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GUJARAT
TECHNOLOGICAL
UNIVERSITY

KANASH

Reflection of GTU-GSET Activities

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CONTENT

GTU-GSET welcomes the newly admitted students:

GTU-GSET started M.E. (CE) Cyber Security in 2017, M.E. (E.C) Mobile Communication and Network Technology in 2018, Post-Graduation Diploma in Data Science in 2020, and M.E. (CE) Internet of Things this academic year. GSET has organized an orientation session for newly admitted students in each program on September 29th, 2021 at the institute level and September 30th, 2021 at the university level. More than 65 newly admitted students attended the institute level orientation session, and more than 200 newly admitted students, including students from GSMS and GSP, attended the university level orientation program.

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 July'2021 to September' 2021. Some of these programs include:

Workshop/Training program organized:

(1) During 11-13, August 2021, online talk series on "**Explore your career opportunities in emerging technologies**" in the areas of Cyber security, Internet of Things, Mobile Communication and Network Technology, Data Science, and Biotechnology have been

organized for students who have completed their graduation in respective fields. The goal of the program was to provide career guidance to the graduate students of the Gujarat in order to develop various skills on various emerging technologies. For each emerging technology, sessions were organized and various experts of the emerging technologies were invited. The invited experts are (1) Mr. Amit Vasava (Deputy Commissioner, Cyber Cell Ahmedabad), (2) Dr. Chandrashekhar Mootapally (National Post-Doctoral Fellow, Gujarat), (3) Prof. (Dr.) Kamal Shah (Professor & Dean, Thakur College of Engineering and Technology, Mumbai), (4) Dr. Kiran Parmar (Professor and Head, Electrical Department, Adani Institute, Ahmedabad), and (5) Mr. Pranav Purohit

(Delivery Manager, eInfochip, Ahmedabad) and sessions are attended by the graduate students who interested to make career Cyber Security, Biotechnology, data science, mobile communication, and Internet of Things. A total of 90 students from the relevant programs actively participated in the sessions to explore the current demand in the industry, academia, and society.

(2) An online interview was held for students of M.E. – CE (Cyber Security), Sem-II for an internship at Arcana Networks (Previously known as Newfang), Bangalore. **Prof. Seema Joshi** coordinated the interview. The student prepared for the aptitude test and learned how to face the interview.

(3) For the students of 2nd year of M.E. – EC (MCNT), Internship drive is organized at SAC, Ahmedabad, DA-IICT, Gandhinagar, Micro Circuit Technology, Ahmeabad, and Pronesis Technology, Ahmedabad. Various technical rounds have been carried out by the concerned of the organization. The drive is coordinated by **Prof. G. D. Makwana and Prof. R. A. Thakker.**

(4) GTU - The Bosch Centre of Excellence in Automation organized the second industrial automation training program of a three-week during September 17th to October 11th 2021. There were 18 students from various affiliated colleges of GTU are participated, and received trainings on Sensors, PLC,

Hydraulics, Pneumatics, and Robotics Labs from certified experts from the well-known Industries. The training includes hands on practices. The training session was coordinated by **Prof. Margam Suthar**.

(5) On August 26th, 2021, the GTU-GSET started OWASP Student Chapter for program - Cyber Security. The Open Web Application Security Project (OWASP) is a non-profit organization based in the United States. This student chapter was established with the objectives to improve software security through open-source software projects, as well as sharing knowledge of the cyber security domain and raising cyber security awareness in order to build a strong ecosystem.

Webinar series by the Industrial expert:

The institute has organized webinars in different domains 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) Mr Varun Parikh, **Sales engineering manager,** at Sophos (with responsibility for the East, West, and South

Africa regions) has been invited to deliver an online expert session on "**Operating System-Level Vulnerabilities and**

Cyber Security Threats" on 17th July 2021. As a part of co-curricular activities, this session was arranged for students of ME

CE (Cyber Security) with an objective to aware students with the industry views on Operating System-level

vulnerabilities, Attack kill chain, How attackers exploit these vulnerabilities, Thinking beyond OS vulnerabilities, Setting up correct Cyber security posture and Detection and Response procedures. The session was coordinated by **Prof. S. D. Panchal** (Professor & Director, GTU-GSET) and total 23 students have attended participated in the session.

(2) Dr. Ashu Sharma, **Sr. Malware Analyst,** Panda Security, WatchGuard Technologies India, has been invited to present an online

expert session on "**Malware Analysis and Research**" on July 10th, 2021. The various Malware Detection Techniques

were discussed with hands-on practical examples in this expert talk. The current Malware Research challenges were discussed in order to encourage PG cyber security students to contribute to Malware Detection and Prevention Research. **Prof. Seema Joshi** coordinated the session and 25 students participated in the online talk.

(3) Mr. Manish Joshi, **General Manager,** Scientech Technologies Pvt. Ltd., Indore, has been invited to conduct an online expert session on "**Wireless Sensor Nodes and IoT Product Design Cycle**" on 6th July 2021. The session was intended for M.E. - EC students (MCNT). The speaker discussed the product design cycle of IoT, Importance of wireless sensor nodes in IoT architecture, Power management in WSN and IoT, Artificial Intelligence with machine learning and deep

learning, and Industry 4.0 in this session. **Prof. S. K. Hadia** had coordinated the session, which was attended by 17 students of the program.

Teacher's day celebration @GSET

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:

National/International level Representation

Prof. (Dr.) S. D. Panchal,
Professor,
Represented Gujarat Technological University at the APEN (Asian Professional Educational Network-Japan) brainstorming meeting on July 7 (Wednesday), 2021, 14:00 to 16:20 (JST, GMT+9), via Google Meet.

Faculty members as Resource Persons:

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

Engineering and Technology, Information Technology Department, Surat to deliver an expert session on **"Security Aspects of Operating Systems"** on 7th July 2021.

(2) Delivered a State Level expert talk on **"Quality Education, Accreditation and Teacher Development"** under National Education Policy - GTU

IQAC Webinar series on 6th August 2021.
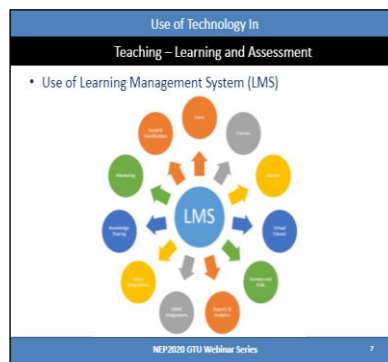
**(3)** Delivered a State Level expert talk on **"Use of Technology in Education"**

under National Education Policy - GTU IQAC Webinar series on 10th August 2021.

Prof. S. K. Hadia,
Associate Professor,
Delivered expert session on **"Bridge measurement Instruments and its Industrial Applications"** at CHARUSAT university on 2nd September 2021. In the session, various measurement instruments were discussed with their application as per the industry perspective.
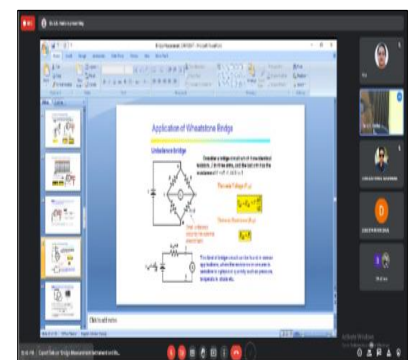
Technical & Non-Technical Contribution:

Faculty members of GTU – GSET have participated in more than 10 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,
(1) Played role of Chairperson of Board of Study for the PG Program Cybersecurity, MCNT and Internet of Things and contributed to frame the Outcome-Based Curriculum.
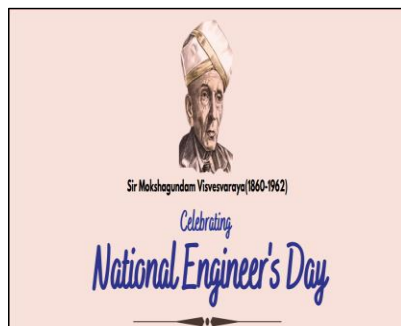
(2) Played role of Chairperson of Board of Study for the MSc Integrated Program at GTU and cre_ated a flexible program structure in which exit option provided to the student after 3 years as per the provision of National Education Policy.

(3) Served as a Jury member for 3rd GTU Tech-Guru Award Ceremony.

(4) Appointed as committee member to draft the Cybersecurity Policy for the Gujarat State on 1st September 2021.

Prof. S.K. Hadia,
Associate Professor,
Played a role in the recruitment process of Wireless PSI at the Police Bharti Board, Gandhinagar.

Prof. Deepak Upadhyay,
Assistant Professor,
Invited to serve as a judge and main instructor for an inter-college debate on the topic

"COVID-19: Finding the Middle Ground Between Safety and Data Privacy," organised by Rajkot Police. The debate featured four teams from Atmiya University, R.K University, Marwadi University,

and VVP College, with VVP College taking first place.

Prof. Mridul Seth,
Assistant Professor,
Coordinated an Inaugural Ceremony of the GTU – Bentley Education Centre. By collaborating with Bentley Systems, GTU has taken another step toward academic excellence. Students and faculty at GTU-affiliated institutes will be able to learn the software at their own pace and at no cost, as well as gain hands-on experience with academic

versions relevant to civil engineering and related fields.

Non-technical events:
(1) Engineer's Day was celebrated on September 15,

Sir Mokshagundam Visvesvaraya(1860-1962)
Celebrating
National Engineer's Day

2021, to commemorate the birth anniversary of Indian civil engineer Sir Mokshagundam Visvesvaraya. Visvesvaraya

graduated from Pune's College of Engineering. He was awarded the Bharat Ratna in 1955. For his contributions to the public good, King George V knighted him as a Knight Commander of the British Indian Empire (KCIE). The objective to celebrate this day is to inspire Indian students, particularly engineering students, to work hard toward their goals.

(2) GTU-GSET has decided to celebrate the birthday of the

staff members by serving the society in the different way instead of cake-cut celebration. Since last two months, the staff

member who had the Birthday, they distributed the education

kits for the kids of housekeeping staff of the institute. They donated 72 kgs of Jaggery to cows of Gaukunj Gir Gaushala, Motera, Ahmedabad with the staff members.

(3) On August 19, 2021, GSET staff members celebrated "Sainik Day" as part of their extracurricular activities. It was created to raise awareness of the various jobs performed by the armed forces, their contributions to the nation, and the military's role in civilian life. Staff members cresated the posters, and female staff members posted "Rakhi" tied with a letter to the military personnel at Hanuman Cantt in Ahmedabad.

GSET staff one day trip (Polo Forest):

On September 25, 2021, a tour of "Polo Forest" was planned for GTU-GSET faculty members. Faculty members and their families visited and explored Hindu and Jain temples such as Sharneshwar temple, the Polo Museum, the Vanaj Dam, and other historical sites in Polo. The tour was unique in that it allowed staff members to interact with one another outside of the college environment. It also aided the members in forming bonds with one another and their families.

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:

On September 6, 2021, the Techfest-Sports-Cultural Club of the institute celebrated Teacher's Day to recognize teachers' contributions to society and to pay tribute to all great teachers. The goal of this event is to celebrate Teacher's importance because teachers have always been a ray of hope in any situation, from guiding students to motivating them, and to express gratitude to all teachers on Teacher's Day. Total number of members present were 40.

Student Internship:

Mr. Brijesh Joshi, (Student, ME CE (Cyber Security), batch 2020) has been selected as a research intern at keycyber, India for the duration of 15.08.2021 to 15.01.2022

Ms. Payal Viras, (Student, ME CE (Cyber Security), batch 2020) has been selected as a research intern at BISAG, Gandhinagar for one year internship.

Ms. Zalak Thakkar, (Student, ME CE (Cyber Security), batch 2020), has been selected as a research intern at ISRO, Ahmedabad for one year internship.

Ms. Dhruvi Sukhadia, M.E. – EC (MCNT), batch: 2020-21 selected at DA-IICT, Gandhinagar for PG Internship.

Mr. Punit Acharya, M.E. – EC (MCNT), batch: 2020-21 selected at DA-IICT, Gandhinagar for PG Internship.

Ms. Shreya Patel, M.E. – EC (MCNT), batch: 2020-21 selected at Micro Circuit Technology, Ahmedabad for PG Internship.

Ms. Urmila Pariya, M. E. – EC (MCNT), batch: 2020-21 selected at Micro Circuit Technology, Ahmedabad for PG Internship

Ms. Nidhi Bhelose, M.E. – EC (MCNT), batch: 2020-21 selected at Space Application Centre – ISRO, Ahmedabad for PG Internship

Ms. Priyanshi Mehta , M.E. – EC (MCNT), batch: 2020-21 selected at Space Application Centre – ISRO, Ahmedabad for PG Internship

Ms. Dhara Parekh, Mr. Himanshu Solanki, Ms. Ankita Bhatt and Ms. Priyal Chavda (Student, ME CE (Cyber Security), and batch 2020) have been selected as a research intern at Virtually Testing Foundation, California, and USA for online internship.

 Mr. Manthan Mokat, (Student, ME CE (Cyber Security), and batch 2020) has been selected as a research intern at Forensic CyberTech Pvt Ltd, Gandhinagar.

Student Placement:

Ms. Trupti Pithva, M.E. - CE (Cyber Security) batch - 2019- 21, selected at Office of the Superintendent of Police, as a Jr. Engineer.

 Mr. Vihang Patel, M.E. - CE (Cyber Security) batch - 2019- 21, selected at Babaria Institute of Technology, BITS Edu. Campus, Vadodara, as an Assistant Professor.

Mr. Sharvik Joshi, M.E. - CE (Cyber Security) batch - 2019- 21, selected Tech defence labs Solutions Private Limited, Navarangpura, Ahmedabad, as an Intern - SOC Analyst.

Ms. Mittal Kapadiya, M.E. - CE (Cyber Security) batch - 2019- 21, selected at BISAG, Gandhinagar, as a Junior Research Fellow.

Mr. Krunal Patel, M.E. - CE (Cyber Security) batch - 2019- 21, selected at Connectwise, Pune, as a Security Analyst - L1.

Ms. Pooja Singh, M.E. - EC (MCNT) batch - 2019- 21, selected at GridScape Solutions, Baroda, as a Junior Data Analyst.
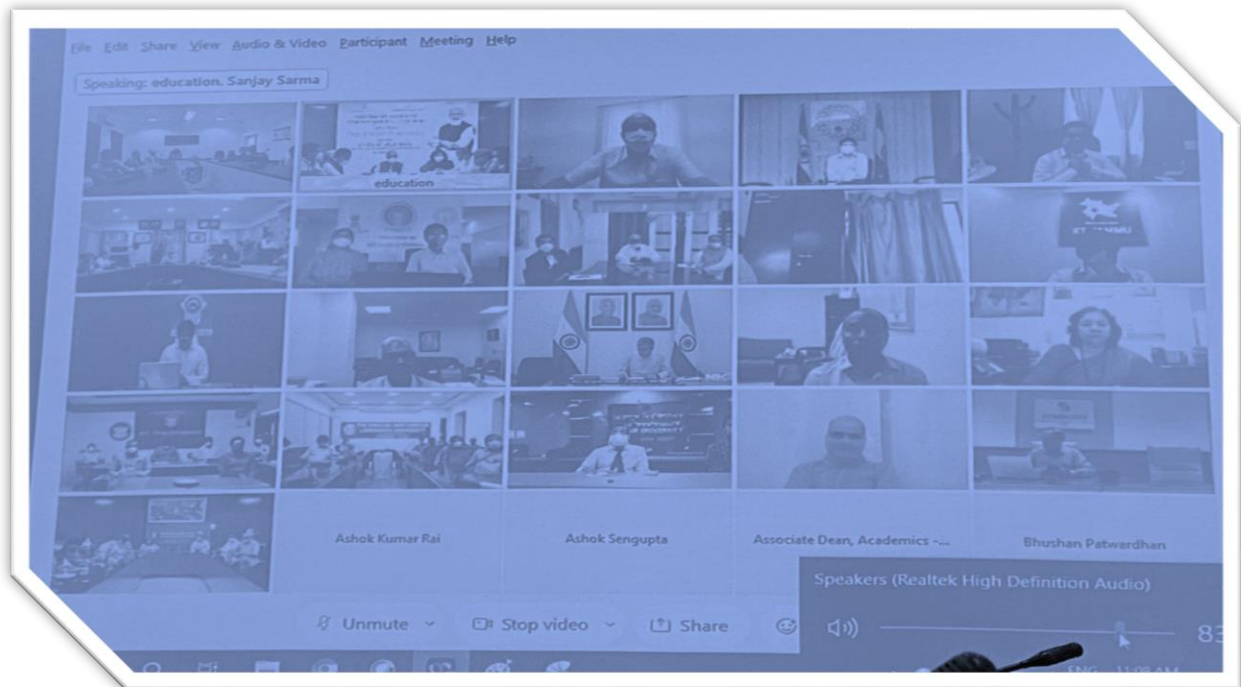
AICTE NEP program

RESEARCH PUBLICATION AND INNOVATION

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 Grant Received:

Prof. Raj Hakani & Prof. Rutika Ghariya,
Assistant Professor, Received Seed Money Grant of Rs. 1,00,000 for Research Project on " Modeling of Swarm Drone for Domestic & Commercial Application" for the duration of 5th July 2021 to 4th July 2022.

Prof. Deepak Upadhyay, Assistant Professor, & **Mr. Brijesh Joshi, (Student, ME CE (Cyber Security), batch 2020)** Received Seed Money Grant of Rs. 66,125/- for Research Project on "A structured approach to malware detection and analysis in digital forensics investigation" for the duration of 5th July 2021 to 4th July 2022

Research paper Published/reviewed:

Prof. Seema Joshi, Assistant Professor & **Prof. S. D. Panchal,** Professor, Published a research paper entitled "**Data deletion using non-retrievable bit sequence overwriting approach in cloud storage**" in Indian Journal of Computer Science and Engineering (Scopus Indexed Journal) on 20th August 2021

Prof. P.S. Maan, Associate Professor, Reviewed the manuscript "How informative is the Order Book Beyond the Best Levels? Machine Learning Perspective" for Knowledge-Based Systems, Elsevier. (WoS IF 8.038)

Prof. Gautam Makwana & Prof. S.K. Hadia, Associate Professor, Invited to serve as a reviewer for the 2021 International Conference on Data Analytics for Business and Industry (ICDABI) to be held on October 25-26, 2021. The University of Bahrain had organized the conference in collaboration with Liverpool John Moores University and the Bahrain IEEE Section.

Prof. Gautam Makwana, Associate Professor, Invited as a Reviewer for the Engineering Application for Artificial Intelligence, Elsevier Journal and reviewed a research paper on "Equations for Peano antennas".

Prof. Seema Joshi, Assistant Professor, Reviewed a paper for the Journal of Digital Forensics, Security, and Law (ADFSL), Florida), a peer-reviewed, multidisciplinary open access journal indexed by EBSCO and DOAJ.

Polo forest trip

An ultimate combo of 37 Kinds of sensors in a single kit. It is suitable for beginners who want to learn different types of sensors. These sensors are compatible with Arduino Boards.

LIBRARY NEW ARRIVALS

Professor's Blog:

Cracking the Code - Keys to grab an offer letter

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

Getting a dream job is every ones 'Dream', the dream begin with the day you opt for a course or program of your choice and grows with the span of time. Then the day come when you got a chance to make that dream possible, some of them make it, others hopes to make it for an another Day. Will they got the chance again or will they succeed, perhaps nobody knows. Here are some ways that will help you to grab the chance for you're so called 'Dream Job'.

Chances are not countless: Your Chances are countable. Remember, every chance is golden, make the most of it. Even if there is a probability to get another chance, it will not be the one that you got earlier .Every time the conditions will change; this is the beauty of Time.

Stay focused: The most vital thing which matters is your core strength, your subject expertise, so focus on it.

People with expertise are hard to neglect. Remember, in disaster, masters become more important that jacks, so everybody needs them.

Fight with your fear: Fear alone has the ability to destroy all the abilities, one possess. Fear will give rise to a sense of uneasiness even if there is no fire. Overcome fear with your positive outlook; do not let the fear overrule you.

Talk Positive: Organizations like people with positive flair. It do wonders for them, one side it rejoice the whole environment, the other side people stay motivated. To keep an organization moving these factors matter a lot.

Accept your weak points: Perfection is something hard to explain and different from expertise, don't even try to prove yourself 'Perfect' rather ready to accept what you are not or what you don't know. It will add value to your portfolio.

Art of communication: It really matters how you

present the things you already have as skills. Skills remain unknown until you present them with adequate communication skills. 'C-Skills' as they better known have now become an integral part of course of study of technical curriculum.

Dress for the 'Day': Your looks lay the foundation of a platform on which you perform later. This is the impression one makes before you start speaking about your goodness. It proves magical as you get the much need start up confidence.

Keeping these key points in mind, you can crack the code for your dream job but remember it only works when you have the right attitude and a clear vision for the future. Finally, in words of Ziad K. Abdelnour

"Never let success get to your head and never let failure get to your heart."

Happy Reading!

सैनिक

Komal D. Prajapati,
Lab Assistant, GTU-GSET

अरे ! तू क्यों इतना घभराता है अपनी जिंदगी की इन छोटी छोटी उलजनोंसे..
कभी एक सैनिक तरह जी के देख, कितना सुकून मिलता है अपने देश के लिए कुछ कर जाने से ||

जैसे तू अपने लिए और तेरे अपनों के लिए जीता और मरता है..
वैसे वो अपने देश के लिए जीते और मरते है ||

समस्याएँ चाहे कितनी भी कठिन हो, वो न कभी घभराते है और न कभी हार मानते है..
सिर्फ एक विश्वास के साथ की जो भी कर रहे है अपने देश के लिए कर रहे है ||

जैसा अपनापन तुम्हे अपने लिए और तेरे अपनों के लिए होता है..
वैसा अपनापन उन्हें अपने देश के लिए होता है ||

वैसे तो बड़े ही खुशनसीब होते है वो लोग जो अपने देश के लिए अपनी जान न्योछावर करते है..
लेकिन कभी उनके घरवालों से भी तो पूछ की केसा लगता है ||

जैसे वो अपने देश के लिए वफादार होते है, वैसे ही तू बस अपने आप से वफादार बन जा..
भले ही वो बॉर्डर वाला सैनिक मत बन, एक अच्छा इंसान ही बन जा ||

http://hindi.theindianwire.com/सेना-दिवस-सैनिक-राष्ट्र-बधाई-230312/

Glimps of sainik day celebration:

મૂળ માંડવીના પ્રોફેસર સ્વદેશી ફાઇવ-જી એન્ટેના વિકસાવશે

આવિષ્કાર માટે ગુજકોસ્ટ દ્વારા 22 લાખ ફાળવાયા

ભાસ્કર ન્યૂઝ | માંડવી

ઉચ્ચતર માધ્યમિક સુધીનો અભ્યાસ માંડવીમાં કરી એન્જિનિયરિંગ ક્ષેત્રે હાલે અમદાવાદમાં કાર્યરત મૂળ માંડવીના પ્રોફેસર વિદેશી 5-જી ટેક્નોલોજીને ટક્કર મારે તેવું 5-જી એન્ટેના વિકસાવશે. આ માટે તેમને ગુજરાત કાઉન્સિલ ઓફ ટેક્નોલોજી એન્ડ સાયન્સ દ્વારા 22 લાખની ગ્રાન્ટ ફાળવાઈ છે.

ખીમજી રામદાસ વિદ્યાલયમાં ઉચ્ચ માધ્યમિક સુધીનો અભ્યાસ અવ્વલ નંબર સાથે કરીને એન્જિનિયર બાદ પ્રોફેસર બનેલા ડો. ગૌતમ મકવાણા હાલે અમદાવાદની ગુજરાત ટેક્નિકલ યુનિવર્સિટીમાં ફરજ બજાવી રહ્યા છે. તેમણે દિવ્ય ભાસ્કર સાથે વાત કરતાં જણાવ્યું હતું કે, તેઓ

5-જી એન્ટેના વિકસાવી રહ્યા છે. તેમના આ એન્ટેનાથી એક કિલો મીટર સુધીના વિસ્તારમાં પ્રતિ સેકન્ડે 10 લાખ જેટલા ડિવાઇસ જોડાઈ શકશે. આ આવિષ્કાર માટે ગુજકોસ્ટ દ્વારા 22 લાખની ગ્રાન્ટ ફાળવાઈ છે. વિદેશી ટેક્નોલોજીને ટક્કર મારે તેવું સ્વદેશી એન્ટેના વિકસાવાશે તેવો દાવો તેમણે કર્યો હતો. ઉલ્લેખનીય છે કે, મૂળ માંડવીના પ્રાધ્યાપકના પિતા ખીમજી રામદાસ કન્યા વિદ્યાલયમાં ચિત્રના શિક્ષક તરીકે ફરજ બજાવતા હતા. આ શાળામાં જ અભ્યાસ કરીને આગળ વધેલા તેમના પુત્ર દ્વારા કચ્છને ગૌરવ અપાવે તેવું ઉપકરણ બનાવાઈ રહ્યું છે.

Development of 5G Antenna

રક્ષાબંધનની ઉજવણી: GTU જીસેટ દ્વારા દેશના સૈનિકોને રાખડી અને શુભેચ્છા સંદેશ પાઠવીને રક્ષાબંધન પર્વની ઉજવણી કરાઈ

અમદાવાદ   13 દિવસ પહેલા

Celebration of Rakshabandhan

GTUની ફાર્મસી, ઇજનેરી, IOT, સાઇબર સિક્યોરિટીમાં 8 નવા કોર્સ શરૂ કરશે

આઈઆઈટી લેવલના કોર્સ રહેશે, ફુલટાઇમ પીએચ.ડી કરનારને રૂ.25 હજારની ફેલોશિપ

ધો.12 સાયન્સ પાસે માટે ઇન્ટિગ્રેટેડ કોર્સ, એમએસસીના કોર્સ પ્રથમ વખત શરૂ થશે

Starting of New Courses

Advertisement for admission 2021-22

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.

About M.E. – Computer Engineering (Internet of Things)

VISION:

To create a research environment for producing socially responsible and technically sound technocrats, innovators and entrepreneurs in the field of Internet of Things and Artificial Intelligence.

MISSION:

- To develop state-of-art research facilities in Internet of Things and Artificial Intelligence with well-equipped academic infrastructure.
- To encourage faculty members to do research and consultancies in the field of Industry 4.0, Automation and IoT.
- To establish strong linkages with research organizations, Institute of national importance and Industries for advancement in the field of IoT.
- To promote innovative practices to produce innovators and entrepreneurs in the field of IoT, AI, and disruptive technologies.
- To leverage International linkage of Gujarat Technological University to establish strong international outreach for IoT, AI, and disruptive technologies.

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: 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)
Duration: 02 Years
Intake: 18
Inception Year: 2021

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