

Technocrats Institute of Technology & Science , Bhopal

Newsletter

Bi-ANNUAL NEWSLETTER

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About Us

Technocrats Institute of Technology & Science (TIT&S) was established in 2007 by Pawan Tanay Shiksha Samiti, Technocrats Institute of Technology & Science (TIT&S) is one of the 11 Institutes, including Engineering Colleges of Technocrats Group. It is affiliated with Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, a renowned university in Madhya Pradesh for technical education under the Ministry of Human Resources Development, Government of India, New Delhi, and recognized by AICTE. TIT&S awards Bachelor of Technology degrees in Electronics & Communication Engineering, Computer Science & Engineering, CSE (Artificial Intelligence & Machine Learning), Mechanical Engineering, Electrical & Electronics Engineering, and Civil Engineering disciplines. Additionally, it offers PG courses in Computer Science & Engineering, Heat Power & Thermal Engineering, Power Systems, MBA, MCA, and three-year diploma programs in Mechanical Engineering and Electrical & Electronics Engineering, ensuring the legitimacy of the institute and the degrees awarded to its graduating students.



Vision

To develop as a centre of excellence in imparting quality education, to produce technically and ethically competent, socially responsible and innovative technocrats in the field of engineering and management to cater the demand of contemporary industrial scenario.

Mission

- M.1: To create an ambience of learning for imparting quality education by delivering in depth knowledge and giving practical exposure.
- M.2: To impart training on recent technologies and professional ethics to make students highly analytical and innovative technocrats.
- M.3: To develop entrepreneurship ability and inculcate social ethics amongst the students by conducting outreach, co-curricular & extracurricular activities.

Department of Computer Science & Engineering

Vision of the department

To achieve high standard in imparting quality education in the field of Computer Science & Engineering to produce technically and ethically competent, socially responsible and innovative Computer Science & Engineering professionals.

Mission of the department

M.1: To create an academic ambience to achieve high standard of quality education by imparting in-depth conceptual domain knowledge and practical exposure.

M.2: To impart training on recent tools & technologies to make students analytical and innovative Computer Science engineers.

M.3: To inculcate research oriented skills, professional & social ethics and entrepreneurship skills amongst the students by co-curricular, extra-curricular & additional awareness activities.

Program Educational Objectives (PEOs)

PEO 1: Graduate will become an established professional in the field of Computer Science & Engineering and related fields.

PEO 2: Graduate will develop strong foundation to pursue higher studies or opting careers in research field.

PEO 3: Graduate will be established as an effective communicator & will demonstrate good ethical and leadership skills.

Program Specific Outcomes (PSOs)

PSO 1: Graduate will be able to develop computer based applications of moderate complexity in the areas of database system, IOT and machine learning.

PSO 2: Graduate will be able to apply standard software project management practices and methods to deliver quality projects.

PSO 3: Graduate will be able to analyze cost effective algorithms for real time engineering application including societal problem.

TOPPERS JUNE 2023

4thYear



YogeshKu.Pandey 9.41 CGPA



ShikhaGupta 9.37 CGPA



VaishaliKhosi 9.37 CGPA

3rdYear



AnuragGautam 9.23 CGPA



UjjawalaSable 9.20 CGPA



NikitaKumari 9.06 CGPA

2ndYear



9.23 CGPA



Sagar 8.98 CGPA



AmanPrajapati 8.75 CGPA

1stYear



VishalYadav 8.76 CGPA



ManshiRathore 8.33 CGPA



RajJaiswal 8.29 CGPA

Internal Smart India Hackathon 2023

Technocrats Institute of Technology & Science Bhopal, organized Internal Smart India Hackathon 2023 "World's Biggest Open Innovation Model", final round on 23rd of May, 2023, where 12 selected teams from various departments demonstrated their innovative solutions for various problem statements in different fields like Renewable/ Sustainable Energy, Blockchain & Cyber security, Smart Education etc and were sent for further participation in SIH.



National Youth Day 2023

Technocrats Institute of Technology & Science, Bhopal (M.P.) celebrated National Youth Day on 12.01.2023 as a part of the Azadi Ka Amrit Mahotsav. To reminisce the birth anniversary of Swami Vivekananda, National Youth Day or Yuva Diwas is celebrated on January 12, every year. The objective is to motivate the youth to lead the nation to prosperity, following the path carved by Swami Vivekananda



Women's Day 2023

In order to raise awareness among students about 'DigitALL: Innovation and Technology for Gender Equality'. An international Women's day celebration was organized by the Women's cell of "Technocrats Institute of Technology & Science Bhopal" on 08.03.2023.

Digital: Innovation and Technology for Gender Equality'. It recognizes and celebrates the women and girls who are championing the advancement of transformative technology and digital education



Department of CSE AIML

Vision of the department

To establish as an epicentre for scholarly achievement in the fields of machine learning, and artificial intelligence while offering students professional training and strong moral principles.

Mission of the department

To enhance an ability to deal with challenges in computer science and engineering by imparting knowledge of fundamental concepts and their applications through excellent classroom instruction, cooperative professional activities, and ethical actions



Program Educational Objectives (PEOs)

PEO 1: Graduate will become into a highly esteemed professional with strong ethical values in the fields of machine learning and artificial intelligence.

PEO 2: Graduate will exhibit all technical and scientific proficiency required to work as an entrepreneur in the machine learning and artificial intelligence fields while considering social and environmental concerns into account.

PEO 3: Graduate will possess strong foundation in the field of Artificial Intelligence and Machine Learning to be applied in their future researchandhigher studies.

Program Specific Outcomes (PSOs)

PSOs 1: Graduates will be able to apply the knowledge of relevant mathematical principles in building applications in machine learning.

PSOs 2: Graduates will be able to employ assimilated learning and knowledge from curricular courses towards personality development and grooming as responsible citizens.

PSOs 3: Graduates will be able to deliver new solutions, using

TOPPERS JUNE 2023

3rdYear



BhumikaChimaniya 9.28 CGPA



VishalBabu 9.18 CGPA



AnushkaSingh 9.12 CGPA

2ndYear



ShrutiVishwakarma 9.15 CGPA



ShristyMishra 9.05 CGPA



NimeshKumar 8.9 CGPA

1stYear



MdShagir 8.82 CGPA



AartiMishra 8.05 CGPA



KhushiNema 8.0 CGPA

Department of Electronics & Communication Engineering

Vision of the department

To become leader in the field of Electronics and Communication Engineering by developing an ecosystem of scientific learning and grooming the personality of the students to cater the industrial and social needs through sustainable technological growth.

Mission of the department

M.1: To ensure comprehensive experimental learning by providing modern teaching learning aids and competent faculty members to meet the ever growing and changing industrial scenario.

M.2: To provide exposure of cutting edge tools and technologies with the collaborations of industry and academia

M.3: To inculcate problem solving skills, innovative and leadership qualities with professional ethics, thereby enhancing employability and entrepreneurship abilities among students.

M.4: To induce the spirit of social responsibility and creative thinking among students through curricular and co-curricular activities



Program Educational Objectives (PEOs)

PEO 1: Graduate will become an established professional in the field of Electronics and Communication Engineering and related fields.

PEO 2: Graduates will demonstrate multidisciplinary approach to become an entrepreneur to meet the needs of industry, with due consideration of social and environmental issues.

PEO 3: Graduate will exhibit research aptitude and adaptability for new ideas and technologies through lifelong learning.

Program Specific Outcomes (PSOs)

PSO 1 Graduate will be able to develop solution for complex problems in the domains of Electronics, Signal Processing and related fields as per contemporary industrial needs.

PSO 2 Graduate will be able to apply the acquired technical knowledge of Electronics and Communication Engineering to provide sustainable solutions for real world problems in VLSI and embedded systems.

PSO 3 Graduates will adapt modern tools and technology to develop Electronics and Communication Engineering projects in context of societal need and environmental issues.

TOPPERS JUNE 2023

4thYear



SaurabhNayak 9.33 CGPA



ShashwatGupta 9.26 CGPA



AkashMishra 9.08 CGPA

3rdYear



HarshChaurasiya 8.46 CGPA



MuskanParveen 8.46 CGPA



TanuGour 8.44 CGPA

2nd Year



PujaDheer 8.11 CGPA



AniketGupta 7.88 CGPA



SanaRaeen 7.79 CGPA

1stYear



PawanKori 7.84 CGPA



ShreyaVerma 7.81 CGPA



AmandeepTripathi

Internet of Things (IOT) using Arduino Workshop sponsored by the IETE Student Chapter

Department of Electronics and Communication Engineering, Technocrats Institute of Technology & Science and Technocrats Institute of Technology, Bhopal organized Four days workshop on the topic "Internet of Things (IOT) using arduino workshop " for B.Tech students on date 06/02/2023- 10/02/2023. This is a hands-on workshop, where you'll learn how to create a Bluetooth remote or monitoring device, following a step-by-step learning structure.

- 1. Arduino Programming
- 2. Bluetooth AT Command Configuration
- 3. Arduino Hardware Control and Sensor Reading
- 4. Android App Development with MIT App Inventor
- 5. Data Conversion from Arduino to Android App
- 6. Bluetooth Control Hardware and Deliver Sensor Data
- 7. Local WiFi setup for smart IoT devices. IoT platform to create data loggers



Students Achievement

S. No.	Name of Student	Enrollment No.	Compan y Name
1	Anuj Tiwari	0192EC191013	Accenture
2	Devesh Shukla	0192EC191019	Capgemini
3	Khushi Shrivastava	0192EC191026	Capgemini
4	Shashank Sahu	0192EC191047	Capgemini
5	Sudhanshu Ranjan Choubey	0192EC191053	Capgemini
6	Subhash Kumar	0192EC191052	Cognizant

Department of Electrical & Electronics Engineering

Vision of the department

To impart core and multidisciplinary knowledge and develop skills through innovative teaching learning Practices and inculcate professional ethics amongst the students of Electrical and Electronics Engineering Department.

Mission of the department

M1: To aspires technical environment of learning through quality teaching, practical skills and field work to groom the graduating engineers for industry, research and higher education.

M2: To provide environment for multidisciplinary learning skills through collaborative and professional activities.

M3: To inculcate ethical and moral values by providing congenial environment.





Program Educational Objectives (PEOs)

PEO1: Graduates will become renowned professionals in the field of Electrical and Electronics Engineering and relevant fields with good ethical values.

PEO2: Graduates will exhibit essential engineering and scientific capability to become an entrepreneur in the field of Electrical and Electronics Engineering and similar fields taking into account the contemporary social and environmental issues.

PEO3: Graduates will possess in depth knowledge in the field of Electrical and Electronics Engineering to pursue research and their higher studies.

Program Specific Outcomes (PSOs)

PSO1: Graduates will be able to analyze power system using electrical machines, power electronics, instrumentation and control systems.

PSO2: Graduates will be able to apply appropriate techniques and modern engineering hardware and software tools in the field of power systems and power electronics.

PSO3: Graduates will be able to adapt technological advancements in electrical & electronics engineering and analyze its impact on societal and environmental context.

TOPPERS JUNE 2023

4thYear



Apurvdebnath 9.07 CGPA



AditiThakur 9.03 CGPA



LalitKumar 9.1 CGPA

3rdYear



NaveenKumar 8.99 CGPA



GyanPrakash 8.81 CGPA



AbhishekSingh 8.68 CGPA

2ndYear



GauravPatel 8.33 CGPA



ManishaKumari 8.29 CGPA



JubinThomas 7.42 CGPA

1stYear



Satyam 8.33 CGPA



AnshulPoosam 8.29 CGPA



ArvindSondhiya

Department of Mechanical Engineering

Vision of the department

To develop technically skilled, research oriented ethical mechanical engineers with leadership and entrepreneurial skills to contribute to the sustainable development in their field.

Mission of the department

M1: To impart in depth domain knowledge through quality teaching-learning process and practical exposure.

M2: To impart training on recent technologies & provide the opportunities to the students for finding innovative solutions of existing problems.

M3: To develop entrepreneurship abilities and ethics among the students through conducting outreach, co curricular & extracurricular activities.



Program Educational Objectives (PEOs)

PEO 1: Students will become established professional in their respective fields of mechanical engineering.

PEO 2: Students will demonstrate high learning spirit towards pursuing higher studies and solving issues of industries.

PEO 3: Students will become successful entrepreneur in his chosen area in the field of Mechanical Engineering considering socioeconomic needs.

Program Specific Outcomes (PSOs)

PSO 1:Graduates will be able to apply concepts of mechanical engineering for design and manufacturing of products.

PSO 2:Graduates will be able to adapt domain knowledge for solution of thermal power and automotive sectors.

PSO 3: Graduates will be able to pursue higher studies or work in his chosen area in the field of Mechanical Engineering as professional or entrepreneur.

TOPPERS JUNE 2023

4thYear



ApoorvaShukla 9.37 CGPA



AnkeshKumar 9.04 CGPA



MohitDwivedi 8.98 CGPA

3rdYear



PradeepKumar 8.47 CGPA



MayaBhagat 8.02 CGPA



ShubhamAsati 7.9 CGPA

2ndYear



ArjunChouhan 8.64 CGPA



VishalBhadre 8.25 CGPA



ManeeshNagwanshi 7.96 CGPA

1stYear



Prashant 7.98 CGPA



SwayamSingh 7.31 CGPA



UddeshyaSingh 7.29 CGPA

IIIE Foundation Day

IIIE Students Chaper of Technocrats Institute of Technology & Science has celebrated Foundation Day of Indian Institution of Industrial Engineering (IIIE).

Er. A.K. Bhatt (Hon. Secretary IIIE Bhopal Chapter) and Er. U.S. Raghuwanshi (Vice-Chairman IIIE Bhopal Chapter) has graced the occasion as the chief gust and guest of honour.



Paper Presentation Competition

Technocrats Institute of Technology & Science celebrated the Foundation Day of Indian Institution of Industrial Engineering (IIIE) with fervor by hosting a paper presentation competition. The event, led by IIIE Students' Chapter, centered on the theme "Application of Industrial Engineering in Daily Life." Enthusiastic participants showcased innovative applications of industrial engineering principles in various aspects of everyday life, emphasizing efficiency, optimization, and problem-solving. The competition fostered a platform for students to demonstrate their understanding of industrial engineering concepts and their practical implications, reinforcing the significance of IIIE's mission.



Department of Civil Engineering

Vision of the department

To develop professionally competent Civil Engineers with a focus on innovative approaches to cater the need of the society with ethical values.

Mission of the department

M1: To provide quality education in the field of civil engineering with exposure to emerging technology.

M2: To provide awareness of modern tools and advance techniques to cater the dynamic and challenging environment.

M3: To promote innovative and original thinking in the of budding engineers to face the challenges of the future with relevance to entrepreneurship

Program Educational Objectives (PEOs)

PEO 01: Graduates will become an established skilled Civil Engineer with sound ethical values.

PEO 02: Graduates will demonstrate all necessary scientific and engineering proficiency to become excellent Civil Engineer considering social, ethical, and environmental issues.

PEO 03: Graduates will exhibit strong leadership quality, eagerness for lifelong continuous learning to adopt themselves in higher studies and relevant research

Program Specific Outcomes (PSOs)

PSO 01: Graduates will be able to apply domain knowledge of Civil Engineering for analyzing and designing projects in the field of Structure, Transportation, Environmental, Hydraulics, and Irrigation Engineering.

PSO 02: Graduates will design and develop Civil Engineering projects concerning environment, ecology, energy conservation and sustainable materials with acquired safety.

PSO 03: Graduates will be able to analysis, plan and execute Civil Engineering projects applying relevant codes of practice for construction materials and techniques.

TOPPERS JUNE 2023 4th Year



ABHINAYKUMAR 9.15 CGPA



ABHISHEK 8.67 CGPA



RANJANAJAISWAL 8.57 CGPA

3rdYear



RAJUKUMAR 8.78 CGPA



ALOKKUMAR 8.65 CGPA



SAMAYJAIN 8.65 CGPA

2nd Year



AJEETKUMAR 7.93 CGPA



GautamKaran 7.65 CGPA



ManoharKumar 7.47 CGPA

1stYear



RoshanKumar 6.64 CGPA



AbhijeetTiwari 6.17 CGPA



Md.MasoomReza 6.12 CGPA

STADD PRO Training

A 7 days training program was organised for VIth semester students on STADD PRO with a view to introduce students about design of civil engineering structures using software.



SITE VISIT Kolar Water Treatment Plant Visit

On January 18, 2023, 6th-semester students embarked on a significant educational journey with a site visit to the Kolar Water Treatment Plant. Immersed in practical learning, students delved into the intricacies of water treatment processes. They gained insights into various treatment methods, including coagulation and sedimentation tanks, as well as rapid sand filters. Exploring each element of the plant, students observed firsthand the application of theoretical knowledge in real-world scenarios. The visit not only broadened their understanding of water treatment but also underscored the importance of environmental stewardship and sustainable practices in ensuring access to clean and safe water.



Students Achievement



0192CE191002 AbhishekRaghuwanshi IustDial

Department Master of Business Administration MBA

Vision of the department

To be a globally recognized institution of academic excellence that develops exceptional business leaders who drive innovation, embrace ethical practices, and create positive change in organizations and society.

Mission of the department

To provide a transformative educational experience that equips students with advanced business knowledge, strategic thinking skills, and a global mindset. To produce highly skilled and globally competitive business professionals who contribute to the growth and prosperity of Indian enterprises and the nation.

Program Educational Objectives (PEOs)

- **1. Professional Excellence and Leadership:** Students will be prepared to pursue successful careers in various business domains, demonstrating ethical and responsible leadership.
- **2. Entrepreneurial Mindset and Lifelong Learning:** Students will cultivate an entrepreneurial mindset, enabling them to identify and capitalize on business opportunities, drive innovation, and create value in dynamic markets.
- **3. Global Perspective and Collaboration:** Students will acquire a global perspective, enabling them to navigate cross-cultural environments, understand diverse markets, and leverage international opportunities. They will be effective communicators and collaborators, capable of building and leading high-performing teams, fostering an environment of cooperation, inclusivity, and productive conflict resolution in a globalized business world.

Program Specific Outcomes (PSOs)

PSO 1: Incorporating experiential learning techniques allows graduates acquire the abilities essential to effectively manage and lead companies worldwide.

PSO 2: Providing students the chance to compete in a corporate environment that is diverse, experiencing rapid technological advancement, and characterized by intense competition.

TOPPERS DEC 2023

MBA



Purvika Dhoble R222760930052



Bharti Vohra

Department Master of Computer Applications MCA

Vision of the department

To be recognized as a Centre of Excellence imparting quality education and creating new opportunities for students to meet the challenges of technological development in Computer Applications.

Mission of the department

- To promote technical proficiency by adopting effective teaching learning processes.
- To provide environment & opportunity for students to bring o ut their inherent talents for all round development.
- To promote the latest technologies in Computer Applications and across disciplines in order to serve the needs of Industry, Government, Society, and the Scientific community.

To educate students to be successful, ethical, effective problem-solvers and life-long learners who will contribute positively to the society.

Program Educational Objectives (PEOs)

PEO 1: To provide opportunities for acquiring in-depth knowledge of fundamental concepts and to frame real problems in computer with programming skills.

PEO 2: To apply current tools, technologies, and research to create systems for solving industry-oriented problems.

PEO 3: To adopt a change of requirements & technologies to improve human values & ethics in society.

Program Specific Outcomes (PSOs)

PSO 1: To develop the ability to frame ideas and design solutions through computer programming.

PSO 2: Develop the ability to use current technologies, skills, and models for computing practice.

PSO 3: To develop algorithms and methods to solve specific and generalized problems to create easy-to-use and scalable computer applications.

TOPPERS DEC 2023

MCA



Pankaj Kumar Sharma 0192CA211035



Anchal Yadav

DIPLOMATOPPERS JUNE 2023

Electrical & Electronics (EX)



3rdYear RahulRaj 8.23 CGPA



2ndYear PramilaHariyale 8.62 CGPA



1stYear RahulKumar 8.57 CGPA

Mechanical (ME)



3rdYear DikshaDwivedi 8.46 CGPA



2ndYear NishaKori 7.69 CGPA



1stYear GajendraBahadur 7.5 CGPA

National Youth Day Celebration

Department of CSE & Diploma, TIT & S has organized "National Youth Day" in the remembrance of Swami Vivekanand on 11th and 12th January 2023. Surya Namaskar, Cultural program & Prize distribution were organized on 12th January. Chief guest of the event, Mr. Pranesh Gupta, IRS, Joint Commissioner, GST Department, Govt. of India, highlighted the importance of this day and encouraged students how they can become outstanding person. Guest of Honor, Mr. Suyash Tyagi, "Thinker & Author" emphasised the life and time of Swami Vivekanand. Other Guest of Honor Mr. Pawan Dubey, "Youth Connect Founder & Social Activist", drew attention to various teachings of Swami Vivekanand.On this occassion Mr Sachin Thakur from "The Kabadiwala" given a presentation to the students about waste management.To mark "National Youth Day" celebrations, on 11th January, Inaugarated in the gracious presence of Dr Bhupendra Verma who motivated the students by words of wisdom. Dr P. K. Pandey also shared his valuable insights for the overall growth and development of the students. Competitions like Extempore, Poster making, Essay writing and Debate was organized for the students of TIT Group and other Colleges of Bhopal. Faculties, sta ffand more than 300 students attended the function.





INDUSTRIAL VISIT

Technocrats Institute of Technology & Science, Bhopal orchestrated an enriching educational excursion on January 11th and 12th, 2023, inviting B.Tech I Semester students to the Regional Science Centre in Bhopal. This immersive trip aimed to offer students a hands-on, contextual comprehension of fundamental scientific and technological concepts. Participants were treated to a multifaceted experience, engaging with the wonders of science through interactive exhibits, a captivating 3D theater, and the enchanting Taramandal. Moreover, they had the privilege to explore the Science Fiesta exhibition, which was a highlight of the 28th-anniversary celebrations held from December 10th to January 12th, 2023. This initiative fostered a deeper appreciation for the marvels of science and technology among the students.



NATIONAL SCIENCE DAY

Under the auspices of the Rotaract Club, Technocrats Institute of Technology & Science (TIT & S) orchestrated a commemoration of "National Science Day" on February 28th, honoring the groundbreaking discovery of the "Raman effect" by Indian physicist Sir C. V. Raman. The event was themed "Global Science for Global Wellbeing". Mr. Mayank Saxena, the esteemed Chief Guest and Founder of "The Maestros Infotech", enlightened students about recent advancements in the IT industry, spanning topics such as web designing, web development, open-source development, mobile applications development, and blockchain development. Guest of Honor, Mrs. Kumud Tiwari, an Industrialist and Philanthropist from Paridhi Industries, shared her entrepreneurial journey, inspiring students to pursue business ventures. EV Expert Mr. Mohit Pandey elucidated key research areas in the field of electric vehicles. The event also featured various competitions, adding vibrancy to the celebration of National Science Day.



Technocrats Institute of Technology & Science

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