



**GUJARAT
TECHNOLOGICAL
UNIVERSITY**

AN INTERNATIONAL INNOVATIVE UNIVERSITY
(Accredited with A+ Grade by NAAC)
State Government University

KANASH

Reflection of GTU - SET Activities

GTU – School of Engineering and Technology

**Volume V, Issue- II
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From the Desk of the Head, GTU-SET

Dear Readers,

It is a great pleasure to present the latest edition of the KANASH Newsletter, which highlights the remarkable achievements, academic advancements, and dynamic initiatives undertaken by the students and faculty School of Engineering and Technology, Gujarat Technological University. This issue reflects our commitment to academic excellence, innovation, and holistic student development.

The past semester has been marked by significant milestones, including impactful faculty research contributions, student-driven initiatives, and collaborative industry engagements. Our focus on emerging technologies and hands-on learning is fostering a culture of innovation, preparing our students for the challenges of tomorrow. I extend my heartfelt congratulations to the faculty, researchers, and students whose dedication and perseverance continue to bring laurels to GTU-SET.

As we move forward, let us continue to strive for excellence, embrace new challenges, and make meaningful contributions to academia, industry, and society. I encourage you all to actively participate in the various academic and extracurricular endeavors that shape our vibrant learning community.

Best wishes,

Dr. J. A. Amin,

Professor, GTU-SET.

1. Important Highlights / Achievements

• BE Orientation and Induction Program:

The objective of engineering education is to thoroughly prepare graduates in their chosen field, fostering a well-rounded personality while instilling a strong desire to serve society and the nation. It is essential to nurture human values in engineering students to help them fulfill their roles as engineers, citizens, and individuals. Given the diverse social backgrounds of students, the differences between urban and rural upbringings, their life skills, abilities, and perspectives often vary. To address these disparities, orientation programs should be organized to create a supportive environment where students feel comfortable, discover their interests, and explore their inner selves. These programs also encourage students to bond with peers, build relationships with faculty, strive for excellence, gain a broader perspective on life, and practice human values to shape their character. To this end, GTU – School of Engineering and Technology has arranged a 90-hour orientation/induction program for newly admitted students in UG – Computer Engineering and UG – Electronics and Communication Engineering. The program includes activities such as virtual activities, creative arts, literary events, proficiency modules, lectures by distinguished speakers, and innovation workshops, all designed to help students overcome challenges and inspire them to excel in their chosen field.



Visit to Heritage Walk





Teachers Day Celebration:

On the 5th of September 2024, a celebration was held in the GTU - School of Engineering and Technology on National Teachers Day to mark the birth anniversary of Dr. Sarvepalli Radhakrishnan. Teacher's Day is a special occasion that is celebrated to honor the dedicated educators who shape the future of our society. The valuable and proficient speech of Prof. (Dr.) Jignesh Amin to commence the event was truly inspiring and eye-opening for the students as to how much of a role one good teacher can play in their lives. The students of undergraduate CE contributed a lot to the event by volunteering in various activities like speech delivery, poster making, and card making to appreciate the gurus.hallenges and inspire them to excel in their chosen field.



First runner up from Department of Computer Engineering, student Vrinda Panchal prepared the beautiful poster in the competition.

Faculty Development Program (FDP): Semiconductor EDA Tools (Dates: 02 – 06 September 2024)

GTU-SET organized a 5-days faculty development program on "Semiconductor Electronics Design Automation (EDA) Tools" during 2-6 September 2024 in collaboration with Entuple Technologies Pvt. Ltd., Pune and Eigen Technologies Pvt. Ltd., Guragon. The objectives of the FDP were to hand on practices on EDA tools of Cadences and Synopsis for semiconductor IC design, analysis, development, and to prepare technical workforce. The Eigen Technologies Pvt. Ltd and Entuple Technologies Pvt. Ltd have given free access to the Synopsis bundle and Candence Bundle for the participants. The FDP inaugurated in the presence of Dr. Nilesh Desai, Director, SAC (ISRO), Ahmedabad, Dr. Rajul Gajjar, Vice Chancellor, GTU, Mr. Peter Johnson, Manager, Entuple Technologies Pvt. Ltd., Mr. Vyom Sharma, Eigen Technology Pvt. Ltd., Dr. R. A. Thakker, Director, RDC, GTU, and Prof. J. A. Amin. 40 faculty members from 23 institutes have participated in the FDP. The FDP explored various Synopsys EDA tools for analog and digital IC design, analysis for RTL to GDSII flow, TCAD tools delivered by Mr. Vyom Sharma, and Mr. Prashanth. Mr. Shivprashad, Entuple Technologies Pvt. Ltd delivered sessions on IC design flow using Cadence tools, namely, Virtuoso schematic editor, Spectre, Quantus, DRC & LVS, IMC, TCL scripting, Innovus, TEMPUS, VOLTUS. Prof. Gautam D. Makwana and Prof. Komal R. Borisagar coordinated the FDP.



Diwali Celebration: On 25th October 2024, the School of Engineering and Technology at Gujarat Technological University (GTU) hosted a vibrant Diwali celebration, beginning at 10:30 a.m. and coordinated by Dr. Bhavadip Moghariya, Dr. Kaushik Gondaliya, Prof. Komal Prajapati, and first-year students of the BE-CE program. The event featured a rangoli competition, an art & craft competition, a lively antakshari session, and energetic dance and garba performances. Attendees, including students, faculty, and staff, immersed themselves in the festive atmosphere and expressed their creativity while celebrating the spirit of Diwali. This joyful gathering not only showcased the artistic talents of the GTU community but also strengthened bonds and cultural appreciation across the campus.





2. Academic & Research Contributions

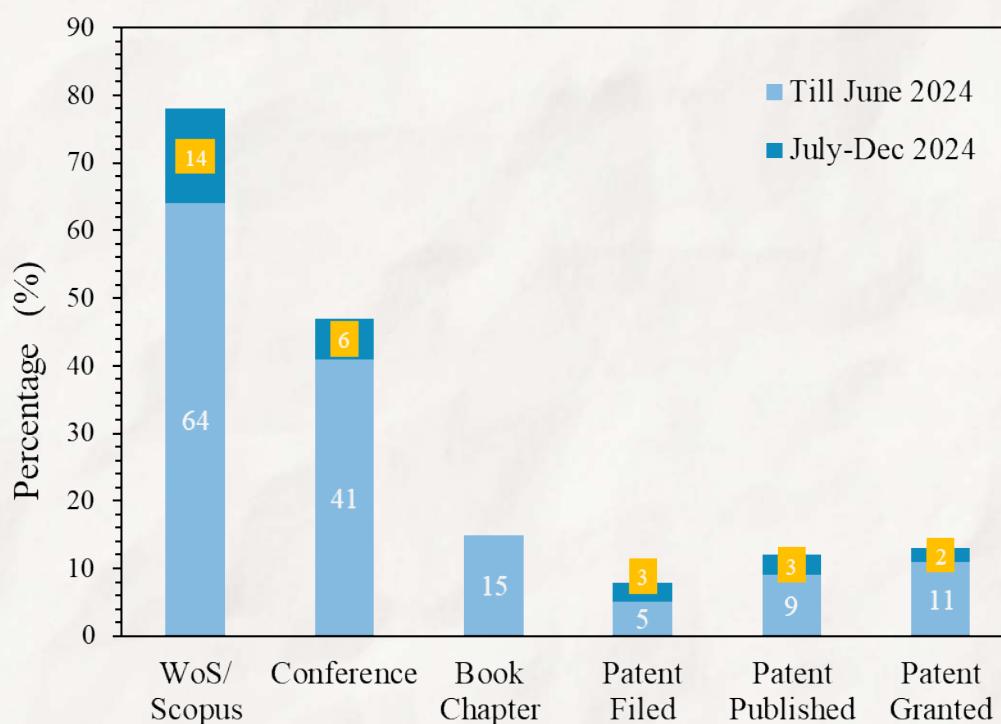
2.1 Research Publications

Peer-Reviewed Journals:

- Bhatt, R. V., & Makwana, G. D. (2024). Design of Multiband Patch Antenna for WLAN Applications. *Science and Technology Asia*, 29(3), 67–73.
- Bhatt, R. V., & Makwana, G. D. (2024). Design of Multiband Patch Antenna for WLAN Applications. *Science & Technology Asia*, 29.0(No.3 July-September-2024), pp. 1-10. <https://doi.org/P-ISSN 2586-9000 E-ISSN 2586-9027>.
- Brijesh Kundaliya, Upesh Patel*, S. K. Hadia, Smit Patel, Jaanvi Patel, Parv Barot (2024). An IoT and Cloud Enabled Smart Chair for Detection and Notification of Wrong Seating Posture. *Journal of Electrical Systems*, 20.0(3), pp. 1-10. <https://doi.org/10.21203/rs.3.rs-1999906/v1>
- Gondaliya, K. M., Vasanwala, S. A., Desai, A. K., Amin, J. A., & Bhaliya, V. (2024). Machine learning-based seismic fragility assessment for reinforced concrete buildings. *Journal of Building Engineering*, 82, 107896. <https://doi.org/10.1016/j.jobbe.2024.107896>
- Gondaliya, K., Amin, J., Bhaliya, V., Vasanwala, S., & Desai, A. (2024). Seismic Vulnerability Assessment of Building Stocks in the Western Zone of Surat-City, Gujarat, India, Using the Capacity Spectrum–Based Method. *Journal of Structural Design and Construction Practice*, 30(1), 04024107. <https://doi.org/10.1061/JSDCCC.SCENG-1608>
- Hakani, D. (2024). Enhanced particle swarm optimization-based approach to firewall optimal rule reordering. *International Journal of Computer Theory and Engineering*, 16(4), 134. <https://doi.org/10.7763/IJCTE.2024.V16.1361>.
- Hakani, D., & Mann, P. S. (2024). Intra firewall anomaly policies detection in cloud environment using firewall trees. *Transactions of the Indian National Academy of Engineering*, <https://doi.org/10.1007/s41403-024-00504-4>.
- Hakani, D., & Mann, P. S. (2025). Memory management of firewall filtering rules using modified tree rule approach. *International Journal of Informatics and Communication Technology (IJ-ICT)*, 14(1), 141-152. <https://doi.org/10.11591/ijict.v14i1.pp141-152>.
- Hakani, R., & Rawat, A. (2024). Edge Computing-Driven Real-Time Drone Detection Using YOLOv9 and NVIDIA Jetson Nano. *Drones*, 8(12), 680. <https://doi.org/10.3390/drones8120680>
- Palsanawala, T. N., Vasanwala, S. A., Devaraddi, C., & Gondaliya, K. M. (2024). Assessing seismic fragility on direct displacement-based designed RC frame considering SSI effect. *Bulletin of Earthquake Engineering*, 22(14), 6929-6953. <https://doi.org/10.1007/s10518-024-02035-3>
- Patel, B., & Mann, P. S. (2024). A survey on mobile digital forensics: Taxonomy, tools, and challenges. *Security and Privacy*. <https://doi.org/10.1002/spy2.470>.
- Raval, A., & Komal R Borisagar. (2024). Textual online content recommendation: Global scope anatomizing obscure features. *International Journal of Intelligent Systems and Applications in Engineering*. Retrieved from <https://www.ijisae.org/IJISAE/article/view/xyz>
- Seth, M. S., Dholakia, M., Dhiman, S., Khare, U. K., Amin, J., & Bhangaonkar, P. (2024). Multivariate analysis of inland water quality index in parts of Vapi district, Gujarat, India. *Water Supply*, 193-211. <https://doi.org/10.2166/ws.2024.264>
- Singh, P., & Borisagar, K. (2024). A detailed review of recent progress in cancer detection using machine learning and deep learning models. *Journal of Electrical Systems*, 20(3), 3767-3786. <https://doi.org/10.1016/j.jes.2024.03.001>

Conference Papers / Presentations & Accepted Book Chapters:

- Gondaliya, K., Amin, J., Vasawala, S. & Desai, A. (2024). Comparison of methodologies for seismic resilience evaluation of buildings as per Indian provisions. In Proceedings of the 9th Civil Engineering Conference in the Asian Region (CECAR9). SpringerLink. <https://link.springer.com/book/10.1007/978-981-99-8465-7>
- Gondaliya, K., Motiani, R., Amin, J., Vasawala, S., & Desai, A. (2024). Methods Comparison of Seismic Fragility for Indian Code-Compliant RC Frame. *Lecture Notes in Civil Engineering*, 485, 361–371. https://doi.org/10.1007/978-981-97-3994-3_26
- Gondaliya, K., Vasawala, S., & Desai, A. (2024). Design optimization of Indian code-compliant RC frames. In Springer Proceedings of the RAISE2024 Conference. (Presented & Under-review)
- Mehta, C., Gondaliya, K., & Amin, J. (2024). Investigation of wind interference on vertically twisted skyscrapers. In M. Nehdi et al. (Eds.), *Proceedings of SECON'24, Lecture Notes in Civil Engineering 607*. Springer Nature. https://doi.org/10.1007/978-3-031-70431-4_70
- Raval, A. S., Maheriya, A. P., Panchal, S., & Borisagar, K. (2024). Empowering the future of smart grids: Unveiling the role of electric vehicles in V2G integration for sustainable infrastructure. In *Advancements in Smart Grid Technology* (pp. 227-256). IGI Global. <https://doi.org/10.4018/979-8-3693-2611-4.ch011>
- Upadhyay, D., & Patel, P. (2024). Machine Learning-Based and Deep Learning-Based Intrusion Detection System: A Systematic Review. In Proceedings of the International Conference on Machine Learning and Systems. SpringerLink. https://link.springer.com/chapter/10.1007/978-3-031-03334-9_24



	WoS/Scopus	Conference	Book Chapter	Patent Filed	Patent Published	Patent Granted
Till June 2024	64	41	15	5	9	11
July-Dec 2024	14	6	0	3	3	2
Total	78	47	15	8	12	13

2.2 Research Projects & Grants

Faculty name	Project Title	Start Date	Submission Date	Grant Amount	Granting organization
Mr. Neelesh Kumar Sharma & Prof. Raj A. Hakani	Smart Gloves for Real-time Effort Measurement	5 th July 2024	7 th July 2025	₹90,000	Seed Money Scheme, GTU
Dr. Kaushik M. Gondaliya & Prof. (Dr.) Jignesh A. Amin	Seismic Vulnerability Assessment of RC Building Stocks	8 th July 2024		₹50,000	
Prof. Raj A. Hakani	Real-Time Drone Detection System Using Deep Learning Approach	8 th July 2024		₹90,000	

2.3 Faculty Contributions as reviewer in Peer-review Journals

Prof. (Dr.) Jignesh A. Amin	The Structural Design of Tall and Special Buildings
Dr. S. K. Hadia	- International Conference on Artificial Intelligence, Communication Technologies, and Smart Cities, for the 2024 International Conference on Microelectronics (IEEE-ICM2024). - He was invited to serve as a Technical Program Committee (TPC) reviewer for the 2025 International Conference on Control, Automation, and Instrumentation (IC2AI25).
Dr. Seema Joshi	- International Journal of Advanced Computer Science and Applications (IJACSA) - IEEE-Sponsored 2024 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC)
Dr. Kaushik Gondaliya	- Discover Civil Engineering - Discover Applied Sciences - Scientific Reports
Prof. Raj Hakani	IEEE Transactions on Systems, Man, and Cybernetics: Systems

2.4 Patents & IPR

Faculty Name	Title	Status
Dr. Komal Borisagar	High Speed and Low Cost Milk Analyzer for Testing Fat and SNF	Granted
Dr. Margam Suthar	Patent Certification for Innovation	Granted
Prof. Raj Hakani	Advanced Tissue Paper Roller Cutter	Filed
	Advanced Flight Control System for Multirotor UAV Using Hybrid Model Predictive Control	Published
	Simplified Semi-Autonomous Robotic System for Object Picking and Stacking Mechanism	Filed
	Robotic Dual-Ring Shooting Apparatus	Filed
	Smart Gloves for Real-Time Force Measurement	Published
Prof. Rasik Makwana	A System for Garbage Waste Management	Published

3. Faculty Honors and Activities

3.1 Faculty Awards & Recognitions

- Dr. Gautam D. Makwana, Associate Professor at GTU-SET, has been appointed as the Convener for the newly established Board of Semiconductor Technologies at Gujarat Technological University. The board aims to strengthen an ecosystem in semiconductor technologies for the stakeholders of the University and establishment of laboratories and center of excellence for skill development among the stakeholders.
- Prof. J. A. Amin served as the session chair at the RAISE-2024 conference organized by S.V. NIT, Surat on the theme of Sustainable Structure Engineering Practice. Prof. Kaushik Gondaliya served as session co-chair in the RAISE-2024 conference organized by SVNIT, Surat on the theme of Sustainable Structure Engineering Practice. Prof. J. A. Amin and Prof. Kaushik Gondaliya awarded the Best Paper Award for their research paper on "Design Optimization of Indian Code-Compliant RC Frames" at RAISE-2024.

Faculty Member	Event/Contribution	Topics of Expert Session	Date
Dr. P. S. Mann	Cyber Security threats and precautions	Delivered an expert session on the topic of cyber security threats and how to mitigate or avoid.	11-Oct-2024
Prof. Mahesh Panchal	Content delivery and Protection mechanics of MOOCs	Invited as a keynote speaker in the UGC sponsored inter university institute program (GURU-DAKSHAT)	19-Dec-2024
Prof. Deepak Upadhyay	Cyber Awareness Month Keynote	Delivered a keynote speech on cyber frauds in India, appreciated for the insightful session.	Oct-2024
Prof. Raj Hakani	ATL Tinkerpreneur 2024	Participated in and contributed to the ATL Tinkerpreneur event, showcasing innovative educational approaches.	2024
Dr. Kaushik Gondaliya	Workshop on Python in Structural Engineering	Conducted a workshop at Sanjivani College of Engineering, enhancing the application of Python in civil engineering.	24-Nov-2024
Prof. Deepak Upadhyay	Cybersecurity Training for Government Officials	Organized and will lead a cybersecurity training session aimed at government officials.	11-Sep-2024
Prof. Raj Hakani	Digital Initiative Workshop by AI and Robotics	Led a workshop at Kendriya Vidyalaya Ahmedabad Cantt, focusing on AI and robotics applications in education.	26-Jul-2024
Prof. Deepak Upadhyay	Expert Session at L.D. College of Engineering	Invited as an expert for a Workshop on Cyber Security, enhancing knowledge on cyber threats and safety measures.	13-Sep-2024
Dr. Gautam Makwana	ATAL FDP "Internet of Things and Its Applications" organized by S.N. Patel Institute of Technology and Research Centre, Bardoli, Surat	Invited as a speaker for a session on modern educational practices and methodologies under the ATAL FDP initiative.	16-Dec-2024
Dr. Kaushik Gondaliya	Thanks Letter from Sanjivani College	Acknowledged for delivering an expert talk that provided significant learning and career insights to students and faculty.	16-Oct-2024

3.2 Conferences, Seminars & Workshops (Attended)

Name	Event/Program	Date	Organizing Body/Location
Dr. S. K. Hadia	Webinar on "Block Chain"	31 December, 2024	Knowledge Consortium of Gujarat, Education Department, Government of Gujarat.
Prof. Rasik Makwana	Empowering innovation: Research Methodology and IPR	2, 3 December, 2024	Department of Civil, Fabtech Technical Campus, College of Engineering, Sangola.
Prof. Mridul S Seth	NGP-DST Summer School on Geospatial Technologies	3-5 October, 2024	National Institute of Hydrology, Roorkee.
Prof. Mahesh Panchal	ISTE FDP on Innovative AI and ML Approaches for Healthcare and Agriculture	29 September - 4 October, 2024	Prof Ram Meghe College of Engineering & Management, Badnera-Amravati.
Dr. Kaushik Gondaliya	Faculty Development Program on "Strengthening and Rehabilitation of RCC Elements for Sustainable Infrastructure"	25-29 November, 2024	Departments of Civil Engineering, R. H. Sapat College of Engineering, Nashik and UVCE, Bengaluru.
Prof. Deepak Upadhyay	Master Trainer Training in Digital Empowerment and Cyber Safety	11-12 December, 2024	Education Department, Government of Gujarat, in collaboration with UNICEF.

3.3 Conferences, Seminars & Workshops (Organized at GTU-SET)

1. Launch of the GTU PhD Thesis Management System (TMMS)

October 22, 2024

Prof. Seema Joshi delivered the webinar on GTU PhD Thesis Management System on 22nd October 2024 for the Ph.D. scholars of the University.

2. Technical and Expert Sessions on Standards and Research Tools

• BIS Technical Sessions

August 21, 2024 – Channakya Seminar Hall

Mr. Rakesh Kumar, Designation BIS invited to deliver the session on "Awareness of Standardization Practices on context of the cyber security and discussed significance of IS/ISO/IEC 27032:2023.

• Expert Session on LaTeX

December 17, 2024 – SET Academic Block 5

Prof. Raj Hakani led a comprehensive session on LaTeX, highlighting its indispensable role in academic writing, thesis preparation, and research documentation.



• Session on Indian Standards IS 1893 & IS 13920

October 16, 2024 – IOT Lab, GTU-SET

Mr. Aman Deep conducted a deep dive into essential structural engineering codes, stressing their role in ensuring safety, durability, and sustainability.

3. Expert Sessions Coordinated by Department of Civil (Structural Engineering)

• Applications of Mono Strand Unbonded Post-Tensioning System in Building Design

November 26, 2024 – Swami-Vivekanand Conference Room

The Department of Civil Engineering hosted a technical session on "Applications of Mono Strand Unbonded Post-Tensioning System in Building Design" in the Swami-Vivekanand Conference Room. The event featured Mr. Arun Sankhat, Director of Post Tension Services India Pvt. Ltd. (PTSI), who delivered an insightful presentation exploring post-tensioning principles and the benefits of mono strand unbonded systems. Mr. Sankhat covered material properties, structural efficiency, and essential design considerations relevant to this innovative technology. The session concluded with an interactive Q&A segment that effectively reinforced the synergy between theoretical knowledge and practical application, providing attendees with valuable insights into this important structural engineering technique.





• **Soil Investigation: The Cornerstone of Structural Engineering**

November 18, 2024 – Swami-Vivekanand Conference Room

- The Department of Civil Engineering organized a technical session on "Soil Investigation: The Cornerstone of Structural Engineering" on November 18, 2024, in the Swami-Vivekanand Conference Room. Dr. Bhoomi Kamdar, Senior Geotech engineer, led this informative presentation that examined critical aspects of soil profile analysis, bearing capacity evaluation, and essential

geotechnical testing methodologies. Throughout the session, Dr. Kamdar emphasized the fundamental importance of integrating field data with theoretical insights to achieve robust foundation design. Attendees gained valuable knowledge about how thorough soil investigation serves as the foundation for successful structural engineering projects, highlighting the critical relationship between geotechnical analysis and structural integrity.



3.4 Consultancy completed at GTU-SET

- The Department of Civil (Structural Engineering) has successfully delivered two significant consultancy projects. The first project, valued at INR 210,000, involved comprehensive structural detailing for the superstructure of the staff quarters at Swarnim Gujarat Sports University, focusing on the proof checking and structural design of key structural elements. The second project, worth INR 65,000, centered on a rigorous proof checking and design review for a building at Palej Itola, Western Railway, with an emphasis on reinforcement detailing of G+1 building.

4. Student Initiatives and Events

4.1 Student Achievements

Student Name	Course Title	Duration	Course Length	Internal Score	External Score	Overall Score
Kandarp Vimal Bhatt	Introduction to Programming in C	Jan–Mar 2024	8 weeks	25/25	53.25/75	78
Bansari Amitkumar Darji & Jaiswal Nandani Rajesh	Data Base Management System	Jul–Sep 2024	8 weeks	21.88/25	38.25/75	60
	Data Structure and Algorithms using Java	Jul–Oct 2024	12 weeks	23.85/25	36.5/75	60

5. SAPTAK Club & Other Student Clubs

5.1 Anti-Ragging Awareness Program (13th August 2024) held at Aryabhatta Seminar Hall, GTU-SET, this event featured informative sessions on anti-ragging measures, including a comprehensive introduction to anti-ragging by Prof. Rasik Makwana and an address by Prof. J. A. Amin. The program also showcased short films and documentaries related to the topic and involved the signing of anti-ragging undertakings by over 50 students, effectively raising awareness about the consequences of ragging and promoting a safe campus environment.

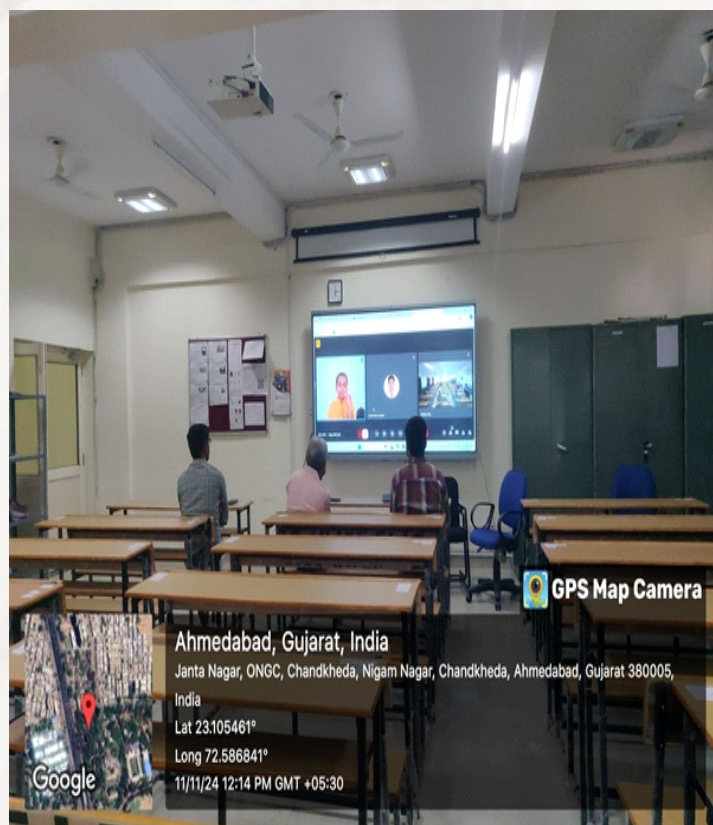


5.2 NEYP 2025 Elocution Competition (Saptak Environment Club)

- **Event Name:** National Environment Youth Parliament (NEYP) 2025 Elocution Competition
- **Date:** 11th November 2024
- **Brief Description:** Conducted online via Google Meet on the theme "Save Environment, Save Future." Students from Computer Engineering and Electronics & Communication participated, presenting their views on environmental sustainability. The event was judged by faculty experts, with selected students recommended for the next level at the University. Student recommended for the next level from the institute are Gaur Khushi Vinodkumar and MD Ali Ibna Tawsim.

Outcomes:

- Provided a platform for students to articulate and exchange ideas on environmental issues.
- Encouraged leadership and advocacy for sustainability practices on campus.
- Helped identify strong candidates for university-level competitions.



5.3 Janmashtami Celebration at GTU-SET: A Festive Extravaganza

The Janmashtami celebration at Gujarat Technological University - School of Engineering and Technology (GTU-SET) was a grand and spiritually enriching event, filled with devotion, cultural performances, and the much-awaited **Dahi Handi competition**. The campus was transformed into a divine space, resonating with the spirit of Lord Krishna's birth anniversary.

One of the most **highly anticipated events of the celebration** was the **Dahi Handi competition**, a thrilling test of teamwork, strength, and enthusiasm. A high-hanging earthen pot filled with curd and butter was set up in the central courtyard, symbolizing Krishna's childhood mischief.

- **Teams of students** participated in forming human pyramids to reach and break the handi.
- The crowd cheered with excitement as participants strategized and climbed higher, showcasing incredible coordination and spirit.
- After several attempts, the **team** successfully broke the handi, showering everyone with curd and sweets, symbolizing victory and joy.



6. Workshops, FDPs, and Training Programs attended by Faculties and Students

Name	Certificate Name	Date	Issuer
Prof. Mridul Seth	NNRMS Faculty Development Program on "RS & GIS Technology and Applications"	13/05/2024 to 05/07/2024	Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Government of India
Prof. Deepak Upadhyay	Cyber Security for Government Officials	20/08/2024 to 31/08/2024	NIELIT
	Industry Workshop on Product Security	21/09/2024	Computer Society of India, Kolkata Chapter
Sushilkumar Dangiya	AICTE Training and Learning (ATAL) Academy Faculty Development Program on 5G and Beyond Vehicular Communications	25/11/2024 to 30/11/2024	AICTE Training and Learning (A TAL) Academy, Pandit Deendayal Energy University
	A Vision for India to lead in Semiconductor R&D and Manufacturing (What, why and how?)	16/10/2024	GTU- Research and Development Cell.
	intellectual property rights: the foundation for strategic nation building	19/11/2024	GTU- Research and Development Cell.

Sushilkumar Dangiya	IP & technology transfer	22/11/2024	Ministry of education's innovation cell
	Stress Management and Work Life Balance Webinar	18/12/2024	Knowledge Consortium of Gujarat, Education Department, Government of Gujarat
	Introduction to Block Chain Foundation	27/11/2024	GTU-SET.
Komal Prajapati	Introduction to Block Chain Foundation	27/11/2024	GTU-SET.
	Block Chain Webinar	31/12/2024	Knowledge Consortium of Gujarat, Education Department, Government of Gujarat
	Bharat Tirth Lecture	11/10/2024	DHAROHAR School for Indian Knowledge System, GTU Campus Ahmedabad
Ritisha Viralkumar Bhatt	Introduction to Block Chain Foundation	27/11/2024	GTU-SET.
Savar Bajiya	Python 101 for Data Science	5/12/2024	Cognitive Class, IBM Developer Skills Network
Harshil Maru	Basic Course in Rock Climbing	16/11/2024 to 25/11/2024	Swami Vivekanand Mountaineering Institute Mount Abu, Government of Gujarat
Mahek Maru	Basic Course in Rock Climbing	16/11/2024 to 25/11/2024	
Khushi Bhatt	AICTE Training and Learning (ATAL) Academy Faculty Development Program on 5G and Beyond Vehicular Communications	25/11/2024 to 30/11/2024	AICTE Training and Learning (A TAL) Academy, Pandit Deendayal Energy University
Pavithra Mudaliar	AICTE Training and Learning (ATAL) Academy Faculty Development Program on 5G and Beyond Vehicular Communications	25/11/2024 to 30/11/2025	
Petrolino Grave do Espírito Santo	Introduction to Block Chain Foundation	27/11/2024	GTU-SET.
	IP & technology transfer	22/11/2024	Ministry of education's innovation cell
	intellectual property rights: the foundation for strategic nation building	19/11/2024	GTU- Research and Development Cell.
	Introduction to Block Chain Foundation	27/11/2024	GTU-SET.
Lineo Nketsetseng Makhakhe	intellectual property rights: the foundation for strategic nation building	19/11/2024	GTU- Research and Development Cell.
	IP & technology transfer	22/11/2024	Ministry of education's innovation cell
	Introduction to Microsoft Azure data engineering	30/11/2024	13x

7. Internship & Placement Cell, GTU - SET

Trusted By Top Companies

PROJMORS



CASMI
CONSULTANTS

BETA MARINE

MARUTI CONSULTANTS
STRUCTURAL DESIGNER - CIVIL CONSULTING

DUCON
CONSULTANTS PRIVATE LIMITED

BHOOMI
CONSULTANTS

RKG
MEP Consulting Engineering Services

MIDAS

TCS
TATA
CONSULTANCY
SERVICES

Silver Touch
TECHNOLOGIES

Blueinfy

eInfochips
An Arrow Company

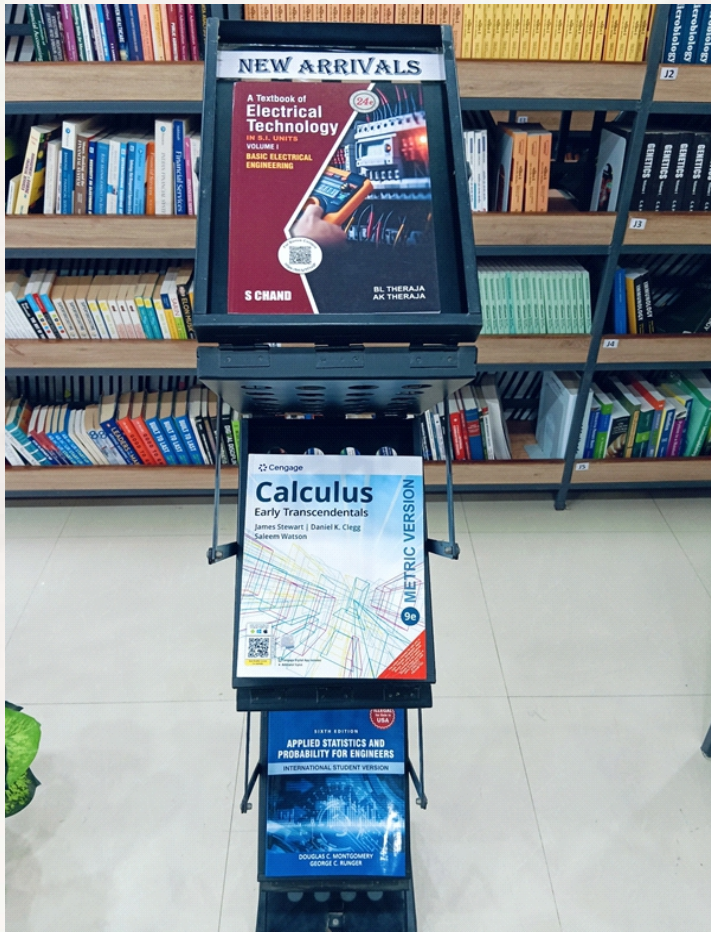
7.1 Placement Statistics:

The latest placement and internship statistics for postgraduate students at GTU-SET underscore our institution's ongoing commitment to fostering industry engagement and career development. The PG Artificial Intelligence & Data Science program continues to exhibit robust demand in the job market, with 37.5% of students successfully securing full-time positions and additional students actively participating in internships. The PG Internet of Things (IoT) program demonstrates exceptional industry collaboration, as 80% of students are currently engaged in internships, gaining practical experience that will enhance their employability. Meanwhile, the PG Civil (Structural Engineering)

program is making steady progress, with nearly half of the cohort benefiting from job placements or internships. To further support students in their career aspirations, the Training & Placement Cell has implemented several strategic initiatives, including industry-specific resume workshops, mock interview sessions, a forthcoming virtual job fair, and tailored technical interview preparation for AI/DS and IoT roles. Furthermore, site visits for Civil Engineering students are being arranged to provide real-world exposure and enhance their practical knowledge. These initiatives reflect the institution's unwavering dedication to equipping students with the necessary skills and opportunities to succeed in the evolving job market.

	PG AI & DS	PG IOT	PG Civil
Total	16	5	19
Placed	6	1	2
Currently Doing internship	1	4	7
Job hunting	9	4	10

8. Photo Gallery



New Lab Photographs



We are pleased to announce the recent acquisition of 80 units of Dell Intel Core i7 All-in-One PCs for our institute. These state-of-the-art desktop systems are aimed at enhancing computational efficiency and facilitating research, design, and academic pursuits.

System Specifications:

- Model: Dell OptiPlex 7410 AIO
- Processor: Intel Core i7-13700, 13th Generation
- Cores: 16
- Base Frequency: 2.1 Ghz
- Cache: 30 MB
- Graphics: Integrated Intel Graphics
- Display: 23.8-inch Full HD (1920x1080) IPS Panel
- RAM: 16GB DDR5, Expandable up to 64GB
- Storage: 512GB SSD
- Operating System: Windows 11 Professional (Pre-loaded)
- Connectivity: Wi-Fi 6E, Bluetooth 5.3, Gigabit Ethernet
- Ports: USB 2.0, USB 3.0, USB Type-C, Ethernet Port
- Accessories: Wired Keyboard and Optical Scroll Mouse

These systems will significantly enhance productivity for faculty members and students engaged in research, data analysis, and software development. With Intel's 13th Gen multi-core processors and DDR5 memory, users can expect improved performance for computational modeling, engineering simulations, and other high-processing applications. The procurement of these high-end desktop systems was facilitated by Gujarat Technological University (GTU), Ahmedabad as part of an infrastructure enhancement initiative. The computers have been successfully installed at the institute GTU-SET.

About GTU

Vision:

- To be a global university for the creation and dissemination of knowledge and Innovation in Science & Technology, Humanities and Multidisciplinary domains for sustainable development and enrichment of human life.

Mission:

- To develop centres of academic excellence at university premises and at affiliated colleges in domains of science, engineering, technology, management, and environment for imparting comprehensive education, training, and research infrastructure as per the nation's requirements.
- To build resources, facilities, proficiencies and other related infrastructure of global standard for the development of knowledge, skills, and competencies in the various educational domains.
- To develop research-oriented pedagogy for flourishing ideas and to nurture innovators, entrepreneurs and professionals of tomorrow
- To build and enhance collaborations with other academic, research, industry, and government organizations as well as NGOs across the globe so that education, training and research at university and its affiliated colleges become aligned with national and global level requirements.
- To encourage multidisciplinary research and develop flexible learning ecosystem.

About GTU - SET

Vision:

- To create an ecosystem in education and research that provides socially responsible, globally acceptable technocrats, innovators and entrepreneurs

Mission:

- To develop centres of academic excellence at university premises and at affiliated colleges in domains of science, engineering, technology, management, and environment for imparting comprehensive education, training, and research infrastructure as per the nation's requirements.
- To build resources, facilities, proficiencies and other related infrastructure of global standard for the development of knowledge, skills, and competencies in the various educational domains. To develop research-oriented pedagogy for flourishing ideas and to nurture innovators, entrepreneurs and professionals of tomorrow
- To build and enhance collaborations with other academic, research, industry, and government organizations as well as NGOs across the globe so that education, training and research at university and its affiliated colleges become aligned with national and global level requirements.
- To encourage multidisciplinary research and develop flexible learning ecosystem.

Why "KANASH"?

"Expressing a gratitude to the all stakeholders of GTU-SET"

K : Knowledge

A : Achievement

N : Nurturing

A : Acknowledgement

S : Sustainability

H : Happiness

News Letter Committee:

Prof. (Dr.) Jignesh A. Amin, Professor, GTU-SET, Chairperson

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Prof. Kaushik Gondaliya, Assistant Professor, GTU-SET, Editorial Board Member

(1) M.E. – Computer Engineering

(Cyber Security)

AICTE Approved

Duration: 02 Years

Intake: 30

Inception Year: 2017

(2) Post Graduate Diploma in Data Science

Duration: 01 Year

Intake: 30

Inception Year: 2020

(3) M.E. – Computer Engineering

(Internet of Things)

AICTE Approved

Duration: 02 Years

Intake: 18

Inception Year: 2021

(4) M.E. – Computer Engineering

(Artificial Intelligence and Data Science)

AICTE Approved

Duration: 02 Years

Intake: 18

Inception Year: 2022

(5) M.E. – Civil Engineering (Structural Engineering)

AICTE Approved

Duration: 02 Year

Intake: 18

Inception Year: 2022

(6) B.E. – Computer Engineering

Duration: 04 Years

Intake: 60

Inception Year: 2023

(7) B.E. – Electronics & Communication

Duration: 04 Years

Intake: 30

Inception Year: 2024

GUJARAT TECHNOLOGICAL UNIVERSITY
SCHOOL OF ENGINEERING AND TECHNOLOGY
(University Managed Engineering Department)

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