KANASH
Reflection of GTU-GSET Activities

📞 **+91 (079) 23267663**

✉️ **gtugset@gtu.edu.in**

🌐 **https://set.gtu.ac.in/**

Academic Block 5, GTU-Chandkheda Campus, Nr.Vishwakarma Government Engineering College, Nr.Visat Three Roads, Visat – Gandhinagar Highway, Chandkheda, Ahmedabad – 382424 – Gujarat.

CONTENT

GTU - GSET ACTIVITIES

Award/Recognition:

NAAC Awards GTU A+ Grade

In its maiden application for accreditation, the Gujarat Technological University (GTU) was awarded A+ Grade by the National Assessment and Accreditation Council (NAAC) on 14th February 2023, Tuesday.

The NAAC team visited the GTU during second week of February, 2023 (9th February – 11th February 2023) and inspected various facilities, infrastructure and academics for three days. After thorough evaluation, GTU was awarded 3.26 institutional CGPA and A+ Grade.

NAAC team was all praise about the efficient functioning of the GTU Innovation Council (GIC), active participation in start-up projects by the students and faculties and holding of seminars and workshops at various centres to keep students updated with latest skills and infrastructures in industries. Peer review report shared by the NAAC team listed out strengths, weaknesses, opportunities and challenges for the varsity at the end of inspection.

The team has praised the varsity's infrastructure and academic ambience, adequate and well-qualified and committed teaching staff, inclusive environment, Indian Knowledge System and Innovation Centre. On the other hand, the committee also listed out the university's weaknesses as well as few areas where it can improve upon. This is topped by requirement for adequate experienced faculty members, inactive alumni association despite being registered, non-availability of trained manpower/coach for sports facility, need to improve placements, inadequate transport facility for students and inadequate on-campus residential facilities for students.

Highlighting opportunities for the GTU in the upcoming time, the peer review has listed out possibilities of exploring opening of new UG programmes in advance areas, strengthening infrastructure to harness potential of extra curricular sports activities and augmentation of external research grants, etc.

Value Added Course-Cyber Security Certification Course

GTU-GSET has started the Value Added Course- Cyber Security Certification course on 22nd January 2023 and done a consultancy by generating the revenue of Rs. 1,34,500/. Total of 11 students have registered for 1st batch. The duration of the course is from 22nd January

2023 to 26th February 2023. In this course, participants were from different domains like art, commerce, engineering etc. The coordinator of this course is **Prof. Deepak Upadhyay** (Assistant Professor).

12-week Cyber Security Internship @GTU-Graduate School of Engineering and Technology

GTU-GSET has taken an initiative to give free of cost 12 week (From 20th February 2023 to 10th May 2023) cyber security internship at its premise with full access of resources such as hardware's and software's. More than 350 students have registered and 10 students have been selected for the internship after the written exam. The coordinator of this internship is **Prof. Deepak Upadhyay** (Assistant Professor), GTU-GSET.

12-Week Internship Program on "AI, IoT and ERP" and "Industrial Automation"

In alignment with the Government of India's Skill India and Digital India missions, the Gujarat Technological University has collaborated with Edunet Foundation, and Bosch Rexroth to set up and run a Centre of Excellence on Emerging Technologies at the GTU campus, Ahmedabad.

Under this program, GTU invites applications from engineering students from Semester-8 (currently appeared for their Semester-7 University Exams) for joining the Code Unnati program and Industrial Automation to be run by industry experts at the Code Unnati and Bosch Automation COE. The

students will get practical hands-on training on emerging technologies comprising of Artificial Intelligence/Machine Learning, the Internet of Things, SAP ERP and Automation. As a part of the program, the students will have to compulsorily work on capstone project work and complete the same during the stipulated training duration of about 12 weeks (From 20th February 2023 to 10th May 2023) . The Coordinators of this internship are **Prof. Margam Suthar (Assistant Professor)**, and **Mr. Jeet Joshi** (Skill Coordinator).

Various Technical and Non-technical workshops, seminars, training and faculty development programs have been organized by GTU - Graduate School of Engineering and Technology during January' 2023 to March' 2023. Some of these programs include:

FDP/STTP/Training program organized:

(1) Gujarat Technological GTU-Graduate School of Engineering and Technology organized three days Industry supported national workshop on "**Implementation of Internet of Things Application using Machine Learning and Deep Learning**" during 2nd – 4th March, 2023. This workshop has been **jointly sponsored by GTU- Graduate School of Engineering and Technology and INFITRON Advanced System Pvt. Ltd., Ahmedabad**. GSET has received Rs. 1,00,000/- financial assistance from INFITRON Advanced System Pvt. Ltd., Ahmedabad. The coordinators of the event **are Prof. Gautam Makwana** (Associat Professor) **and Prof. Rutika Ghariya** (Assistant Professor). The objectives of the workshop are: (1) to explore requirement of defence system in India, (2) to help the participants to understand the key concepts and advanced understanding on

development of defence system, (3) to motivate the participants to involve in design and development of various RF technologies used in defence systems, (4) to explore various research opportunities and challenges in the field RF and defence resources required in India. 58 participants across India participated in the workshop. The participants were the industrialists, faculty members, research scholars, and PG/UG students form the reputed firms/organisations. In this workshop, various renowned experts from Paras Defence and Space Technologies, Bengaluru, INFITRON Advance System Pvt. Ltd., Ahmedabad, Institute of Plasma Research, Gandhinagar, Electronics and Mechanical Engineering (EME) School, under Ministry of Defence, Govt. of India, Vadodara, Terna Engineering College, Navi Mumbai, Satellite Communication Technology Division, SAC, Ahmedabad, Entuple Technologies Pvt. Ltd., Ahmedabad, Green IP Core, Ahmedabad are invited to discuss and explore various Next Generation Defence Systems developed for the Nation. The participants were able to identify various challenges, opportunities, research problems, and indigenous solutions in theme of Workshop.

(2) GTU organized an "Innovation Marathon" in collaboration with the Edunet foundation and SAP, India. In this marathon, 400 teams applied to participate with their innovative ideas. After the first

round 120 teams qualified for the second round. At last, 25 teams were selected for the final round at GTU on 28th March 2023. In this Marathon event, **Dr. Pankajray Patel**, Hon. (I/C) Vice-chancellor GTU, **Prof. (Dr.) S. D. Panchal**, Director, GTU-GSET, **Ms. Shivani Sinha**, from SAP, and **Mr. Vaibhav Ostwal**, Director-Edunet foundation remain present for the final round of the marathon. Among these 25 teams and 120+ students, three teams were declared as a winner and they were awarded by the GTU, Edunet Foundation, and SAP, India. The coordinators of this marathon are **Prof. Margam Suthar**(Assistant Professor) and **Mr. Jeet Joshi** (Skill Coordinator).

Expert sessions organized:

Every month, the institute hosts webinars and in-person expert talks in various fields for first-year students of the M.E. (Cyber Security), M.E. (Structural Engineering), M.E. AI and Data Science, M.E. (IOT), and PG diploma in Data Science programs. The talks' objectives are to raise awareness of research

opportunities and initiatives in the programs' developing fields, to investigate cutting-edge technological advancements, and to familiarize students with current market demands. Some glimpse of such activities:

(1) Mr. Jaideep Kotak,
Security Researcher, Ben-Gurion University, Israel

has been invited to deliver an online expert session on **"Investigate AI-based Cyber Security Research"** on 11th March 2023. This session was organized for the students of the M.E. (Cyber Security) as a part of the research talk with the goal of educating students about the various test cases and research challenges of AI-based cyber security research. The objective of this research talk was to explore the knowledge of cyber security research with AI. The session was coordinated by **Prof. Seema Joshi** (Assistant Professor, GTU-GSET) and around 27 students have attended the session.
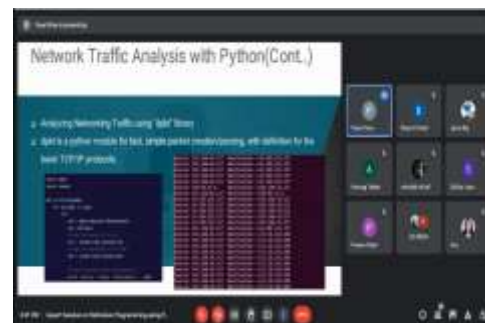

3

(2) Mr. Meet Bhatt,
Data Analyst, Grras solution

has been invited to deliver an online expert session on **"Business Intelligence Solution with Power BI"** on 24th March 2023. This session was organized for the students of the ME-AIDS and PG-Diploma in Data science 2nd semester students with the goal of educating students about the basic concepts of Power BI following hands-on sessions on DataMart and Data Charts. The objective of this session was to enrich provided data with new calculated columns and measures (using Power BI's built-in formula language called Data Analysis Expressions or DAX). The session was coordinated by **Ms. Aanal Raval** and **Ms. Arpita Maheriya.**

(3) Ms. Payal Viras,
Associate Cyber Security Analyst, Nuance Communication, a Microsoft Company (Alumni, GTU-GSET)

has been invited to deliver an online Expert Session on **"Defensive Programming using Python"** on 2nd January 2023. The session was organized for the students of the M.E. (Cyber Security) program with an objective of skill enhancement in Defensive Programming using Python with hands-on practices. The session was coordinated by **Prof. Seema Joshi** (Assistant Professor, GTU-GSET) and around 28 students have attended the session.

Mr. Shishir Kumar, Regional Manager, SOFiSTiK AG **and**
Mr. Sujit Matale, Regional Technical Head, SOFiSTiK AG

have been invited to deliver an Expert Session on **"Analysis and Design of High Rise building and Bridges using SOFiSTiK software"** on 27th March 2023. The session was organized for the students of the M.E. Civil (Structural Engineering) program with an objective to aware the students about the importance of software in the field of structure engineering with hands-on practices on Design of High Rise structure and Design of Bridge structure using SOFiSTiK. The session was coordinated by **Prof. Apurva Dave** (Assistant Professor, GTU-GSET) and around 22 students have attended the session.

GTU-GSET FACULTY/STAFF ACTIVITIES

Numbers of academic prominence, prestige, renowned fellowships, research grants, associateships, specified lectureships, desired awards and medals have been granted on faculties in recognition of their academic and social achievements, during the last 3 months. Faculty members have contributed as a resource person in number of expert talks and workshops. Some of the distinctions include:

Faculty members as Resource Persons:
Prof. S. D. Panchal,
Professor, GTU-GSET

(1) Delivered an online session on "Awareness on Academic Bank Credit" at GTU Campus, Ahmedabad on 6th February 2023.
(2) Delivered an expert session on "CO-PO Mapping" at GTU campus, Ahmedabad on 30th January 2023.
(3) Invited as an expert to deliver session in National Workshop on Outcome based Education, organized by AKS University, Satna, MadhyaPradesh on 3rd March 2023.

Prof. Gautam D. Makwana,
Associate Professor, GTU-GSET

(1) Invited as an expert to deliver session on "Investigation, Analysis of Multiband Array Antennas for 5G Mobile Handset in IoT Application" at STI Ecosystem for Societal Development Application, organized by Gujarat Council on Science and Technology (GUJCOST), Gandhinagar at Science City, Ahmedabad on 5th January 2023 and 6th January 2023.
(2) Delivered session on "Low Profile and multiband antennas in Defence System" in Industry Sponsored National Workshop on "Opportunities in Radio Frequency Development of Next Generation Defence Systems for the Nation" jointly organized by GTU-GSET and INFITRON Advanced System Pvt. Ltd., Ahmedabad during 2nd March 2023 to 4th March 2023.
(3) Delivered expert talk on "Opportunities of IoT Solutions" for Interns of the Gujarat Technological University on 17th March 2023.

Prof. Deepak Upadhyay,
Assistant Professor, GTU-GSET

(1) Delivered an expert session for Rajasthan Police officers at Rajasthan Police Academy on the topic "Digital Resilience-Network Security" on 16th January 2023.
(2) Delivered an expert session for Judges, Public Prosecutors and Rajasthan Police officers at Rajasthan Police Academy on the topic " Handling Cyber Crime cases: Investigation SOP's and Email Investigation (Hands on Session)"on 18th February 2023.
(3) Invited as an expert to deliver a session on " Cyber Crime Investigation Tools and Techniques" in Two Days Training to Jammu and Kashmir Police Officers, CID Headquarters, Srinagar on 14th March 2023.

Technical & Non-Technical Contribution:

Faculty members of GTU – GSET have participated in more than 25 technical seminars/workshops/FDPs/STTPs. They have contributed in various technical and non-technical activities. Some of the distinctions include:

Prof. G. D. Makwana,
Associate professor, GTU-GSET

(1) Nominated by Hon'ble Vice Chancellor, GTU to attend Consultation/discussion meeting regarding skilling initiatives under Gujarat Electronics Policy Department of Science and Technology, Gandhinagar under chairmanship of Mr. Videh Khare, IAS (Mission Director-GSEM) on 23rd February 2023.
(2) Visited System Level Solutions Pvt. Ltd., V. V. Nagar, Anand (as a part of industrial visit) for purpose of measurement, Consultancy project, internship and placement on 16th January 2023.

(3) As a Principal Investigator of GUJCOST Research Project, attended STI Ecosystem for Societal Development Application program organized by Gujarat Council on Science and Technology (GUJCOST), Gandhinagar at Science City, Ahmedabad

Prof. P. S. Mann,
Associate professor, GTU-GSET

(1) Acted as an Expert panel member for Startup Srujan Seed Support (S4) grants, an initiative of i-Hub, a Government of Gujarat enterprise on 22nd February 2023.
(2) Acted as an Expert Evaluator in "Innovation Marathon" organized by the GTU-Center of Excellence in Emerging Technology with the collaboration of the SAP and Edunet foundation on 28th March 2023.

Prof. Apurva Dave,
Assistant Professor, GTU-GSET

Completed a consultancy work of Rs. 5,000 on **"Structural Analysis and RCC Structure Design of residential building"** (Type of Consultancy: Knowledge based service) during March 2023.

Prof. Seema Joshi,
Assistant Professor, GTU-GSET

Successfully completed 08 courses and achieved IBM Cyber Security Analyst Professional Certification on 21st February 2023 from IBM Security Learning Services.

Prof. Soniya Jain,
Assistant Professor, GTU-GSET

(1) Completed online non-credit course on "Supervised Machine Learning: Regression and Classification" offered by Stanford University through Coursera during 11th July 2022 to 4th January 2023.
(2) Completed online non-credit course on "Advanced Learning Algorithms" offered by Stanford University through Coursera during 11th September 2022 to 17th January 2023.
(3) Completed online non-credit course on "Unsupervised Learning, Recommenders, Reinforcement Learning" offered by Stanford University through Coursera during 11th November 2022 to 23rd January 2023.
(4) Completed online non-credit course on "Machine Learning" offered by Stanford University through Coursera during 11th July 2022 to 23rd January 2023.

Prof. Margam Suthar,
Assistant Professor, GTU-GSET

Under the MOU between the Gujarat Technological University and Edunet foundation, the "Code Unnati Center of Excellence" is going to be establish at GTU Campus. As per the MOU, Edunet foundation will sponsor approx. 20 lac lab equipment to establish the COE and support to run the training program under the centre.

Prof. Mridul Seth,
Assistant Professor, GTU-GSET

(1) Worked as a committee member in Scrutiny Committee Meeting held at Udyog Bhavan Gandhinagar under Udyog Niti - 2015 & 2020 for Common Environment Infrastructure Scheme on 9th January 2023 and 10th January 2023.

(2) Visited Bentley Systems, Pune on 22nd March 2023. Bentley Systems is globaly recognized organization in the field of software developer for the infrastructure's utilities development such as Water Distribution Network, AutoPipe, Road Network, Structural Analysis, etc. During the visit, a meeting held with **Mr. Arun Kumar**, Global Manager Bentley Education & **MR. Sudipto**, Director Bentley Education.

GTU-GSET STUDENT ACTIVITIES

Student Club activities:

To nurture and explore various hidden talents & skills of the students, the Institute has established seven clubs (SAPTAK) in technical and non-technical domains. Each club has its own objectives and guidelines. The clubs are handled by the students and organize activities during a semester. Some activities during last quarters are:

Techfest-Sports-Cultural Club:

The National Youth Day was celebrated on January 12th with great enthusiasm and excitement by young people across the country. This year in GTU-GSET Sports Techfest and Cultural Club organised an Event "સમર્પણ" on 09th of Januray 2023. Ms. Shaily Vaghela has been invited to share thoughts on Swami Vivekananda's Life and the important lesson which should be adopted by the Young youth. The competitions like Painting, Essay/Blog/Poem, Art & Craft, Sharing of Thoughts competition were arranged.

The winners of these competitions are as follows:
Painting: Bhavini Parmar (Student, Cyber Security, Batch: 2022-23)
Essay/Blog/Poem: Komal Prajapati (Assistant Professor, GTU-GSET)
Art & Craft: Bhalala Ronak (Student, Cyber Security, Batch: 2022-23)
Sharing of Thoughts: Bhalala Ronak (Student, Cyber Security, Batch: 2022-23)

Structural and Environment Club

Structural and Environment Club has organized an activity on Group Discussion cum debate competition on various technical topics. Event was initiated by the launch of S.E. Club logo by Director, GSET on 2nd January 2023.

Student Placement:

Mr. Kachhadiya Kishan Kishorbhai, M.E. - CE (Internet of Things) batch - 2021- 23, has been selected as a Senior Executive - Software Engineer at Alight Consultant pvt Ltd, Ahmedabad.

Ms. Lalwani Ashima Haresh and **Ms. Shilpaben Sodvadiya** M.E. - CE (Cyber Security) batch - 2021-23, have been selected as a Trainee/Intern Cyber Security Analyst at Infopercept Consulting Private Limited.

Ms. Patel Bhumi Mukeshbhai, M.E. - CE (Cyber Security) batch - 2021- 23, has been selected as a lecturer at Silver Oak University, Ahmedabad.

Ms. Rajput Vidhi Gorakhnath, M.E. - CE (Cyber Security) batch - 2021- 23, has been selected as a Security Operations Analyst (SOC) at Infopercept Consulting Private Limited.

Ms. Bhavsar Krishani Ajitkumar, Mr. Sathwara Brijeshkumar Yogeshbhai, and Ms. Prajapati Riddhi Bhaveshkumar M.E. - CE (Cyber Security) batch - 2021- 23, have been selected as an Associate Engineer (Grade 8) at eInfochips, Ahmedabad

Ms. Rathava Pritiben Janakbhai, M.E. - CE (Cyber Security) batch - 2021- 23, has been selected as a Trainee - Applications Security Consultant at BlueInfy Solutions Pvt. Ltd., Ahmedabad.

Student Achievements:

Mr. Bhargav Bharvad,
(Student, semester-3, Cyber Security, GTU-GSET) has been selected to represent Gujarat Technological University Cricket Team Men in the All India Inter University Tournament from 01/02/2023 to 10/02/2023.

Student Activities:

Students of GTU-GSET have contributed in various technical and non-technical activities, attended number of events and completed various technical course during last three months. Some of the distinctions include:

Sr. No.	Student Name	Branch	Activity Detail
1	Yamin A. Devgadhwala & Fardin S. Khatib	Semester-2, Structural Engineering- Batch 2022-24	Completed "Introduction to MATLAB programming" course provided by Vanderbilt University on COURSERA
2	Yamin A. Devgadhwala, & Mehta Chirag Ajay	Semester-2, Structural Engineering- Batch 2022-24	Completed online internship program of "Design and Analysis of structure in STAAD.Pro" provided by INTERNSHALA
3	Yamin A. Devgadhwala	Semester-2, Structural Engineering- Batch 2022-24	Completed online course of "Modeling, Design and Analysis of structure in STAAD.Pro" provided by Bentley Education
4	Fardin S. Khatib	Semester-2, Structural Engineering- Batch 2022-24	Completed online course of "Design Analysis Of RCC Structures" from Bentley education portal.
5	Pranav Patel	Semester-2, Cyber Security-2022-24	● Completed Codered Certificate of "Open Source Intelligence using a Windows Host" ● Completed Codered Certificate of "Introduction to Dark Web, Anonymity, and Cryptocurrency"
6	Mistri Parth Rajeshkumar	Semester-2, Cyber Security-2022-24	● Completed Codered Certificate of "Master wireshark 3 in 5 days" ● Completed Codered Certificate of "SQL Injection Attacks"

7	Bhalala Ronakbhai Bharatbhai	Semester-2, Cyber Security-2022-24	• Completed online course on "AWS Academy Cloud Foundations" • Secured first rank in Art & Craft and Sharing of thougts in the event named "Samarpan – Celebration of Swami Vivekananda's Birth Anniversary" organized by GTU-GSET Techfest-Sports and Cultural club.
8	Shami Rana Shah & Saurabh Naval Tiwari	Semester-2, PGDDS-Batch 2022-23	Won 1st Prize in State Level Quiz Competition & 2nd Prize in State Level Debate Competition called Narayani held by NSS VGEC
9	Saurabh Naval Tiwari	Semester-2, PGDDS-Batch 2022-23	Completed a course on Blockchain Basics by Great Learning

Students of GTU-GSET have attended different events/workshops/conferences/seminars on "Personality Development & Employability Skills", "Master Class on Paper -11 for PAE held at Gujarat Technical University by GTU - IPFC", "convergence india expo and iot expo & smart city expo at pragati maidan new delhi", "Opportunities in Radio Frequency Development of Next Generation Defence Systems for the Nation" etc.

Exhibition @ SAMARPAN

RESEARCH CONTRIBUTION

Research is the parameter which connects academia with industry and strengthens the post graduate institute in actual means. The faculties and students of GTU-GSET have published and presented research papers/articles in reputed journals and conferences respectively. The faculties have reviewed research papers/articles for various journals and conferences.

Research paper Published/reviewed:

Prof. S. D. Panchal,
Professor, GTU-GSET

(1) Published research paper titled "An Overview of Text Translation and Text Simplification Tasks" in International Journal of Intelligent Systems and Applications in Engineering, as a corresponding Author with Dhawal Khem on 2nd February 2023.
(2) Published research paper titled "Text Simplification Improves Text Translation from Gujarati Regional Language to English: An Experimental Study" in International Journal of Intelligent Systems and Applications in Engineering, as a corresponding Author with Dhawal Khem on 22nd January 2023.

Prof. J. A. Amin,
Professor, GTU-GSET

(1) Reviewed manuscript titled **"Aeroelastic Real-Time Hybrid Simulation (aeroRTHS). I: Validation"** for journal of Engineering Mechanics (ASCE) during 2nd January 2023 to 24th February 2023.

Prof. P. S. Mann,
Associate Professor, GTU-GSET

(1) Reviewed manuscript titled **"A new hybrid genetic algorithm with tabu search forsolving the temporal coverage problem using rotating directional sensors"**, The Journal of Supercomputing, Springer Nature (SCIE, IF 2.557) during January 2023.
(2) Reviewed manuscript titled **"Adaptive Smart Radio Environment (ASRE): New Paradigm for Wireless Communication Networks"**, IEEE Communications Magazine (SCIE, IF 9.03) during February 2023.

(3) Worked as a National Advisory Committee Member & Reviewer in 2nd International Conference on Data Science and Intelligent Applications (ICDSIA-2023) during 9th February 2023 to 15th February 2023.
(4) Reviewed manuscript titled **"Reduction of High Dimensional Commensurate Fractional Interval System via Artificial Bee Colony Optimization Algorithm,"** Indonesian Journal of Electrical Engineering and Informatics (IJEEI). (SCOPUS Indexed) during February 2023.
(5) Reviewed manuscript titled **"Energy Efficient Routing Using Adaptive Elephant Herding Optimization for IoT-WSN, Cybernetics and Systems"**, Taylor & Francis. IF 1.859 during March 2023.

(6) Reviewed manuscript titled "Optimal clustering algorithm for wireless sensor networks using combined turbid ant swarm and improved myopic algorithm for maximizing life of sensors", Soft Computing, Springer. IF 3.732 during March 2023.

Prof. G. D. Makwana,
Associate Professor, GTU-GSET

(1) Filed Indian Design Patent on "Multiband Antenna" with Prof. Shailesh D. Panchal (Application No. 377174-001) in January 2023.

(2) Granted Industrial Design Patent on "Multiband Antenna" with Ms. Ritisha V. Bhatt and Mr. Devendra H. Patel (Application No. 3370713-001, CBR: 205877) in January 2023.

(3) Filed Indian Design Patent on "Multiband Antenna" with Mr. Devendra H. Patel (Application No. 379247-001) in February 2023

(4) Submitted research paper on "Triple-band antenna for GPS, Sub-6 GHz 5G and WLAN Wireless Applications" WAMS - 2023 - Wireless Antenna & Microwave Symposium (IEEE Explore)

(5) Served as Reviewer for three papers in 2nd International Conference on Data Science and Intelligent Applications (ICDSIA-2023) in February 2023.

(6) Published research paper titled **"Multiband Antenna for 2G/3G/4G and Sub-6 GHz 5G Applications Using Characteristic Mode Analysis"** in Progress in Electromagnetics Research Journal, vol. 115. The Electromagnetics Academy, pp. 107–117, 2023. doi: 10.2528/pierm22122901. (ESCI, Scopus Indexed) as a corresponding Author with Mr. Devendra H. Patel on 22nd February 2023.

(7) Submitted research paper on "Multiband Antenna for GPS, IRNSS, Sub-6 GHz 5G and WLAN Applications" in Progress in Electromagnetics Research. (Scopus Indexed)

(8) Invited to review two research papers titled (1) Minimizing Energy with High Speed WDM Optical Grid Networks, (2) Performance analysis of PV panel under partial shading condition by Multidisciplinary International Research Journal of GTU during March 2023.

(9) Invited as a reviewer for the GUJCOST Sponsored Project at DA-IICT, Gandhinagar by Prof. Rutu Parekh, and Associate Professor on 16th March 2023.

(10) Published an article on "IoT Based Smart Load Control Energy Efficient System Using Dynamic Tariff" has been shortlisted in NASSCOM CoE - Smart Manufacturing Research Conclave - 2nd Edition with Ms. Roshni Parmar (Pass out student of M.E. - EC (MCNT) on 15th March 2023.

Mrs. Dhwani Hakani, PhD Scholar, GTU-GSET &
Prof. P. S. Mann, Associate Professor, GTU-GSET

Published research paper on **"A Comprehensive Survey on Cloud Security Mechanisms,"** in 2022 International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2022, pp. 471-475, doi: 10.1109/ICACRS55517.2022.10028990 on 1st January 2023.

NEW ARRIVALS

LIBRARY NEW ARRIVALS:

Student/Professor's Blog:

Prof. Komal D. Prajapati,
Assistant Professor, GTU-GSET

कलकत्ता से कलकत्ता तक - स्वामी विवेकानंद जी

https://shorturl.at/adoM3

क्या सुनाऊ उनके विषय में,
भारत के जो थे सही में..

कुछ यूँ थी उनकी परिभाषा,
की पढ़ते लोग उन्हें भारत को जानने..

जीवन कुछ उनका खुद एक प्रेरणा,
अनुभूति करवाएं जो गर्व की सदा..

लक्ष्य पर जिनका केंद्रित ध्यान,
करते जो नारी का सम्मान..

कुशाग्र बुद्धि व् जिज्ञासु,
ईश्वर की अभिलाषा लुभाये..

प्रभु की खोज में निकले जो,
साक्षात्कार कर माँ काली का यूँ..

मिले उत्तर सारे प्रश्नो के,
हुई जब भेट श्री रामकृष्ण से..

बने संन्यासी पहने गेरुआ,
पैदल की भारत की यात्रा..

किया कुछ ऐसा संबोधन,
गूंज उठा वो धर्म परिषद्..

उन्तालीस वर्ष का वो समय,
दे गया भारत को रत्न..

जीवन अपना जीये ऐसे,
सब कुछ देश को दे जैसे..

खुशनसीब हम जाने उन्हें,
गौरव भारत का पहचाने उन्हें..

Mr. Ronak Bhalala,
Student ME – CE (Cyber Security)

Youth Day: યુવાનો માટે સ્વામી વિવેકાનંદ કહી છે આ વાતો...

આજે આખા વિશ્વમાં 12 ઓગસ્ટ એક વિશ્વ યુવા દિવસના રૂપમાં ઉજવવામાં આવે છે. જેનું આયોજન સૌથી પહેલા ઇ.સ 2000માં કરવામાં આવ્યું હતું. સંયુક્ત રાષ્ટ્ર સંઘના નિર્ણયાનુસાર ઇ.સ 1985 ના રોજ આંતરરાષ્ટ્રીય યુવા વર્ષ જાહેર કરવામાં આવ્યું હતું.

આપણે સૌ જાણીએ છીએ કે આપણા દેશની સફળતા આપણા આજના યુવાનોના હાથોમાં છે. આજના દિવસથી વધારે શું હોઇ શકે છે કે આપણે આપણા યુવાધનને સ્વામી વિવેકાનંદના વિચારો પર ચાલવા પર પ્રોત્સાહિત કરી શકીએ.

દરેક યુવાનને ખબર હોવી જોઇએ કે સ્વામીજીને યુવાનો પાસે ઘણી આશાઓ હતી. તેમણે યુવાનોને ધૈર્ય, વ્યવહારોમાં શુદ્ધતા રાખવા, અંદરો અંદર નહીં લડવા, પક્ષપાત નહીં કરવા અને હંમેશા સંઘર્ષ કરવાનો સંદેશ આપ્યો. તો મિત્રો આપને જીવનમાં આગળ વધવું હોય અને આ દેશનું નામ રોશન કરવું હોય તો, સ્વામીજીના આ વિચારોને સદાને માટે પોતાના હૃદયમાં અંકિત કરી લો...

કોઇ વાતથી ના ડરો : કોઇ વાતથી ડરવું જોઇએ નહીં. આપ અદ્ભૂત કાર્ય કરશો. જે ક્ષણ આપ ભયભીત થઇ જશો, તે જ ક્ષણે આપ બિલકુલ શક્તિહીન થઇ જશો.

ટાળો નહીં, શોધો નહીં : ભગવાન તેમની ઇચ્છા અનુસાર જે કંઇ પણ મોકલે તેના માટે પ્રતિક્ષા કરતા રહો, તે જ મારું મૂળ સૂત્ર છે

શક્તિ અને વિશ્વાસ : શક્તિ અને વિશ્વાસની સાથે લાગેલા રહો. સત્યનિષ્ઠ, પવિત્ર અને નિર્મળ રહો, તથા અંદરો અંદર લડો નહીં. આપણી જાતિનો રોગ ઇર્ષ્યા જ છે.

અન્યોથી ભિન્ન વિચારશો તો ઉપહાસ થશો, પણ ડરવું નહીં : દરેક કામને ત્રણ તબક્કાઓમાંથી પસાર થવું પડે છે- ઉપહાસ, વિરોધ અને સ્વીકૃતિ. જે મનુષ્ય પોતાના સમય કરતા આગળ વિચાર કરે છે, લોકો તેને ખોટું જ ઘણે છે. એટલા માટે વિરોધ અને અત્યાચાર આપણે સહર્ષ સ્વીકારીએ છીએ. પરંતુ મારે દૃઢ અને પવિત્ર થવું જોઇએ અને ભગવાનમાં અપરિમિત વિશ્વાસ રાખવો જોઇએ, ત્યારે આ બધું લુપ્ત થઇ જશે.

એકલા રહો, એકલા રહો : જે એકલો રહે છે, તેનો કોઇની પણ સાથે વિરોધ નથી થતો, તે કોઇની શાંતિ ભંગ નથી કરતો, કે કોઇ અન્ય વ્યક્તિ પણ તેની શાંતિ ભંગ નથી કરતો.

ઉઠો.. જાગો.. થંભશો નહીં : ઉઠો, જાગો અને ધ્યેય પ્રાપ્તિ સુધી મંડ્યા રહો.

દુનિયાનો સૌથી મોટો ધર્મ : દુનિયાનો સૌથી મોટો ધર્મ છે પોતાના સ્વભાવ અને ખુદના પ્રત્યે સત્ય રહેવું. ખુદમાં હંમેશા વિશ્વાસ રાખો.

https://shorturl.at/glxGS

GTU – GSET IN MEDIA

GTU Placement fair

Free internship for BE Students

12 week internship

GTU received NAAC A+ grade

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 - GSET

Vision:

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

Mission:

- To develop state-of-art research facilities with well-equipped academic infrastructure
- To establish strong collaborations with research organizations, Institute of national importance and Industries that promote research and consultancies
- To encourage innovative practices to produce innovators and entrepreneurs
- To leverage International linkages of the University to establish strong international out reach

Why "KANASH"?

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

K : Knowledge

A : Achievement

N : Nurturing

A : Acknowledgement

S : Sustainability

H : Happiness

News Letter Committee:

- ➤ Prof. S. D. Panchal, Director, GTU-GSET, Chairperson
- ➤ Prof. Jignesh A. Amin, Professor, GTU-GSET, Editorial Board Member
- ➤ Prof. Rutika Ghariya, Assistant Professor, GTU-GSET, Editorial Board Member
- ➤ Prof. Mahesh Panchal, Assistant Professor, GTU-GSET, Editorial Board Member
- ➤ Prof. Seema Joshi, Assistant Professor, GTU-GSET, Editorial Board Member

Designed by: Mr. Harish S. Vaghela, Office Assistant, GTU-GSET

---

(1) M.E. – Computer Engineering
(Cyber Security)
AICTE Approved
Duration: 02 Years
Intake: 30
Inception Year: 2017

(2) M.E. –Electronics and Communication Engineering
(Mobile Communication and Network Technology)
AICTE Approved
Duration: 02 Years
Intake: 18
Inception Year: 2018

(3) Post Graduate Diploma in Data Science
Duration: 01 Year
Intake: 30
Inception Year: 2020

(4) M.E. – Computer Engineering
(Internet of Things)
AICTE Approved
Duration: 02 Years
Intake: 18
Inception Year: 2021

(5) M.E. – Computer Engineering
(Artificial Intelligence and Data Science)
AICTE Approved
Duration: 02 Years
Intake: 18
Inception Year: 2022

(6) M.E. – Civil Engineering (Structural Engineering)
AICTE Approved
Duration: 02 Year
Intake: 18
Inception Year: 2022

(7) B.E. – Computer Engineering (Newly introduced program)
Duration: 04 Years
Intake: 60
Inception Year: 2023

GUJARAT TECHNOLOGICAL UNIVERSITY
GRADUATE SCHOOL OF ENGINEERING AND TECHNOLOGY
(University Managed PG Engineering Department)
Academic Block 5, GTU Chandkheda Campus, Near Visat Three Cross Road
Chandkheda, Ahmedabad, Gujarat 382424
Website: www.set.gtu.ac.in
Email: gtugset@gtu.edu.in