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**Gujarat
Technological
University**

INTERNATIONAL INNOVATIVE UNIVERSITY



A Quarterly Newsletter

Volume 12 Issue 1 | October-December 2025



*"Today we honour achievement;
tomorrow we trust responsibility."*

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Message from
THE VICE CHANCELLOR

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It is with a deep sense of pride and gratitude that I present this issue of *Sarthak*, reflecting the vibrant academic, research, innovation, and societal engagement activities of Gujarat Technological University during October–December 2025.

At the outset, I speak not only as the Vice-Chancellor, but as a member of the GTU family, in sharing our profound sense of loss at the passing of Dr. Akshai Aggarwal, the Founding Hon'ble Vice-Chancellor of Gujarat Technological University. As an institution, we acknowledge his enduring contribution to our academic direction and governance, which continues to guide GTU's journey.

GTU's role as a national innovation hub was reaffirmed through the successful hosting of the Smart India Hackathon 2025 Grand Finale in collaboration with SAC–ISRO, marking our eighth consecutive year as a host and showcasing student-led solutions in advanced technologies with strong participation from across the country. The international conference on *Frontiers of Engineering for Healthcare Applications*, supported by ANRF, further strengthened our global academic standing and interdisciplinary research culture.

The recognition of GTU with the *Pride of Nation Award 2025*, along with achievements such as the WAAH Award, multiple national and international MoUs, and expanding global engagements with delegations from Vietnam, Australia, and leading national institutions, underscores the University's growing impact in research, innovation, skill development, and internationalisation.

Our academic initiatives, faculty development programmes, student competitions, cultural festivals, entrepreneurship activities, and community outreach—ranging from the Viksit Bharat Yuva Connect to startup, women-innovation, and artisan empowerment programmes—reflect our commitment to holistic education, inclusive growth, and the vision of a self-reliant and developed India.

I commend the dedicated efforts of our students, faculty, officers, and staff for their unwavering contribution to excellence in teaching, research, innovation, and societal service throughout this calendar year. I am confident that GTU will continue to advance as a nationally and globally respected institution, shaping responsible professionals and knowledge leaders for the future.

Dr. Rajul K. Gajjar
Hon'ble Vice Chancellor
Gujarat Technological University, Ahmedabad

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8-12-2025 & 9-12-2025 Smart India Hackathon (SIH)



Gujarat Technological University successfully hosted the Smart India Hackathon (SIH) 2025 Software Edition Grand Finale on 8th & 9th December 2025 in collaboration with SAC-ISRO, marking its 8th consecutive year as a host institution. The event saw participation from 55 teams comprising 330 students from 18 states, working on 11 problem statements. The inauguration ceremony was graced by eminent dignitaries from the Government of Gujarat, GTU, SAC-ISRO, and AICTE. The Valedictory Ceremony was graced by Hon'ble Minister Smt. Rivaba Jadeja, along with senior leaders from academia and national space organizations. Students presented innovative solutions in AI-driven space technologies, sustainable systems, and biotechnology, earning appreciation from ISRO experts. With 33% female participation, SIH 2025 strongly emphasized inclusive innovation and concluded with prize distribution and recognition of outstanding teams and mentors.

16-12-2025 Pride of Nation Award - 2025



The Pride of Nation Award 2025 organized by Veterans India in collaboration with National Board of Accreditation and Association of Indian Universities on 16th December, 2025 on the occasion of Commemorate Vijay Diwas at NDMC, New Delhi. Gujarat Technological University has received Pride of Nation Awards 2025 for State Leadership Honour (University) Category and Best University of the Gujarat by Veterans India.

10-12-2025 to 12-12-2025 International Conference on Frontiers of Engineering for Healthcare Applications



An international conference on “Engineering in Healthcare” was successfully organized from 10th & 12th December 2025 at Gujarat Technological University (GTU) and IIT Gandhinagar, with financial support from ANRF under the PAIR scheme. The conference brought together eminent academicians, researchers, and experts from India and abroad, including speakers from the USA, Europe, and Japan. The inaugural session was graced by Dr. Krishna Rajan (USA), Dr. Rajul Gajjar, Hon'ble Vice-Chancellor, GTU, and keynote speaker Dr. Josephine Thinwa (University of Texas). The event featured 18 technical sessions, including expert talks from leading institutions such as IITs, NIPERs, and international universities. The valedictory ceremony was graced by Dr. N. M. Desai, Director, SAC-ISRO, along with senior academic leaders. With 70 expert speakers, 86 poster presentations, and active participation from researchers, the conference served as a vibrant platform for knowledge exchange and innovation in healthcare engineering.

16-12-2025 WAAH Awards 2025

Team NEWWAY (SAST, GTU) won the WAAH Award 2025 (Senior Laureate Category) by VASCSC for NEWWAY Fortmin-D, a portable, chemical-free, plant-based Vitamin-D fortification technology using mushrooms. Guided by Dr. Vaibhav Bhatt, the innovation has impacted 2500+ lives, engaged 110+ farmers/tribal communities, achieved FSSAI compliance and a design patent, reflecting GTU's contribution to public health, sustainability, and rural empowerment.

16-10-2025

ICMR–National Institute of Occupational Health NIOH



07-11-2025

Indian Institute of Technology Ropar



01-12-2025

Indo-German Tool Room IGTR



01-12-2025

Survey of India



04-12-2025

Infinity Infoway Ltd. (IIL) Rajkot



10-12-2025

Tata Community Initiative Trust



10-12-2025

Odoo



24-12-2025

North Eastern Hill University





Visit of the Vietnam Delegation

Dignitaries visited:

- Mr. Majo George, Dean, Faculty of Economics, University of Economics & Finance

Objective of Meeting: To collaborate with the University of Economics & Finance in advancing joint research, fostering internship programs, and driving initiatives in the FinTech and AI domains.



Visit of the Australian Delegation

Dignitaries visited:

- Ms. Kala Philip GAICD,
- Ms. Suchita Gokarn, Director, International Education India, Trade and International Investment NSW

Objective of Meeting: To offer internships and foster collaboration for the Australia-New Zealand 'Emergen' program, providing students with an opportunity to study abroad through the International Experience Program (IEP).



Objective of Meeting: To foster collaboration between Adani Cement and GTU aimed at enhancing skill development initiatives and providing internship and placement opportunities for GTU students.

Visit of Adani Cement Delegates

Dignitaries visited:

- Mr. Sandip Sethi, Head Transformation & Head Integration, CEO Office, Adani Cement
- Mr. Gaurav Saini, General Manager, Legal, Adani Cement
- Mr. Atri Dave, CEO Office, Adani Cement



Objective of Meeting: To collaborate in delivering research-related activities in the naval domain, as well as offering naval courses, PG Diploma programs, and Master's degree programs.

Visit of Indian Naval Ship (INS) Valsura Delegation

Dignitaries visited:

- Captain Aditya Thapliyal, Training Captain, INS Valsura
- Commander Sukhjeet Singh Hundal, Officer in-charge Training Design and evaluation Cell, INS Valsura

Visit of J. C. Bose University Delegation

A nine-member delegation from J.C. Bose University of Science and Technology, YMCA, Faridabad, led by Vice-Chancellor Prof. Rajive Kumar, visited Gujarat Technological University on 4th – 5th December 2025 with the objective of strengthening academic and administrative collaboration. The visit focused on understanding GTU's best practices in NEP 2020 implementation, digital governance, innovation ecosystem, R&D initiatives, and internationalisation. GTU leadership shared its achievements in digitisation, examination reforms, IQAC initiatives, and industry outreach, while also exploring J.C. Bose University's skill-based programmes. The delegation appreciated GTU's digital transformation and recognised it as a national benchmark.



06-10-2025 to 10-10-2025

FDP on Basics of AI, Cloud and Security for Multidisciplinary Applications



The Faculty Development Program on “Basics of AI, Cloud and Security for Multidisciplinary Applications” was organized by GTU-SET in collaboration with Microsoft Elevate at the GTU Chandkheda Campus from 6th to 10th October 2025. The program trained selected faculty members and research scholars through expert-led sessions on AI fundamentals, Azure cloud services, and modern cybersecurity practices. Hands-on labs and real-world demonstrations using advanced Microsoft tools enriched practical learning. The FDP effectively aligned academic perspectives with industry requirements, supporting GTU's vision of developing future-ready professionals.

20-11-2025 to 21-11-2025

Hands-On Workshop on Electrochemical Biosensor Technology



GTU–School of Applied Sciences and Technology (GTU-SAST) organized a Two-Day Hands-On Workshop on Electrochemical Biosensor Technology on 20–21 November 2025 in collaboration with IIT Gandhinagar and industry partners. The workshop offered expert lectures and intensive hands-on sessions on biosensor design, fabrication, and testing, attracting active participation from students, researchers, and faculty members. Renowned experts from academia and industry shared insights into electrochemical sensing and diagnostic applications. The programme successfully fostered experiential learning, interdisciplinary collaboration, and research-oriented skill development among participants.

Research - Excellence @GTU



101

Research
Publications



33

PhD Thesis
Defended

Events

01-10-2025: Viksit Bharat Yuva Connect Program

The NSS Cell organized the “Viksit Bharat Yuva Connect” program on 1st October 2025 under the Seva Pakhwada initiative to foster youth participation in nation-building. The program was graced by Mr. Nisarg Rathod, Youth Icon, Ministry of Youth Affairs & Sports, Government of India, His inspiring address highlighted the Five Pledges (Panch Pran) and Eleven Resolutions of the Hon'ble Prime Minister, motivating students to actively contribute towards achieving the vision of a developed India by 2047.



03-10-2025: Bhoomi Poojan Ceremony of Boys & Girls Hostel at GTU ITR

Stone has laid for the new Boys' and Girls' Hostel Building at the GTU-ITR campus, with a sanctioned cost of ₹15 crore by the Government of Gujarat. The GRIHA-certified green building, with a capacity of 150+ boys and 100+ girls, will be constructed using advanced technologies to promote energy efficiency and sustainability. The ceremony was graced by Hon'ble Cabinet Minister Shri Rushikeshbhai Patel who highlighted GTU-ITR's Centres of Excellence and reaffirmed the University's commitment to academic excellence, student welfare, and enhanced employment opportunities.



04-10-2025: A State level Fintech Olympiad

The First FinTech Olympiad in Gujarat was successfully organized by GTU - SMS in collaboration with the India FinTech Forum on 4th October, 2025, marking a significant step toward fostering financial technology awareness and innovation among students. The FinTech Olympiad witnessed active participation of over 270 students from more than 35 institutes and universities across Gujarat. The event featured a Regional Round, a panel discussion between rounds, and a post-lunch roundtable discussion with industry and academic experts. More than 20 distinguished leaders shared insights, and the top three performers were selected to represent Gujarat at the National-Level FinTech Olympiad.



06-10-2025 to 09-10-2025: 13th GTU Youth Festival “XITIJ 2025 – Ekatva”

The 13th GTU Youth Festival “XITIJ 2025 – Ekatva” was successfully organized from 6th to 9th October 2025 at the GTU Chandkheda Campus. The festival witnessed participation of over 1000 students, assistants, and managers from 59 institutions, featuring 27 cultural, literary, and performing arts events. The event celebrated creativity, cultural unity, and student engagement, fostering collaboration and artistic excellence across the University.





10-10-2025: Anusandhan 2025

'Anusandhan 2025' a state-level Summer Internship Project (SIP) competition, was organized on 10 October 2025 at Gujarat Technological University (GTU) with participation of 75 students presenting 59 projects from 17 institutes across Gujarat. Evaluated by eminent academicians and industry experts, the competition promoted experiential learning, research orientation, and professional development among students.



13-10-2025: Manak Mohatsav

GTU-SET organized 'Manak Mohatsav' to promote innovation, creativity, and scientific temperament among students. The event saw active participation of around 200 students from diverse disciplines through interactive activities and awareness sessions on standards and quality benchmarks. The programme enhanced students' understanding of innovation, research, and design thinking, contributing positively to the academic and innovation ecosystem of the University.



14-10-2025: Inter Zone Yogasana Tournament/Selection 2025-26

The Inter-Zone Yogasana Tournament/Selection was successfully organized on 14th October 2025 at the GTU Chandkheda Campus with enthusiastic participation of 68 students (28 boys and 40 girls) from 23 institutions. The event was conducted smoothly with effective coordination by GTU officials, promoting physical fitness and sports culture across the University.



14-10-2025: Sainik Welfare Fund Collection 2024-2025

In line with the NSS motto "Not Me, But You," Gujarat Technological University (GTU) collected ₹3,20,099 for the Sainik Welfare Fund through its NSS Cell and affiliated units, securing 3rd position in Ahmedabad District. GTU was felicitated with a trophy by the District Collector on 14th October 2025.



15-10-2025: Womennovators 2025: Female Labour Force Participation Rate Initiative

GTU Ventures, organized the FLFPR Event in collaboration with Womennovator as part of Dr. A.P.J. Abdul Kalam Jayanti celebrations and Vikas Saptah. The programme brought together women entrepreneurs, innovators, and academicians to promote inclusive innovation, leadership, and gender-responsive entrepreneurship. Eminent speakers from Womennovator and GTU culminating in the LFPR pledge to empower women in academics and entrepreneurship.

15-10-2025: Start-Up Utsav 2025

Start-Up 20 Utsav 25 was organized by GTU Ventures as a Pre-Diwali celebration on 15 October 2025. The event brought together innovators, startup founders, and members of the entrepreneurial ecosystem to promote networking, collaboration, and knowledge sharing. With a festive Diwali theme, the programme strengthened the startup culture at GTU while boosting morale and recognizing student innovators.



17-10-2025: Orientation Program for Diploma Engineering Students for GTU VY Phase XIII

The GTU Vishwakarma Yojana Section successfully conducted an Orientation Program for Phase XIII Diploma Engineering students, focusing on rural development and village-level infrastructure planning. Experts from GEC Patan and Survey of India guided students on technical skills, digital mapping, and practical project implementation.



28-10-2025: Snehmilan - 2025

Gujarat Technological University (GTU) organized a "Sneh Milan" program for its staff following the Diwali vacation. The event aimed to promote professional camaraderie, strengthen interpersonal relationships, and foster a collaborative and harmonious work environment among University employees.



30-10-2025: National Unity Oath Program

The National Unity Oath Program was organized on 30th October 2025 at GTU Chandkheda Campus to commemorate Sardar Vallabhbhai Patel's birth anniversary as "Rashtriya Ekta Diwas." The event, attended by 350 students, faculty, and staff, aimed to promote unity, integrity, and national security values within the University community.



04-11-2025: Collaboration with ICICI Foundation

GTU held a collaborative meeting with the ICICI Foundation to explore partnerships in skill development, entrepreneurship promotion, industry-linked training, and community development initiatives. Both teams discussed joint programs to enhance student employability, support GTU's innovation and startup ecosystem, and implement pilot projects across Gujarat. The meeting concluded with plans to draft a formal MoU and organize joint field visits for project assessment.





07-11-2025: Celebration of 150th Anniversary of 'Vande Mataram' and Swadeshi Pledge

GTU celebrated the 150th Anniversary of the National Song 'Vande Mataram' and observed the Swadeshi Pledge on 7th November 2025. The event, attended by over 310 teaching and non-teaching staff, saw dignitaries, including the Hon'ble Vice Chancellor and Registrar, lead the singing of the original song and the pledge, fostering patriotism and national pride within the University community.



08-11-2025: Artisan Graduation Ceremony 2025 & Kaarigar Tank

The Artisan Graduation Ceremony 2025, organized by GTU Ventures in collaboration with Kaarigar Clinic, celebrated the successful completion of the 90-Day Business Wellness Program, empowering 225 artisan-entrepreneurs and positively impacting over 65,000 rural artisans. The event featured Kaarigar Tank 2025, a pitching platform for artisans, and recognized 15 promising Proof of Concepts for potential SSIP funding. The initiative highlighted GTU's commitment to fostering rural innovation, entrepreneurship, and sustainable livelihoods through mentorship, incubation, and institutional collaboration.



10-11-2025: Navigating the Future: Innovation and Integrity in the Era of AI

The Gujarat Technological University (GTU), in collaboration with Turnitin, successfully organized the round table conference "Navigating the Future: Innovation and Integrity in the Era of AI" on 10th November 2025, bringing together academic leaders and experts from across Gujarat. A total of 38 participants attended the event, engaging in discussions on responsible AI use in academia, with a strong emphasis on ethical frameworks, academic integrity, and the preparedness of faculty and students in an evolving AI-driven landscape.

15-11-2025 - 18-11-2025: GTU Students' Visit to Ahmedabad International Book Festival

As part of National Library Week 2025, the GTU Central Library organized an educational visit to the Ahmedabad International Book Festival on 15th November, involving 130 students from the School of Management and School of Pharmacy. Additionally, on 18th November 2025, a special visit was arranged for 45+ students of the School of Applied Science, coinciding with the book launch of Dr. Kuldeep Luhana's "The Life Unscripted." Overall, the initiative engaged 175+ students from three GTU schools, promoting reading habits, literary interaction, and lifelong learning.



26-11-2025: Celebration of Constitution Day – Preamble to the Constitution of India

As part of India's Constitution Day on 26th November 2025, GTU Chandkheda Campus conducted a program where 200 faculty members, staff, and officials collectively read the Preamble of the Constitution. The initiative aimed to foster awareness of key constitutional values—justice, liberty, equality, and fraternity—and inspire participants to embody these principles in their daily and professional lives.



03-12-2025: Regional Seminar on 'Shifting the Lens – Working with and for Indigenous Research Methodologies'

GTU, in collaboration with the International Centre for Cultural Studies (ICCS), organized a Regional Seminar on "Shifting the Lens – Working with and for Indigenous Research Methodologies." The seminar brought together academicians and cultural scholars to deliberate on indigenous knowledge systems and culturally rooted research approaches. The inaugural session and keynote address by Dr. Yashwant Pathak (University of South Florida, USA) highlighted the global relevance of indigenous worldviews.



12-12-2025: Two-Day Training Program on Good Automated Laboratory Practices (GALP)

The GTU School of Pharmacy successfully organized a Two-Day Training Program on Good Automated Laboratory Practices (GALP) on 12–13 December 2025 at the GTU Gandhinagar Campus. The program featured 11 expert sessions and extensive hands-on training on advanced analytical instruments such as HPLC, LC–MS, GC–MS, NMR, and ICP–MS, focusing on automation, data integrity, validation, accreditation, and sustainability. With participation from 54 delegates from academia and industry, the program strengthened regulatory awareness, technical competence, and career readiness aligned with modern pharmaceutical laboratory practices.





16-12-2025: SPIC MACAY Program

A SPIC MACAY cultural program was successfully organized at Gujarat Technological University, Ahmedabad on 16 December 2025 at B-0 Hall. The event featured a Sitar recital by Pt. Vijay Kumar Sant ji, accompanied on Tabla by Shri Sapan Anjaria, offering an immersive experience of Indian classical music. The program was attended by faculty, students, and staff, and was widely appreciated for its aesthetic, cultural, and educational value, reinforcing GTU's commitment to holistic education and cultural enrichment.



18-12-2025: PhD Students Orientation Program Batch 2025-26

The PhD Students' Orientation Program (Batch 2025-26) was organized by GTU's Research & Development Cell on 18 December 2025 at the A-2 Conference Hall. The program familiarized new research scholars with Ph.D. rules, research ethics, and GTU's academic and digital research ecosystem, including INFLIBNET and library resources. Expert sessions emphasized structured, high-quality, multidisciplinary, and socially relevant research, equipping scholars with essential guidance and tools for a successful doctoral journey at GTU.

CHRIST POLYTECHNIC INSTITUTE RAJKOT

FDP on Mastering Performance and Productivity



The Faculty Development Program titled “*Mastering Performance and Productivity*”, conducted on November 3, 2025, focused on enhancing efficiency, time management, and optimal performance among faculty and students at Christ Polytechnic Institute. Led by Fr. Dr. Jomon Thommana, the session emphasized the effective use of time, the role of optimal stress, and scientifically grounded concepts such as the Yerkes–Dodson Law and flow state. The program highlighted that focused, time-bound work improves creativity and productivity more than extended preparation. Overall, it provided practical, research-backed strategies expected to positively influence teaching effectiveness and academic performance.

FDP on Rethinking Education: Focus on Positive Teaching Strategies

The two-day Faculty Development Program titled “*Rethinking Education: Focus on Positive Teaching Strategies*” was conducted on November 4–5, 2025 at Christ Polytechnic Institute. Led by Mr. Charles Moras, the program emphasized positive habits, empathetic teaching, and learner-centric classroom practices. It highlighted constructive discipline, positive reinforcement, and inclusive classroom management as alternatives to traditional punitive approaches. The FDP also stressed teacher well-being, collaboration, and lifelong learning as key drivers of institutional success and effective education.



SARDAR PATEL COLLEGE ENGINEERING

Expert Session on AI & ML



An expert session on *Artificial Intelligence and Machine Learning* was held on 22 September 2025, delivered by Dr. Pinal J. Patel. The session introduced students to core AI/ML concepts, data handling, model training, and real-life applications, effectively bridging theoretical knowledge with practical use cases and motivating learners to explore emerging technologies and advanced studies.

Two-Day ATAL (VAANI) Workshop on Advances in Manufacturing & Industry 4.0



A two-day ATAL (VAANI) sponsored workshop on “*Advances in Manufacturing & Industry 4.0*” was organized on 14–15 November 2025 by the Department of Mechanical Engineering, Sardar Vallabhbhai Patel Institute of Technology. Conducted in bilingual mode with emphasis on Gujarati, the workshop provided comprehensive exposure to modern manufacturing technologies, Industry 4.0 concepts, and practical demonstrations, significantly contributing to faculty upskilling, industry–academia collaboration, and regional-language-based technical education.

VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE

Inauguration of Chaitanya Kendra at VGEC

At Vishwakarma Government Engineering College, Chaitanya Kendra was inaugurated in the august presence of Shri Bipin Talati, IAS, Commissioner, Technical Education, Gujarat State, accompanied by an inspiring address on Man-dursati by noted mental wellness expert Shri Prashant Bhimani, who emphasized the initiative's focus on emotional resilience, stress management, and empathetic communication.



Mental Health Awareness Program



A *Mental Health Awareness Program* was held on 1st December 2025 under the Chaitanya Kendra initiative. Shri Vidit Sharma, Youth Ambassador (Government of Gujarat) and MTV Roadies fame, served as the keynote speaker and shared powerful insights on mental stability, emotional wellness, and a responsible youth lifestyle.

Photo Gallery



**Certificate of Appreciation
at the IIC Regional Meet 2025**



Global Leadership Award 2025



**GTU-ITR Bhoomi Poojan of Girls & Boys
Hostel on 03.10.2025**



**Graduation Ceremony Building self reliant
rural bharat on 08.11.2025**



**A comprehensive tribute honoring
Dr. Akshay Agarwal the Honorable
Former Vice Chancellor of GTU**



**International Conference on the theme
- Frontiers of Engineering for Healthcare Applications
on 10.12.2025 to 12.12.2025**



Smart India Hackathon (SIH) on 08.12.2025 to 09.12.2025.



Smart India Hackathon (SIH) on 08.12.2025 to 09.12.2025



GTU's platform to showcase

Strategic initiatives

Analytical insights

Resourceful solutions

Transformative achievements

Holistic development stories

Adaptive approaches

Knowledge-sharing efforts

across the academic community

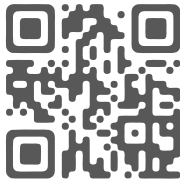
Share your inputs on: sarthak@gtu.edu.in



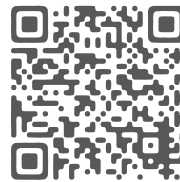
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