



Gujarat Technological University Graduate School of Engineering and Technology

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KANASH

Reflection of GTU-GSET Activities



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GTU-GSET Warmly Welcomes Dr. Rajesh A. Thakker as an Adjunct Professor



Dr. Rajesh Thakker has served at various academic positions in Government Engineering Colleges of Gujarat. Before joining as an adjunct professor at GTU-GSET, he was a Principal at GEC – Rajkot. He received Ph.D. degree in Microelectronics/VLSI from IIT-Bombay in August 2009, M. Tech (Microelectronics/VLSI) from IIT Bombay in January 2002, and B.E. (Electronics and Communication) from Gujarat University in July 1993. Dr. Thakker has more than 25 years of teaching experience. His area of expertise is in VLSI and image processing. Dr. Rajesh is granted 01 US and 01 European patents, and has filed five Indian patents. He has published more than 50 research papers in reputed international and national journals, and conferences, and also a book titled “Applications Evolutionary Algorithms in VLSI”, LAP LAMBERT. Under his supervision, 05 students completed their doctorate degree, and 05 students are currently pursuing their PhD study. He supervised 24 M.E. dissertations during his tenure. Dr. Rajesh Thakker is a regular reviewer of EAAI and other journals published by Elsevier as well as some journals published by IEEE.

GTU-GSET ACTIVITIES

Various Technical and Non-technical workshops, seminars, training and faculty development programs have been organized by GTU - Graduate School of Engineering and Technology during April'2021 to June' 2021. Some of these programs include:

Workshop/Training program organized:

(1) An online “Pre-Placement Training” is organized for the final year students of M.E. - EC (MCNT), M.E. - CE (Cyber Security) and PG Diploma in Data Science in association with TOPS Technologies Pvt. Ltd, Ahmedabad during 1st April to 7th May 2021. Objective of the training is to prepare the



students as per the demands of the industries. Three training programs for each program were scheduled every Monday, Wednesday, and Friday for one

half an hour. Three industrial experts, Mr. Sanket Chauhan, and Mr. Jignesh Parmar conducted training separately on “**Python Programming**” for the students of M.E. (EC) MCNT, and PGDDS, respectively. Mr. Mohamad Farook Pathan conducted training on “**Ethical Hacking**” for the students of M.E. - CS (Cyber Security). 17 students from M.E. CE (CS), 12 students from M.E. EC (MCNT), 10 students from PGDDS and concerned faculty members actively participated in the training and explored the topics as per the industrial demands. This training was coordinated by **Prof. Gautam D. Makwana, Prof. Seema B. Joshi, and Prof. Mahesh Panchal.**

(2) An online meeting with Entuple Technology Pvt. Ltd., Bangaluru regarding signing a MoU is conducted. A team of the company, Mr. Vidyasagar M.K.,



Product Manager, ANSYS (India), Mr. Damodara M.S., Business Manager, Training, Mr. Johnson Peter Vadukoot, Business Manager EDA - CADENCE (India), and Mr. Sumit Gavali, Sales Manager have discussed various

opportunities for the stakeholders of the Institute. Various agendas have been finalized to sign the MoU

between the company and the Institute for the benefits of the stakeholders of the both. The meeting was coordinated by

Prof. Gautam Makwana and was held in presence of Prof. S. D. Panchal, Prof. S. K. Hadia, and Prof. K. R. Borisagar on 13th May 2021.

Webinar series by the Industrial expert:

The institute has organized webinars in different domains on every Saturday for the first-year students of M.E CE (Cyber Security), M.E. (MCNT) and PG diploma in Data Science. The purpose of these webinars is to promote research activities and opportunities in the emerging areas of the programs, to explore new technologies and to educate students with recent industry demands. Some glimpse of such activities:

(1) Ms. K. Indravani, Joint Director, C-DAC Hyderabad (Ministry of Electronics and IT) has been invited to deliver an

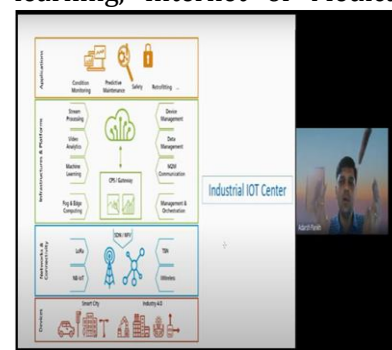


online expert session on **"Web Application Security"** on 29th May 2021. As a part of co-curricular activities, this session was arranged for students of ME CE (Cyber

Security) with an objective to make them aware about vulnerabilities in web applications. The session was coordinated by **Prof. Mahesh Panchal** and total 23 students have attended participated in the session.

(2) Mr. Adarsh Parikh, Associate Director, Infostratch Communication, Ahmedabad has been invited to conduct an online expert session on **"Digital Transformation using IoT"** on 29th May 2021. The session was organized for students of M.E. - EC (MCNT) and M.E. - CE (CS). In this session, the speaker explored various topics such as

digital transformation, its industry implementation, Industrial IoT, Machine learning, Internet of Medical



Things (IMoT), and License Plate Recognition. The session was coordinated by **Prof. Raj Hakani and Prof. Rutika Ghariya** and was attended by 24 students of the programs.

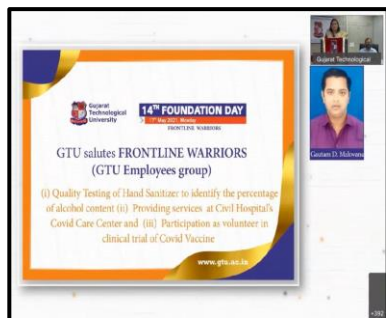


GTU-GSET FACULTY/STAFF ACTIVITIES

Numbers of academic prominence, prestige, renowned fellowships, research grants, associateships, specified lectureships, desired awards and medals have been granted on the faculties in recognition of their academic and social achievements, during the last 3 months. Some of the distinctions include:

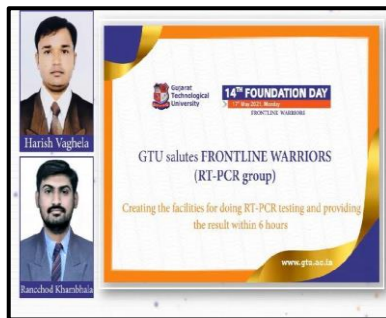
Awards/Honors & Appreciation:

Prof. Gautam D. Makwana, Associate Professor, Appreciated as GTU Corona Warriors by the University on the occasion of 14th Foundation Day on 17th May



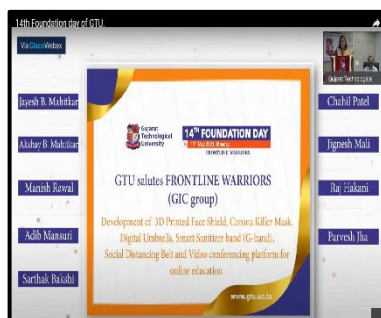
2021 for participating in the Human Clinical Trials of Corona Vaccine - COVAXIN, an indigenous vaccine made by Bharat Biotech Pvt. Ltd., Hyderabad. The trial conducted at Sola Civil Hospital, Ahmedabad. Prof. Gautam regularly visited the hospital every month for RTPCR test, blood samples, and observation of the side effects. The Doordarshan and Zee Gujarati have interviewed Prof. Makwana for his objectives behind the participation in the trials.

Mr. Ranchhod Khambhala Librarian & Mr. Harish Vaghela Office Assistant, Appreciated as GTU Corona Warrior by the University on the occasion of 14th Foundation Day of University on 17th May 2021 in the category of creating



facility for RT-PCR testing at the University and providing the report within 6 hours as a part of team member at GTU-Atal Incubation Center.

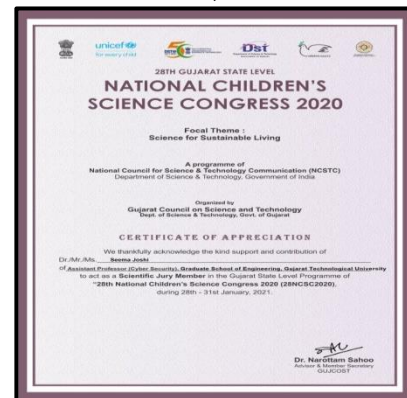
Prof. Raj Hakani, Assistant Professor, Appreciated as GTU



Corona Warriors by the University on the occasion of 14th Foundation Day on 17th May 2021 for developing a Social Distancing belt during Covid-19 pandemic situation and also mentored the students to develop a Digital Umbrella and 3D Face Shield Mask for Corona warriors.

Prof. Seema B. Joshi, Assistant Professor, Received a certificate of appreciation from Gujarat Council on Science and Technology (GUJCOST),

Gandhinagar on 28th May 2021 to serve as a Scientific Jury Member in the Gujarat State level program of 28th Gujarat State Level: National Children's Science Congress 2020 - A program of National Council for Science and Technology Communication, DST Govt. of



India organized during 28-31 January, 2021 at Gandhinagar.

Mr. Deepak Upadhyay, Assistant Professor, Received an appreciation letter from Superintendent of police, Patan (Shri. Akshay Raj, IPS) to solve the Cyber Bullying Case. In this



case a lady was harassed by an

unknown person, who was doing regularly spoof call to her

and his family members. It was one of the complexed cyber

case as in spoof call.

Faculty members as Resource Persons:

Prof. (Dr.) S. D. Panchal, Professor, (1) Invited as a resource person by Computer



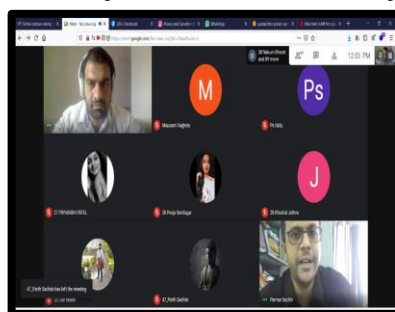
Engineering Department, AVPTI, Rajkot, to deliver an expert session on **"Cybercrime Scenario and & Various Cyber Offences"** in AICTE-ISTE sponsored One-Week Online Refresher Program 2020-21 on **"Security and Privacy: Trends and Directions"** during 28 April to 4 May 2021.

(2) Delivered talk on **"Cybercrime Scenario across the Globe and Motive behind cybercrime"** in AICTE-ISTE Sponsored One Week Online Refresher Programme on **"Cybersecurity, Digital Forensic & Blockchain Technology"** organized by The Centre for Cryptography, Cybersecurity and Digital Forensic - C3-SDF) - LNMIIT Jaipur during 24 May 2021 to 29 May 2021.

(3) Delivered an awareness talk on **"A Specialization/Minor Course - Initiative of AICTE and Policy of Gujarat**

Technological University" for the Principals/Head of Departments/Trustees of various affiliated Institutions of Engineering domain on 4th June 2021.

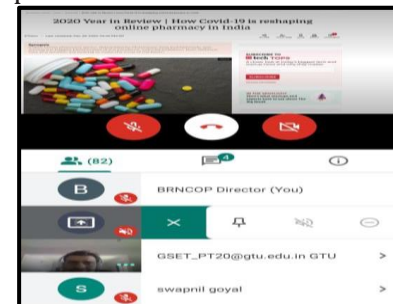
Prof. Deepak Upadhyay, Assistant Professor, (1) Delivered expert session on **"Cyber Crimes and Cyber Security"** in Pharmacy



Department, Saurashtra University on 3rd May 2021. In the session, various cyber-crimes were discussed with the IT Act 2000 and safety tips related to the usage of social media networking sites.

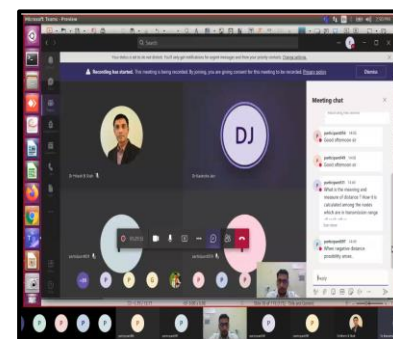
(2) Delivered an eDelivered an expert session on **"Cyber Crimes Awareness with Case Study"** in Pharmacy Department, Mandsaur University, Madhya Pradesh on 22nd May 2021. The session was conducted to aware the students and faculty members to be safe in the field of Pharmacy related to cyber-crime. The case study was explained on how chemical

fraud generally happens with pharmacists on the Internet.



Safety tips were also discussed in reference to the general cyber-crime happening with the citizens.

Prof. Margam Suthar, Assistant Professor, Delivered an expert session on **"Wireless Embedded Systems and Sensor Networks"** on 3rd June 2021 in AICTE-ATAL



sponsored Online Five Days Faculty Development Program (FDP) on **'Sensor Technology'** on the Theme: Wireless Embedded Systems and Sensor Networks organized by Department of Electronics & Communication Engineering, G H Patel College of Engineering & Technology, Vallabh



Vidyanagar, Gujarat (India), during the 1st to 5th June 2021.

Prof. (Dr.) R.A. Thakker, Adjunct Professor, Performed a review of mini project with seminar for the 2nd semester students of Mobile communication and network technology and Cyber Security



since joining the Institute as an

adjunct professor. Dr. Thakker has also interacted with GTU-GSET faculty members and students. Dr. Thakker discussed his observations obtained during the review and provided some action plans for student project work and presentation during the interaction.

Technical & Non-Technical Contribution:

Faculty members of GTU – GSET have participated in more than 7 technical seminars/workshops/FDPs/STTPs. They have contributed in various technical and non-technical activities. Some of the distinctions include:

Prof. S.D. Panchal, Professor, Served an expert member in the formation of a GTU Policy to start Specialization/Minor Degree in exiting PG Programs running at various affiliated institutes of the University.

Prof. S.K. Hadia, Associate Professor, (1) Nominated as Coordinator for 360-degree feedback implementation portal on 19th April 2021

(2) Nominated as Technical Expert at Technical Bharti Board, Police Bhavan, Gandhinagar on 25th May 2021

(3) Designed syllabus for recruitment of the Wireless sub-Inspector and wireless operator in Police Department, Gujarat on 2nd June 2021

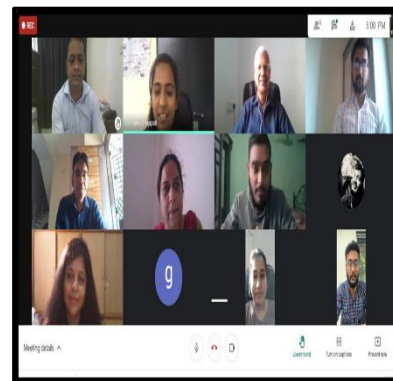
Prof. Seema B. Joshi, Assistant Professor, (1) Taken cyber security pledge for women on 10th June 2021 to remain committed to cyber aware and alert in safeguarding

self and other against possible cyber-crimes or frauds in Digital Space, by following secure and hygienic online practices under the Information Security Education and Awareness (ISEA) Project, MeitY, Government of India. She has guided and helped one woman victim to save her from cyber frauds.

(2) Selected as Evaluator for Toycathon-2021 Grand Finale by the Ministry of Education's Innovation Cell and AICTE for the Nodal Centre of Shri Shankaracharya Technical Campus, Bhilai, Chhattisgarh. The evaluation is carried out during 22 to 24, June 2021 to track two teams of students in Toycathon-2021.

Prof. Gautam Makwana, Associate Professor, (1) Served as a Jury Member, SSIP PoC Screening (Online) organized by GTU Innovation & Startup Centre, Vadodara on

30th April 2021. The center



identified 12 teams for the screening out of 45 teams. The screening committee includes prominent faculties from reputed organizations. The committee has approved eight PoCs out of 12 PoCs for the funding supports.

(2) Arranged and coordinated 07 Placement Drive: 1. WebOccult Technologies, Ahmedabad, 2. TOPS Technologies Pvt. Ltd., Ahmedabad, 3. eInfochips, Ahmedabad, 4. CIMCON Software (India) Pvt. Ltd., UK

and USA based, 5. ITCG Solutions Pvt. Ltd, Baroda, 6. Prompt Equipment Pvt. Ltd., Ahmedabad, 7. Sophos Technologies Pvt. Ltd for the final year students of M.E. - CE (Cyber Security), M.E. - EC (Mobile Communication and Network Technology), PG Diploma in Data Science from 17th May 2021 to till date.

Prof. Mahesh Panchal, Assistant Professor, Served as an academic and technical expert for screening the proposals under Student Start-

up & Innovation Policy (SSIP-GTU) during **20-21 May 2021**.

Prof. Mridul Seth, Assistant Professor, A webinar for Fire Safety Awareness was organized on 11th June 2021, Friday through a joint initiative by GTU and N-Fire Systems. The webinar was attended by more than 2500 people where they learned about fire safety planning. The most common Fire Safety awareness objectives are: protection of life, protection of property and continuity of any operation.

That makes a Fire Safety



education is an extremely important skill to learn in regards of the safety of individuals and as far as infrastructural loss is concerned. The event was coordinated by **Prof. Mridul Seth**.

Industrial Interaction/Training:

Objectives of an industrial interaction are to explore technical facilities at reputed organization, PG Internship, PG Dissertation, Consultancy Projects, Placement and Technical support for PG students and the Institute. The institute believes that long-term interaction with various companies help us to change course curriculum, update equipment and instruments as per the industrial demands. The institute empowered the faculty members to make such kind of the industrial interaction for the benefit of the student community.

Prof. S.D. Panchal, Professor & Prof. Gautam Makwana, Associate Professor, Interacted with Shri. Rajubhai Shah (founder) at Harsha Engineers, Ahmedabad on 20th May 2021 to reduce industry – academic gap, to explore



industrial atmosphere among the faculty and collaborative work. As a part of the

interaction, they visited various processing units, did discussion on IT and Automation at the company with its team. The interaction ended with planning to organize faculty industrial training program for faculty members of the constituent institutes of the Gujarat Technological University.

Prof. S.K. Hadia & Prof. Gautam D. Makwana, Associate Professor, Prof. Rutika Ghariya, Assistant Professor, Attended Faculty Industrial Interaction Program at Harsha Engineers, Ahmedabad organized by

Gujarat Technological University during 25-29 May, 2021. Objectives of the program are to reduce the gap between industry and academic institutes, to explore industrial work environments, to initiate



collaborations and to prepare the students as per the industrial demands. The visit consists of field visit of various

processing units, technical discussion, technical expert session, and finding observations. At the end of visit,

Shri. Rajubhai Shah, founder and Prof. (Dr.) Navin Sheth, Hon'ble Vice Chancellor faculty members and team of the

company. The program is coordinated by **Prof. S. D. Panchal**, and **Prof. G. D. Makwana**.



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 own objectives and guidelines. The clubs are handled by the students and organizing activities during a semester.

Environment Club:

In the onset season of monsoon, GTU – GSET has celebrated the occasion of Van – Mahotsav on 25th June 2021 by executing the plantation of saplings at the



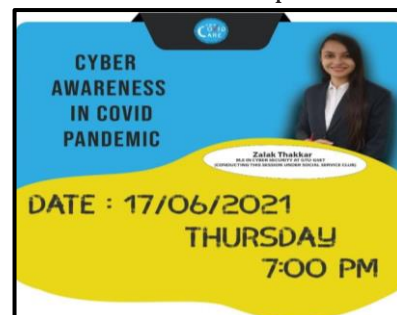
campus Academic Block – 5, GSET, GTU. To give a combat battle to global warming on increasing industrialization and deforestation in the evidence of increasing urbanization, Environment Club of GTU – GSET took the

lead in organizing an event in which saplings of various species such as Neem, Jamun, Gulmohar & etc. were planted behind the institute building. All the faculties and non-teaching staff of the institute actively participated in the programme and made it a huge success. The event was coordinated by **Prof. Mridul Seth** and **Mr. Ranchhod Khambhala**.

Social Service Club:

(1) In the digital era, cyber fraud is the most common thing. To make people aware about the cyber security and how to be safe in this Covid pandemic, the social service club has organized an

awareness talk on “Cyber awareness in Covid pandemic”



on 17th June 2021. The event was coordinated by **Prof. Seema Joshi (Faculty mentor)** and conducted by **Ms. Zalak Thakkar** (Student, CS, Batch-2020-21)

(2) In the pandemic situation, spreading awareness for the precautionary measures to deal with this situation is a need now-a-day. As a part of social people in the service, mask



distribution for surroundings was planned on 11th June 2021 and urged people to join this activity by following the guided precautions during the mask

distribution. This was a small step which could make a big difference in the society. The event was coordinated by **Ms. Shilpi Tiwari** (Student, CS, Batch-2020-21) and team.

Student Placement:



Mr. Rushabh Vaghela, M.E.- CE (Cyber Security) batch - 2019- 21, selected at HackIT Technology and Advisory Services, Delhi as a Security Analyst.

Mr. Sanjeev Singh, M.E. - CE (Cyber Security) batch - 2019- 21, selected at HackIT Technology and Advisory Services, Delhi as a Security Analyst.



Mr. Jay Pomal, M.E. - CE (Cyber Security) batch - 2019- 21, selected at EthicalHat, Delhi as a SOC Analyst.

Ms. Krima Prajapati, M.E.- CE (Cyber Security) batch - 2019- 21, selected at Kloudone, Chennai as a Cyber Security Engineer.





Mr. Kaurav Trivedi, M.E. - CE (Cyber Security) batch - 2019- 21, selected at Wipro, Ahmedabad as a Network Engineer.

Mr. Pranjal Upadhyay, M.E. - CE (Cyber Security) batch - 2019- 21, selected at GyanManjari Institute of Technology, Bhavnagar as an Assistant Professor.



Ms. Yamini Savliya, M.E.- CE (Cyber Security) batch - 2018- 20, selected at HackIT Technology and Advisory Services, Delhi as a Security Analyst.

Student Internship:



V. Soumya (Student, ME CE (Cyber Security), batch 2020), has been selected for an Internship for her PG Dissertation for a period of one year at Institute for Plasma Research, Ahmedabad.

Shubham Kotak, (Students, ME CE (Cyber Security), batch 2020) has been selected for an online Gurugram Police Cyber Security Summer Internship-2021 for a period of one month.





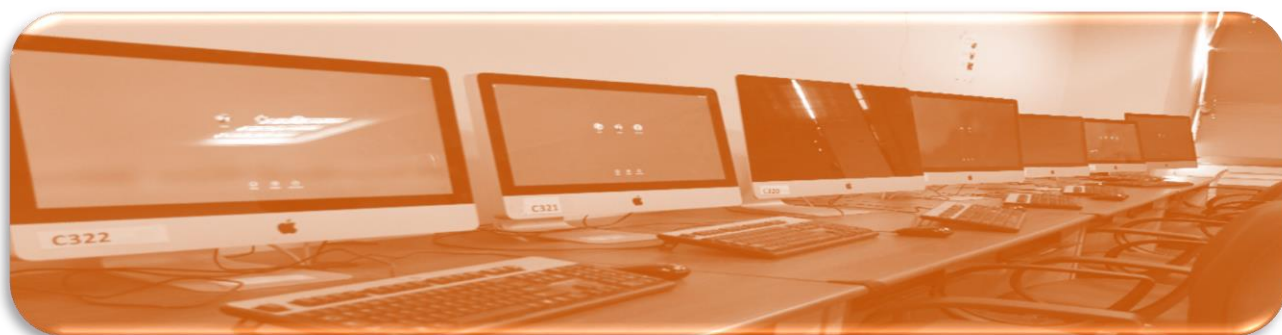
Payal Viras, (Students, ME CE (Cyber Security), batch 2020) has been selected for an online Gurugram Police Cyber Security Summer Internship-2021 for a period of one month.

Milind Shah, (Students, ME CE (Cyber Security), batch 2020) has been selected for an online Gurugram Police Cyber Security Summer Internship-2021 for a period of one month.



Khushal Chauhan, (Students, ME CE (Cyber Security), batch 2020) has been selected for an online Gurugram Police Cyber Security Summer Internship-2021 for a period of one month.

Manthan Mokat, (Students, ME CE (Cyber Security), batch 2020) has been selected for an online Gurugram Police Cyber Security Summer Internship-2021 for a period of one month.





Brijesh Joshi, (Students, ME CE (Cyber Security), batch 2020) has been selected for an online Gurugram Police Cyber Security Summer Internship-2021 for a period of one month.



Vihang Patel, (Students, ME CE (Cyber Security), batch 2020) has been selected for an online Gurugram Police Cyber Security Summer Internship-2021 for a period of one month.



Krunal Patel, (Students, ME CE (Cyber Security), batch 2020) has been selected for an online Gurugram Police Cyber Security Summer Internship-2021 for a period of one month.



Rushabh Vaghela, (Students, ME CE (Cyber Security), batch 2020) has been selected for an online Gurugram Police Cyber Security Summer Internship-2021 for a period of one month.



RESEARCH PUBLICATION

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. Mahesh H. Panchal,
Assistant Professor,

(1) Published a research paper entitled "A Novel Homomorphic Encryption based RSA Algorithm for Machine Learning" with a PG student Mr. Harsh Kiratsata in the Proceedings of "International Conference on Smart Data Intelligence (ICSMDI 2021)" organized during 29-30 April 2021 at Kongunadu College of Engineering and Technology, Trichy, India.

(2) Published a research paper entitled "A Comparative Analysis of Machine Learning Models developed from Homomorphic Encryption based RSA and Paillier algorithm" with a PG student Mr. Harsh Kiratsata in the "IEEE Proceedings of the Fifth International Conference on Intelligent Computing and Control Systems (ICICCS 2021)" on 6-8 May 2021 organized by Vaigai College Engineering (VCE), Madurai, India.

(3) Reviewed a manuscript submitted to "Computer Assisted Methods in Engineering and Science" (A

referred international journal, published quarterly, indexed by Scopus and EBSCO)

Prof. Gautam D. Makwana,
Associate Professor, (1) Accepted research article on "A Comprehensive Review on Multi-band Microstrip Patch Antenna Comprising 5G Wireless Communication" in Scopus Index Journal - International Journal of Computing and Digital Systems on 14th June 2021.

(2) Accepted a research article on "Design of Wideband Bowtie Antenna using Taper Balun for ISM Application" in UGC Care List Journal - International Journal of Information Technology and Electrical Engineering (ITEE) on 19th June 2021.

(3) Invited as a reviewer for the editorial committee for a Scopus Indexed "International Journal of Computing and Digital Systems (IJCDS, ISSN 2210-142X)" on 5th June 2021 and reviewed two research papers (i) Dual Input Capsule Network for Image Recognition, (ii) A multi-stage approach combining feature selection with machine-

learning-techniques for higher prediction reliability and accuracy of Heart Disease.

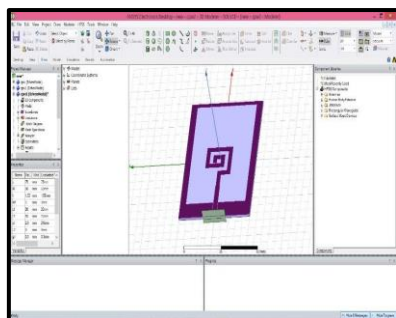
(4) Invited as a reviewer for "2021 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT)" organized by Bahrain of University, Bahrain on 19th June 2021 and reviewed a research paper titled "A Fuzzy-based Clustering and Data Collection for Internet of Things based Wireless Sensor Networks.

Prof. S. K. Hadia, Associate Professor, (1) Invited as a reviewer for the editorial committee for a Scopus Indexed "International Journal of Computing and Digital Systems (IJCDS, ISSN 2210-142X)" on 5th June 2021.

(2) Invited as a reviewer for "2021 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT)" organized by Bahrain of University, Bahrain on 19th June 2021.

NEW ARRIVALS

On April 19, 2021, GTU-GSET received a simulation tool - ANSYS HFSS Microwave Studio



Research Licenses (Perpetual) for one user. The tool has various packages such as Ansoft Designer (RF & SI), HFSS, SI-wave, Q3D Extractor, Optometric, ECAD Translators, MCAD Translator. The tool is occupied under the GUJCOST Research Grant procured by the Prof. G. D. Makwana (PI) & Prof. S. D. Panchal (Co-PI). The cost of

the simulation tool is Rs. 5.50 lacs.

Rogers Microwave Materials (Laminates) Diclad 880 (Qty: 02), AD255C (Qty: 02) were received as part of a GUJCOST-sponsored research project. The materials are imported and used to create various antenna



prototypes. ICON Electromatic, Banagaluru, India's supplier of the material, donated one

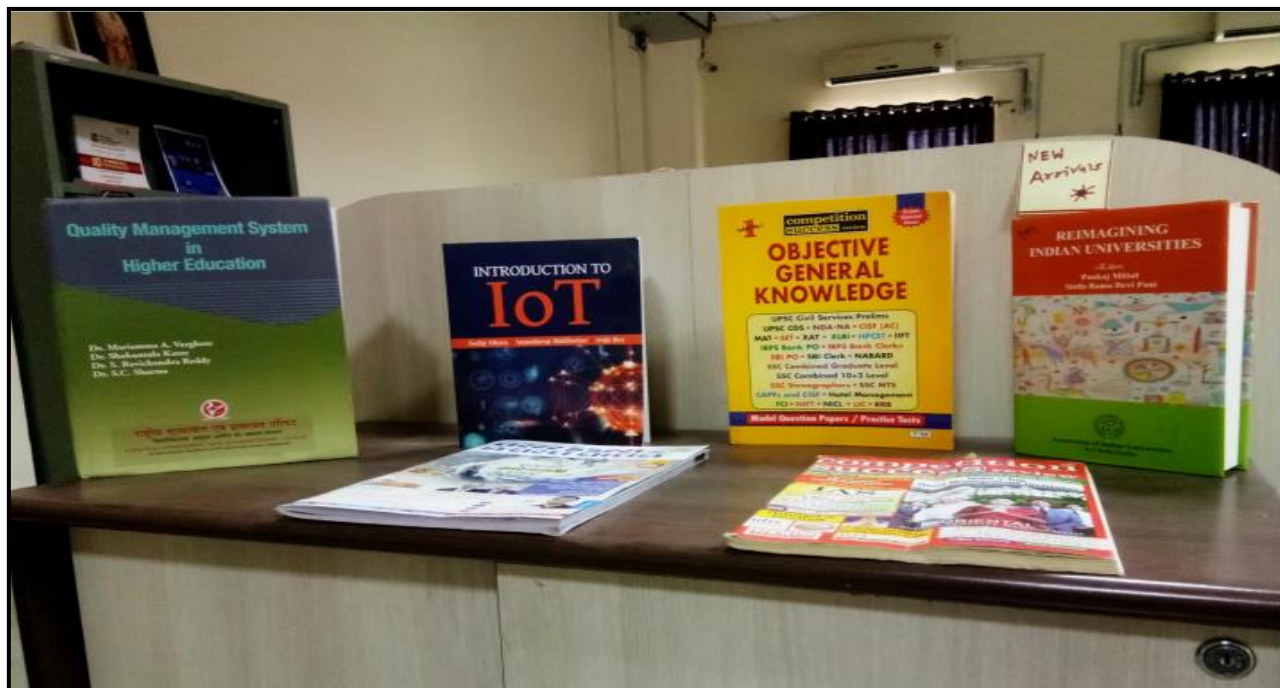
sample of Diclad 880 to support research activities at GTU-GSET.

The GTU-GSET Cyber Security



Program is equipped with the Attack Defense Lab, which is associated with the Pentester Academy, United States. Students will have access to more than 2000 cyber security laboratories with hands-on practice.

LIBRARY NEW ARRIVALS:



Professor's Blog:

(1) સકારાત્મક અભિગમ

કોઇપણ કાર્યમાં તમારો દ્રષ્ટિકોણ જ એ કાર્યની સફળતાની દિશા નક્કી કરે છે. દરેક વ્યક્તિનું વૈચારિક સ્તર કે જ્ઞાન નું સ્તર અલગ હોઈ શકે છે. પરંતુ તે કેવા અભિગમ સાથે એનું જીવન જીવી રહ્યો છે એ જ બાબત એને સફળ વ્યક્તિ બનાવતી હોય છે. અંગ્રેજી ભાષામાં એવું કહેવાય છે કે “**CIRCUMSTANCES DOESN'T MAKE A MAN, IT REVEALS HIM**” એટલે કે કોઈપણ વ્યક્તિનું ઘડતર જે તે સમયની પરિસ્થિતિ નથી કરતી પરંતુ એ પરિસ્થિતિ એ વ્યક્તિ નું સાચું વ્યક્તિત્વ ઉજાગર કરે છે જે એનામાં પેહલાથી છુપાયેલું હોય છે. વિકટ પરિસ્થિતિમાં એનો અભિગમ જ એના વ્યક્તિત્વની ઓળખ બને છે. સકારાત્મક જોવાનો સ્વભાવ એની સફળતાનો ગ્રાફ ઉંચો રાખે છે.

અરુણીમા સિન્હા જે ભારતની વોલીબોલ અને ફૂટબોલ ની રાષ્ટ્રીય ટીમ ના ખેલાડી હતા. એમના પર ૨૦૧૧ માં કેટલાક ચોરો એ હુમલો કરીને ચાલતી ટ્રેન માંથી મધરાત્રે નીચે ટ્રેન ના બીજા પાટા પર ફેંકી દીધા હતા. એમના પગ પરથી આખી રાત ઘણી ટ્રેન

પસાર થઈ, એમનો ડાબો પગ કપાયી ગયો. જમણા પગમાં પણ ગંભીર ઈજાઓ થયી અને કરોડરજ્જુ માં ઘણા ફેંકચર થયા. જીવનમાં ક્યારેય પોતાના પગ પર ચાલી પણ ના શકે એવી પરિસ્થિતિ થયી ગઈ હતી. પરંતુ એ ઘટના બાદ એ ત્યાં થી અટક્યા નહીં. એમને સંકલ્પ લીધો કે એ વિશ્વના દરેક ખંડના સર્વોચ્ચ શિખર પર ભારતનો રાષ્ટ્રીય ધ્વજ ફરકાવશે. અને ત્યાર પછી એમને એશિયામાં એવરેસ્ટ, આફ્રિકામાં કિલીમંજારો, યુરોપમાં એલ્બ્રસ, ઓસ્ટ્રેલિયામાં કોસિયસ્કો, આર્જેન્ટિનામાં એકોનકાગુઆ, ઇન્ડોનેશિયામાં કાર્સ્ટન્સ પિરિમિડ અને છેલ્લે ૨૦૧૯ માં તેમણે એન્ટાર્કટિકામાં માઉન્ટ વિન્સન શિખર સર કરી આપણો રાષ્ટ્ર ધ્વજ ફરકાવ્યો છે. આ સિદ્ધિ એમને માત્ર ૯ વર્ષના ટૂંકા સમય મા મેળવી.

આમ જો દરેક વ્યક્તિ વિકટ પરિસ્થિતિમાં બિચારા, બાપડા, દુખી, લાચાર, બેસહારા, બનવાને બદલે અરુણીમા સિન્હા ની જેમ સકારાત્મક અભિગમ રાખી કોઈ પણ કાર્યમાં આત્મવિશ્વાસ પૂર્વક

મેહનત કરે તો ચોક્કસ ધાર્યું પરિણામ મેળવી શકે છે.

“મન માં બને એ જીવનમાં બને”

- By Ranchhod Khambhala
Librarian

(2) New Phase

When our dreams come true, then it gives eternal happiness. When we wish something from God and we get that, it really a surprising and happy moment. But we have to work hard for getting the things in our life. When your hard-work added to your luck, then it gives you a wonderful and surprising moments. You have to fix a goal in your mind to achieve it. It definitely works. If you will see a dream, then the courage you collect for make a real to it. Many times, you get failure, but from that you have to learn something. Everything comes in our life from some reason. When something happens to us, then catch it, learn from it and find why that happens. If it's right for us then ok otherwise try to make it right for ourselves. When we are learning something new, then definitely it will hard at first time. But when same thing comes to you again, then it will be easy for you. Whatever comes to you, just accept it and try to make it better. Just BE HAPPY and do your work with surety, you will get result definitely.

- By Komal Prajapati, Lab
Assistant

કોરોનાને કારણે પિતા ગુમાવનાર વિદ્યાર્થીને GTUના PG કોર્સમાં નિઃશુલ્ક પ્રવેશ અપાશે

એજ્યુકેશન રિપોર્ટર | અમદાવાદ

કોરોનાને કારણે પિતા ગુમાવનારા વિદ્યાર્થીઓને જીટીયુ કેમ્પસમાં પીજી કોર્સમાં વિનામૂલ્યે પ્રવેશ આપવામાં આવશે. જીટીયુના ઉચ્ચ સત્તાવાળાઓએ કોરોનામાં મૃત્યુ પામેલા સંતાનો પ્રત્યે માનવીય અભિગમ દાખવતા આ નિર્ણય લીધો છે. જીટીયુના રજિસ્ટ્રાર ડો. કે. એન. ખેરે જણાવ્યું કે, જીટીયુ કેમ્પસમાં ભણાવાતા એન્જિનિયરિંગ, ફાર્મસી, મેનેજમેન્ટ સહિતના વિવિધ પીજી કોર્સ તેમ જ મહેસાણાની જીપેરી કોલેજમાં ઇલેક્ટ્રિકલ, મિકેનિકલ કમ્પ્યુટર, સિવિલ એન્જિનિયરિંગ સહિતના વિવિધ યુજી લેવલના કોર્સમાં પણ નિઃશુલ્ક પ્રવેશ અપાશે. આ નિર્ણય સંતાનાર જાહેરાત આગામી વસંતમાં કરવામાં આવશે.

Date: 21/06/2021

જીટીયુના 14વાં સ્થાપના દિવસ ડિજિટલ માધ્યમ દ્વારા મનાયા ગયા



અમદાવાદ

ટેકનિકલ શિક્ષા ક્ષેત્રમાં દેશ-વિદેશમાં રાજ્યના નામ રોશન કરનાર તથા ગુજરાતનો સર્વસર્વ ટેકનોલોજિકલ યુનિવર્સિટી (જીટીયુ) ને આજ 13 વર્ષ પૂર્ણ કિંદ છે. વર્તમાન પરિસ્થિતિમાં

જીટીયુના 113 કોરોના વૉરિયર્સ કો સન્માનિત કિયા ગયા

ધ્યાનમાં રાખી જીટીયુના માધ્યમ દ્વારા જીટીયુના 14વાં સ્થાપના દિવસ મનાયા ગયા છે. આ અવસર પર મુખ્ય અધિકારીના રૂપમાં રાજ્યના શિક્ષા મંત્રી ભૂપેન્દ્ર સિંહ ચૌડાસમા તથા ગેસ્ટ ઓફ ઓનર તરીકે રાજ્યસભાના સાંસદ રામભાઈ મોકરિયા ડિજિટલ માધ્યમ દ્વારા જુડે છે. જીટીયુના કુલપતિ પ્રો. ડૉ. નવીન શેઠ, કલ સચિવ ડૉ. કે.એન. ખેર, જીએસએમએસના ડાયરેક્ટર ડૉ. પંકજરાય પટેલ, વીઓજી મેમ્બર પ્રો. ડૉ. એસ.ડી. પંચાલ તથા ગુજરાત આયુર્વેદ યુનિવર્સિટીના ભૂતપૂર્વ આચાર્ય ડૉ. હિતેશ જોની તથા ડિજિટલ ગ્રીન બિલ્ડિંગ કાર્ડસિલના પ્રિન્સિપલ કાર્ડેસલર એસ. કાર્તિકેયન ડિજિટલ માધ્યમ દ્વારા ઉપસ્થિત છે. પ્રાસંગિક ભાષણમાં જીટીયુના કુલસચિવ ડૉ. કે.એન. ખેરે ને સમગ્ર જીટીયુ પરિવારના 14વે સ્થાપના દિવસના ઉપલક્ષ્યમાં શુભકામનાઓ આપી છે.

www.gujaratvaibhav.com

Date: 18/05/2021

GTU team takes up project to develop 5G antennae

TIMES NEWS NETWORK

Ahmedabad: A research team of Gujarat Technological University has undertaken an ambitious project of developing 5G antennae more effective than ones made by China. The project is aimed at indigenous development of technologies to supplement 5G connectivity.

The team led by Gautam Makwana of the university's Graduate School of Engineering and Technology, has undertaken this pilot project, which once developed would accelerate development in wireless transmission in a big way, a university release said on Sunday.

The team has been sanctioned a sum of Rs 22 lakh by Gujarat State Council of Science and Technology for this unique 5G antenna project. GTU VC Professor Navin



The team led by Gautam Makwana of the university's Graduate School of Engineering and Technology has undertaken this pilot project

Sheth announced that this wireless antenna could connect around 10 lakh devices and provide them a speed of 10 gigabytes per second and thus exchange data at extremely high speed. He said this would also help generate more automation in core sectors of economy like agriculture and industry. He said as against

4G, this new antenna would work much faster and will also contribute in realizing the Aatmanirbhar Bharat dream of developing competent wireless technology.

The VC added that when developed, the 5G antenna technology will stand as a "basic facility" for 6G technology in the future.

Date: 14/06/2021

જીટીયુનો 2021-22થી ફી માફીનો નિર્ણય શહીદ જવાનોનાં સંતાનોને યુજી, પીજી કોર્સમાં ફી માફી

પ્રતીક ભટ્ટ, અમદાવાદ | જીટીયુએ રેપિડ એક્શન કોર્સ, બોર્ડર સિક્યોરિટી કોર્સ, સીઆરપીએફ સહિતના દેશના અર્ધલશ્કરી દળોના ફરજ પર શહીદ થયેલા જવાનોનાં સંતાનોને યુજી, પીજી કોર્સમાં ફી માફીનો નિર્ણય લીધો છે. શૈક્ષણિક વર્ષ 2021-2022થી ફી માફી આપવામાં આવશે.

પેરામિલિટરીના જવાનોનાં સંતાનોને લાભ

જીટીયુની મહેસાણા પાસેની જીપેરી કોલેજમાં ભણાવાતા યુજી કોર્સ, જીટીયુના ચાંદખેડા કેમ્પસમાં ઈજનેરી, ફાર્મસી એમબીએ સહિતના પીજી કોર્સ માટે પેરા મિલિટરી કોર્સના શહીદોનાં સંતાનોને શૈક્ષણિક વર્ષ 2021-2022થી ફી માફી અપાશે.

જીટીયુના ચાંદખેડા કેમ્પસમાં તાજેતરમાં સંતાનરૂઢી બેઠક મળી હતી. જીટીયુના કુલપતિ ડૉ. નવીન શેઠે આ નિર્ણય અંગે જણાવ્યું હતું કે, 'દેશ માટે પોતાના પ્રાણનું બલિદાન આપનારા જવાનોનાં સંતાનો નિઃશુલ્ક શિક્ષણ મેળવી શકે તે માટે મહેસાણાની જીપેરી કોલેજમાં સ્નાતક કક્ષાના ટેકનિકલ કોર્સમાં તેમ જ જીટીયુ કેમ્પસ ચાંદખેડામાં ભણાવાતા વિવિધ

યુજી કોર્સની 4 વર્ષની ફી રૂ. 1.60 લાખ છે

જીપેરી કોલેજમાં યુજી લેવલના વિવિધ ઈજનેરી કોર્સની ચાર વર્ષની ફી રૂ. 1.60 લાખ છે, જ્યારે જીટીયુના ચાંદખેડા કેમ્પસમાં ભણાવાતા વિવિધ અનુસ્નાતક કક્ષાના કોર્સની બે વર્ષની ફી રૂ. 50,000 છે. આ ફીમાંથી અર્ધ લશ્કરી દળોના જવાનોને ફીમાંથી રાહત મળશે.

અનુસ્નાતક કોર્સમાં ફી માફી અપાશે. આ અંગેનો ટૂંક સમયમાં પરીપત્ર કરાશે. 'થોડા સમય પહેલાં જીટીયુએ આર્મી, એરફોર્સ નેવીના શહીદ જવાનોના સંતાનો માટે ફી માફીની જાહેરાત કરી હતી.

Date: 21/06/2021

NEW COURSES

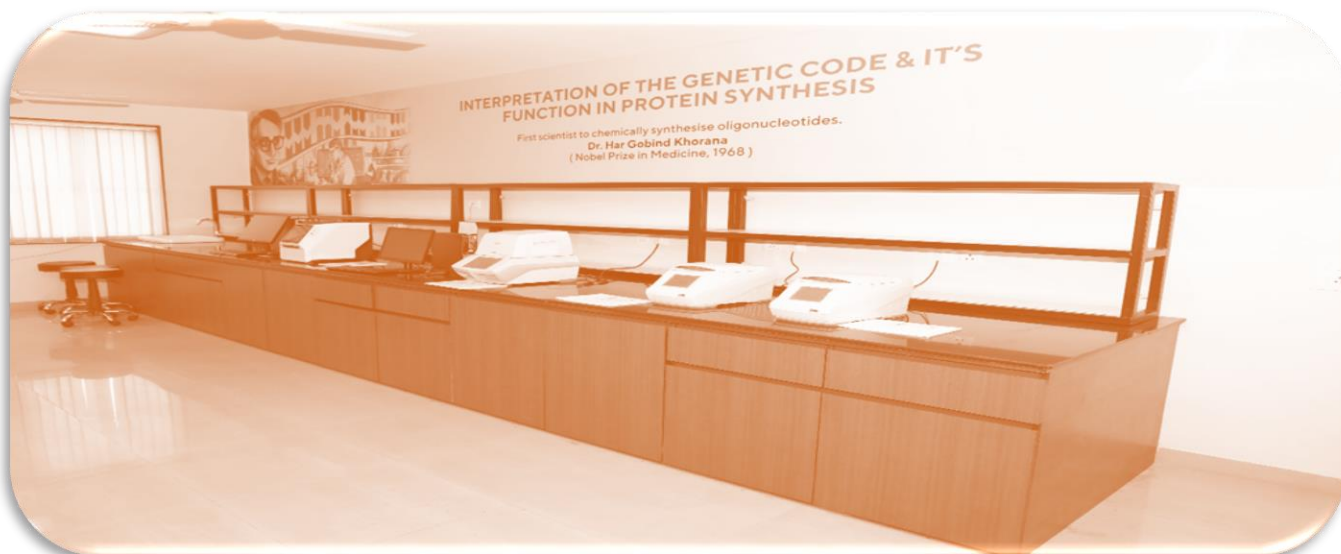
M.E. (Internet of Things):



GTU-GSET is going to start AICTE approved **Master of engineering** in Computer engineering with specialization in **Internet of Things** from the **academic year 2021-22** with intake of 18 students. In this program, the students will learn various subjects such as fundamental of IOT, design of embedded system, IOT OS and device drivers, as core subject with hands on practices. The program contains various program elective subjects to explore various domains of IOT that includes machine learning, AI, deep learning, sensors & actuator, programming technologies, big data technologies, cloud computing, real-time data analytics, industry 4.0, wireless sensor network, high performance computing, and latest developments with practical explorer.

M.Tech (Biotechnology):

GTU-GSET is going to start AICTE approved **Master of Technology** with specialization in **Biotechnology** from the **academic year 2021-22** with intake of 18 students. The scope of biotechnology in India is quite wide, especially as it provides large-scale employment in research laboratories run by the government as well as the corporate sector. M. Tech. in Biotechnology offers applied knowledge in the field of modern medical practice. The study of living organisms and bioprocesses in engineering, medicine, and technology are required for the benefit of developing immensely effective bio-products. Hence, it serves a social purpose along with the financial security that comes with a professional degree. The students will get exposure of Sophisticated Instrument Lab, Microbial Technology Lab, Animal Cell Tissue culture Lab and Central Instrument lab.





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

About ME-CE Cyber Security

VISION:

To create a research environment to provide socially responsible and technically sound postgraduate technocrats, innovators and entrepreneurs in the cyber security domain.

MISSION:

- To develop state-of-art research facilities of cyber security and digital forensics with well-equipped academic infrastructure
- To encourage faculty to do research and consultancies in the field of cyber security and digital forensics.
- To establish strong linkages with research organizations, Institute of national importance and Industries for cyber security.
- To promote innovative practices to produce innovators and entrepreneurs in the field of cyber security.

About ME-EC Mobile Communication and Network Technology

VISION:

To create a research environment for producing socially responsible and technically sound technocrats, innovators and entrepreneurs in the field of advanced wireless communication and networking

MISSION:

- To develop state-of-art research facilities with well-equipped academic infrastructure
- To encourage faculty and students for research and consultancies
- To establish strong linkages with research organizations, Institute of national importance and Industries of wireless communication and networking.
- To promote innovative practices in department to produce innovators and entrepreneurs
- To leverage International linkage of University to establish strong international outreach

About PG Diploma in Data Science

By use of various web-based and mobile-based applications, volume in our data is generated. Hence, it becomes challenging task to handle these data and most importantly to understand the data. Looking at the current and futuristic trends, there will be demand of data science experts who can understand the nature of data, analyse the data and take result-oriented decisions analysis of the data. This program is for students who are interested and eveloping skills in data science and data analytics. This is one year course with 30 intake. During one year of program the students will learn in sights of subjects like Machine Learning, Programming in Python, Blockchain Technology, Big Data Analytics, and Data Analyse is using Cloud Computing etc.

Why "KANASH"?

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

K : Knowledge

A : Achievement

N : Nurturing

A : Acknowledgement

S : Sustainability

H : Happiness

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

Programs @ 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: 30

Inception Year: 2018

(3) Post Graduate Diploma in Data Science

Duration: 01 Year

Intake: 30

Inception Year: 2020

GUJARAT TECHNOLOGICAL UNIVERSITY
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