a thrilling showcase of skill, strategy, and sportsmanship."



Institutional Achievements

MoU Signed with CEDMAP

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal has signed a Memorandum of Understanding (MOU) with the Centre of Entrepreneurship Development, Madhya Pradesh (under the Department of MSME, Government of Madhya Pradesh) for Entrepreneurship and Skill Development Programs. The MOU was signed by Miss Anuradha Singhai, Executive Director of CEDMAP, and Dr. Arun Kumar Pandey on behalf of TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal.



MoU Signed with Capgemini



MoUs for Centre of Excellence



Academics Pursuit


Webinar on Career Guidance


A career guidance webinar is being attended by TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal. The webinar features a speaker, Mr. Suraj Kumar Gupta, who is a proud alumni of the institute and currently working at Persistent Systems.

Webinar on
CAREER
Guidance


13 August Saturday 12:00 pm

Proud Alumni




SURAJ KUMAR GUPTA
Software Engineer
 Persistent

ORGANIZERS



Dr. Kavita Burse
Director
Corporate Relations & Planning
Technocrats Group



Faraz Naqvi
Placement Manager
Technocrats Group

Alumni Interaction

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE) in Bhopal is hosting an exciting Alumni Interaction Session today at 2:30 PM featuring two successful alumni from our very first batch: Mr. Rahul Soni, Lead Product Manager at Informa in the UK, and Ms. Nidhi Saxena, Domain Architect at Dr. Martens Plc in the UK. These alumni interactions provide a unique platform for our students to connect directly with our alumni, gain valuable insights into industry trends, and receive first-hand knowledge about career development opportunities. We encourage all students to participate in this session and take advantage of this excellent networking opportunity.

ALUMNI
INTERACTION SESSION

By
FIRST BATCH STUDENTS

5 August Friday 2:30 pm

Proud Alumni

RAHUL SONI
Lead Product Manager
Informa, UK

NIDHI SAXENA
Enterprise/Domain Architect
Dr Martens Plc, UK

INSTITUTIONAL PROGRAMS

Career Guidance Webinar

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE) in Bhopal is committed to fostering a seamless connection between our alumni and current students. In line with this commitment, we are pleased to announce an upcoming Career Guidance Webinar on July 2, 2022, featuring one of our distinguished alumni, Mr. Mudassar Shamim, who currently serves as an Associate Analyst at Global Logic. This webinar promises to provide valuable insights and advice for our students as they navigate their career paths.

Proud Alumni

Webinar on
CAREER Guidance

2 July 2022
Saturday 11:00 am

ORGANIZERS

Mudassar Shamim
Associate Analyst
GlobalLogic
Gurgaon

Dr. Kavita Burse
Director
Corporate Relations & Planning
Technocrats Group

Faraz Naqvi
Placement Manager
Technocrats Group

Independence Day

On this auspicious occasion of Independence Day 2022, let us remember that the Indian tricolour flag is not just a symbol, but an emotion that represents our love and pride for our great nation. May we all work towards the betterment and progress of our beloved country. Happy Independence Day!



“Higher Education in France”

Seminar on
HIGHER EDUCATION IN FRANCE

CAMPUS FRANCE
campusfrance.org

AMBASSADE DE FRANCE EN INDE
Liberté Égalité Fraternité

INSTITUT FRANÇAIS

The Embassy of France in India

15 September 2022
04:00 pm

ORGANIZER
Dr. Kavita Burse
Director
Corporate Relations & Planning
Technocrats Group

Technocrats Group of Institutions, Bhopal is organizing an interactive seminar on "Higher Education in France" in collaboration with Campus France India and the French Institute in India.

The seminar will provide students with an excellent opportunity to interact with representatives from some of the leading French universities and understand the nuances of the French education system.

“Career Opportunities in the Government Sector”

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal conducted a seminar on "Career Opportunities in the Government Sector" for second-year students. The session was led by Mr. Anand Sabdhani, an expert in preparing students for various Government Sector exams, who provided valuable guidance on how to work hard while maintaining focus to achieve career goals.



INSTITUTIONAL PROGRAMS

Teacher's Day



Ganpati Utsav



Induction Phase II

On 2nd December 2022, Technocrats Institute of Technology (Excellence) conducted 'JHALAK', a cultural talent hunt, as a part of the second phase of the Induction Program for the first-year students. The event was a success and showcased the talents of the students.



INSTITUTIONAL PROGRAMS

“ALCHERINGA 2K22”

The Bhopal City audition for "Alcheringa 2k22," the cultural youth festival of IIT Guwahati, is set to take place at TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal. Scheduled for December 10, 2022, the event promises to showcase the talents of young individuals in various cultural domains. The dance events will take place in front of the central block, while the MBA seminar hall will host the voice of Alcheringa, poetry slam, and Mehfil e Alcheringa. The garden in front of the central block will serve as the venue for Halla bol. The event will commence at 1:30 pm, providing a platform for young performers to display their skills and compete in the cultural domain.

IIT Guwahati Cultural Fest
HIGHWAY TO ALCHER

- ✓ Electric Heels
- ✓ So you think you can dance
- ✓ Dancing Duo
- ✓ Voice of Alcheringa
- ✓ Halla Bol
- ✓ Poetry slam
- ✓ Mehfil-e- alcheringa

100 %
Travel Reimbursement to winners
Free
Registration

10 DECEMBER
Saturday

Bhopal City Audition

National Mathematics Day

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal successfully organized and celebrated National Mathematics Day on 22 December 2022. The event comprised of a series of competitions in which students demonstrated their talent and knowledge in mathematical applications. The competitions included Poster, Model, Presentation and Poetry, and the winners and participants were awarded with certificates and tokens of appreciation. The highlight of the event was the 'CHALCHITRA SERIES', which commenced with the screening of a movie based on the life story of Sir Srinivas Ramanujan.



“Slogan Competition”

✧ Congratulations ✧

Winners of
Slogan Writing Competition

Organized by
Technocrats Institute of Technology (Excellence)

On the occasion of *Kargil Vijay Diwas*

Vaishali Phalkey
1st Year- CSE

Utkarsh Setiya
1st Year- CSE

, Technocrats Institute of Technology (Excellence) held an online Slogan Writing Competition to commemorate Vijay Diwas. We would like to extend our congratulations to Vaishali Phalkey and Utkarsh Setiya from the Basic Science Department of the CSE branch for their outstanding literary skills and winning the competition.

“Career Opportunities in Taj Group”

The students of TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal were treated to a fantastic and informative session on 'Career Opportunities in Taj Group' today. The guest speakers for the session were Mr. Tushar Abrol, Director of Learning and Development, Taj Hotels and Ms. Amiksha Saxena, Assistant Manager of Learning and Development, Taj Hotels. They provided valuable insights and guidance to the students about career prospects in the hospitality industry.



Blood Donation

Technocrats Institute of Technology (Excellence), in collaboration with HDFC Bank and Hamidia Hospital Blood Bank, successfully organized a 'Blood Donation Camp' with the help of the NSS Unit. Over 100 students and college staff participated in the event by donating blood and contributing to this noble cause.



New Year Celebration - HOLA 2k23



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.

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.

PATENTS

- Dr. Yogadhar Pandey published a patent on '**Automatic Salt Segmentation with UNET in python using Deep Learning**' with the application number 202141061638.
- Dr. Rachna Kamble published a patent on '**Method and System for developing efficient load balancing using priority algorithm in cloud computing**' with the application number 202121061160.
- Ms. Bhavna Choubey published a patent on '**AUTOMATED HYDROPONICS SYSTEM USING IOT DEVICES**' with the application number 202221009360.
- Mr. Ram Sahu published a patent on '**Artificial Intelligence and Machine Learning approaches for forecasting and prediction of Covid-19 Pandemic**' with the application number 202221002366

Smart India Hackathon (SIH-2k22)

TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal feels elated to share that our students team from Technocrats Institute of Technology (Excellence) are shortlisted as finalist teams in grand finale round of Smart India Hackathon (SIH- 2022).It is the World's largest coding competition being organised by Ministry of Home Affairs, Government of India, and AICTE jointly.

Smart India Hackathon 2022 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving.



Heroic Abhiyanta | Technocrats Institute of Technology (Excellence)
#SIH 2022 @ GMR Institute of Technology, Rajam (AP)

Heroic Abhiyanta

Team Members- Alok Kumar, Komal Chadokar, Shivam Lodhi, Sourabh Kourav, Hariom Mayvad, Asmita Soni



Team Pheonix | Technocrats Institute of Technology (Excellence)
#SIH 2022 @ IIT BHU, Varanasi

Team Phoenix

Team Members- Vaibhav Gangil, Prabhash Ranjan, Shruti Shukla, Somil Singh Parihar, Aastha Singh, Pranjali Sable



Team Tech Virus | Technocrats Institute of Technology (Excellence)
#SIH 2022 @ GIET University, Gunupur (Odisha)

Team Techvirus

Team Members- Ashutosh Tiwari, Deekshant Suryawanshi, Govind Gupta, Kumkum Deshmukh, Khushboo Kumari



Mighty IT Warrior | Technocrats Institute of Technology (Excellence)
#SIH 2022 @ Techno International, Kolkata

Mighty IT Warrior

Team Members- Ritika Panjwani, Yogyata Singh, Shruti Kushwaha, Shreya Gupta, Vikas Agrawal, Palash Shrivastava



TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal congratulates their outstanding performance in the SIH Grand Finale 2022, and for receiving appreciation for their exceptional work.

Department of Computer Science & Engineering

“THE FUTURE OF SKILLS”

In commemoration of World Youth Skills Day, L&T EduTech is organizing an exclusive webinar under the #CollegeConnect initiative, titled "The Future of Skills". The purpose of this webinar is to guide and motivate young individuals to hone their skills, not only for their personal growth but also for the betterment of the world. Distinguished experts and leaders from diverse industry domains, including Engineering, Technology, IT, Infrastructure, Construction, Manufacturing, etc., will participate in this exclusive webinar and share their insights on the future of skills. Join us for this informative and inspiring event.

World Youth Skills Day 2022

Webinar on
THE FUTURE OF SKILLS

Experts' views on emerging skills, newer career paths, reinvention of traditional roles, digitally enabled workforce, latest industry requirements and more...

SPEAKERS

Sandeep Deb Chief Technology Officer L&T Infotech	Lakshmi Prasad Emuri Global Delivery Head – Data Center LARSEN & TOUBRO	Amit Kumar Mukherjee Vice President & Head - Transportation Infrastructure LARSEN & TOUBRO	Vipul Chandra Treasurer LARSEN & TOUBRO	Narayanan R National Head - Education & Skills and Partner KPMG

“Cyber Security Session”

Join us for an informative #LIVE session on "Cyber Security - Identity and Access Management" featuring our #proudalumni, Mr. Kundan Kumar Pathak. This session promises to be an insightful discussion on the latest trends and challenges in cybersecurity, as well as strategies for effective identity and access management. Don't miss out on this opportunity to learn from an industry expert!

Webinar on
Cyber SECURITY (IAM)

Proud Alumni

Kundan Kumar Pathak
Software Engineer
wipro

ORGANIZERS

Dr. Kavita Burse
Director
Corporate Relations & Planning
Technocrats Group

Faraz Naqvi
Placement Manager
Technocrats Group

6 August
12 PM

Seminar on AR-VR

Mr. Prashant Mishra, Founder & CEO of TechXR Innovations Private Limited, conducted a seminar on Augmented and Virtual Reality Technology (AR-VR) at TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal. TechXR Innovations has developed its own patented custom hardware solution to enable access to AR-VR content to people and institutions who cannot afford expensive VR/MR headsets available in the market. . The seminar covered topics such as an introduction to AR-VR technology, a live demo of AR-VR technology, career opportunities, and how to build a career in this domain. The seminar also included a quiz conducted by the team of IIT Roorkee, and AR/VR kits were gifted to students as prizes.



Real-Time Information

A virtual information session titled 'Real-Time Information from Top 6 Taiwan Universities' is being organized by TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal. The webinar will feature six top universities from Taiwan, providing a comprehensive platform to access real-time information.

Webinar on
Real-Time Information from Top 6 Taiwan Universities

ABOUT ADMISSIONS, SCHOLARSHIP & APPLICABLE MAJORS

GUEST UNIVERSITIES

- National Sun Yat-sen University
- National Yang Ming Chiao Tung University
- Kaohsiung Medical University
- China Medical University
- Chang Gung University
- Yuan Ze University

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.



Expert Talk

Technocrats Institute of Technology (Excellence) organized an Expert Talk for Mechanical Engineering students of TECHNOCRATS INSTITUTE OF TECHNOLOGY (EXCELLENCE), Bhopal. The lecture was delivered by a renowned Professor of the mechanical Engineering discipline in the country, Prof.(Dr.) D.P. Kothari, Former Director, Indian Institute of Technology, Delhi & Former Vice Chancellor, VIT, Vellore, on the topic "Energy and environment problems facing the third world and their probable solutions for sustainable development".

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)

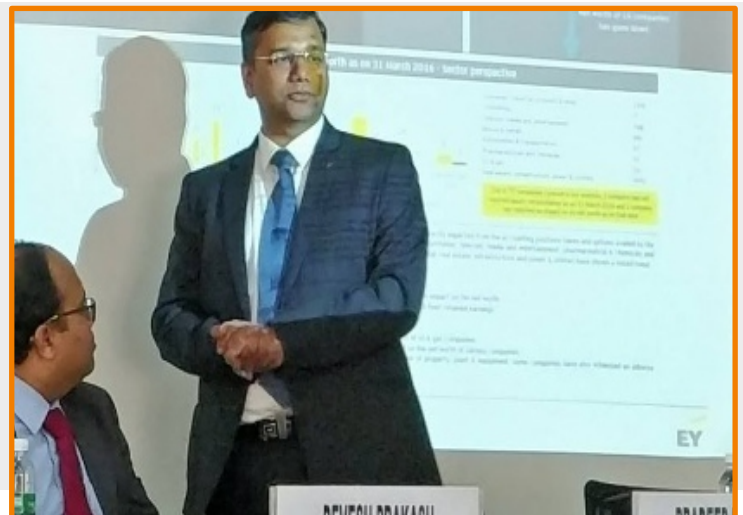
- PEO 1: Graduates will become established professionals in the field of Electronics and Communication Engineering, software development and other related fields, who are adaptable in any environment and can practice the ethics of their professions, consistent with a sense of social responsibility.
- 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.

“Expert Talk ”

Expert Talk on “Human values and ethics in education, through Sahaja Yoga. The topic was focused on the Universal human values play an important role in the life of human at various stages including education and career. This virtual event was organized in association with H.H. Shri Mata Ji Nirmala Devi Sahaja Yoga Trust with Dr. Devesh Prakash Financial Accounting Advisory Services (FAAS), EY India as Key Speaker.



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.

Design and Development of Unmanned Aerial Vehicles



Energy and Environment Problems





**Awarded “Highest Placements & Best Academics Award”
by Shri Anurag Thakur ji, Hon’ble Minister of Sports, Youth Affairs and
Minister of Information and Broadcasting, Govt. of India**

Program Outcomes

- **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@titexcellence.net; website: www.titexcellence.net