



Gujarat Technological University Graduate School of Engineering and Technology

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KANWASH

Reflection of GTU-GSET Activities



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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 January'2022 to March' 2022. Some of these programs include:

STTP/Seminars/Training program organized:

(1) GTU - Bosch Centre of Excellence in Automation



hosted a three-week industrial automation training program from February 14th to March 2nd, 2022. There were 13 students from various GTU associated colleges who received training in Sensors, PLC, Hydraulics, Pneumatics, and Robotics Labs from certified professionals from reputed industries. Hands-on exercises were included in the training. **Prof. Margam Suthar** (Assistant Professor) and **Mr. Jeet Joshi** (Skill Development Coordinator) coordinated the training session.

(2) On National Youth Day, January 12, 2021, a seminar named "विवेकानंद - व्यक्तित्व एवम विचार" was held, with **Shri. Harishbhai Thakker**, Trustee, Vishvasamvad Kendra, Ahmedabad, gave a keynote talk to the faculty members, staff, and students of GTU. The

purpose to organize this lecture was to raise awareness about Shri. Swami Vivekananda's life among GTU students, faculty members, and staff. The program was organized by



Prof. P S Mann (Associate Professor) and **Mr. Ranchhod Khambhala** (Librarian), and approximately 100 students, staff, and faculty members participated.

(3) On March 17th, 2022, **Ms. Manisha Guniyal** has been invited to conduct a counselling



session on "A initiative towards positive self." The session was held at GSET's Aryabhata seminar hall for GSET and GSMS faculty members. The goal to arrange such counselling sessions is to

facilitate employee's behavior change and their potential, improve their relationship with their colleagues and students etc. These nine sessions are being organized for various sections of GTU, and **Prof. Komal Borisagar** (Associate Professor) is in charge of arranging them.

(4) On February 28th 2022, GTU had organized an awareness workshop for the "Academic Collaboration with The Eduskills Foundation, In association



with ISTE Delhi" for The Globally Accredited Online Courses, Where more than 200 participants are joined from all various affiliated colleges. **Prof. Margam Suthar** (Assistant Professor) and **Mr. Jeet Joshi** (Skill Development Coordinator) coordinated the training session.

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), M.E. (IOT) 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. Abhishek Kumar Srivastava, Sr. Solution Architect, Exaleap Semiconductors, Bengaluru has been invited to deliver an online expert session on “**IOT Practical Examples to Interact with Physical World**” on 8th January 2021. This



session was organized as part of a skill enhancement program for ME CE (Internet of Things) and ME EC (MCNT) students with the goal of demonstrating IoT practical examples through various hands-on practises. **Prof. Seema Joshi** (Assistant Professor) organized the session, which was attended by a total of 25 students.

(2) Dr Yogesh Verma (SCI-ENG-SF), PPG-ITND, SAC-ISRO, Ahmedabad, has been invited to conduct an online expert session on “**Network security and research opportunities**” on January 1st,

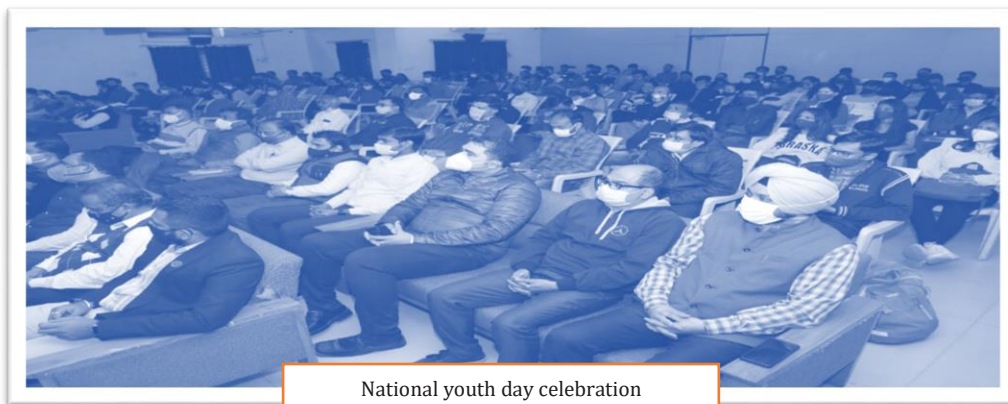


2022 under skill enhancement program. The topics like research opportunities in the field of wireless network and the basics of network security were discussed in this expert talk. **Prof. Komal Borisagar** (Associate Professor) coordinated the session and 30 students participated in this talk.

(3) Dr. Debabrata Datta, Senior Scientist-H (retired) & Former Head, Radiological

Physics & Advisory Division, Bhabha Atomic Research Centre, Mumbai has been invited to deliver an online expert talk on “**Fundamentals of Machine Learning and its Applications in Decision Making**” on 4th January 2022. As a part of skill enhancement program, this session was arranged for students of Post graduate diploma in data science with an objective to provide the importance of ML algorithms in present applications and the use of ML for decision making. **Prof. Mahesh Panchal** (Assistant Professor) has coordinated the session and around 42 students and faculty members have attended this lecture.

Source	Degree of Freedom	Sum of squares	Mean square	F statistic
Regression (Model)	1 = DFR	SSR	MSSR = SSR/DFR = 153.12	MSSR/MSE = 128.51
Residual (Error)	N-2 = DFE	SSE	MSE = SSE/DFE = 1.19	
Total	N-1 = DFT	SST	MST = SST/DFT = 8.325	



National youth day celebration

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 three months. Some of the distinctions include:

National/International level Representation:

Prof. (Dr.) S. D. Panchal, Professor, Participated in Asia Specific Professional Educational Network (APEN) Extra-Ordinator Board Meeting as an invited Indian director on 10th March 2022.

Prof. Mahesh Panchal, Assistant professor, Nominated as Rapporteur in International Conference of Academic Institutions under Vibrant Gujarat Education



Summit-2022 during 4th January 2022 to 6th January 2022. The conference was arranged with an aim to provide a platform to academicians, researchers, and students around the globe to deliberate on diverse perspectives of the NEP - 2020 and its role in transforming Higher and Technical Education.

Award/Appreciation received:

Prof. (Dr.) S. D. Panchal, Professor, Elevated as a Senior



IEEE Member on 19th February 2022.

Prof. S. K. Hadia, Associate Professor, (1) Received CHARUSAT research paper award for the year 2020 by CHARUSAT University, Changa for the research paper titled "Creation of Speech Corpus for emotion analysis in Gujarati Language and its evaluation by various speech parameters" on 28th January 2022.

(2) Received CHARUSAT research paper award for the year 2020 research paper award by CHARUSAT University, Changa for the research paper titled "M-RPSS: A modified RPSS for path scheduling of mobile sink in wireless sensor network" on 28th January 2022.

Prof. Gautam D. Makwana, Associate Professor, (1) Winner of Table Tennis Tournament held during GTU Sport Week from 03rd to 05th March, 2022.

(2) First runner-up of Chess Tournament held during GTU Sport Week from 03rd to 05th March, 2022.

Prof. Deepak Upadhyay, Assistant professor, First runner-up of Table Tennis Tournament held during GTU Sport Week from 03rd to 05th March, 2022.



Prof. Mahesh Panchal, Assistant professor, Won third prize in elocution competition organized on "Vishva-Matrubhasa divas" on 21st February 2022.

Faculty members as Resource Persons:

Prof. (Dr.) S. D. Panchal, Professor, (1) Invited as a resource person to deliver an expert session on "Cyber-Physical Systems Security: Limitations, Issues and Future Trends" on 19th January 2022 during the AICTE - ATAL Faculty Development Program (national level program) on "Security in



Blockchain and Cyber Physical Systems Design” organized by Computer Engineering Department – GEC Rajkot.

(2) Conducted an Awareness Program on "AICTE Doctoral Fellowship (ADF) Scheme for Full Time Ph.D. Program"



organized by ADF center, GTU with the goals of informing participants about the ADF schemes' objectives, improving research outcomes at the university level, and increasing full-time Ph.D. scholars at the university. The program was attended by Dean, Associate Dean, Members of Board of Studies, Principals of affiliated colleges, HoD of various departments, Ph.D. Supervisors, PG students and UG students of GTU. The session was managed by **Prof. Gautam Makwana** (Associate Professor).

Prof. Seema Joshi, Assistant Professor, (1) Invited by C-DAC, Hyderabad, to deliver a virtual talk on "The Cyber Security Awareness Session" (national level program) for Union Bank of India employees and customers on January 17, 2022, as part of the Information Security Education and Awareness Project.

(2) Invited as a resource person to deliver an expert session on "Cloud Computing Security using Blockchain" on 19th January 2022 during the AICTE – ATAL Faculty Development Program (national level program) on "Security in Blockchain and Cyber Physical Systems Design" organized by



Computer Engineering Department – GEC Rajkot.

Prof. P. S. Mann, Associate Professor, (1) Delivered an online expert session on "Artificial Bee Colony - A metaheuristic approach" on 18th January 2022 during STC



on "Bio Inspired Optimization Techniques" (national level program) at NITTTR, Chandigarh.

(2) Delivered an online expert session on "Cybersecurity in FinTech" on 10th March 2022 during AICTE-GTU sponsored FDP (national level

program) on "Technology



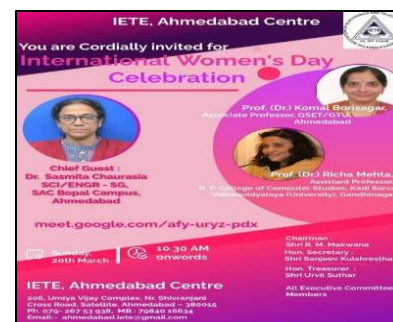
Applications in Finance (FinTech)" at GSMS.

Prof. Mahesh Panchal, Assistant professor, Invited as a resource person to train the participants about **Blockchain**



Technology in 5-days virtual workshop on "Blockchain Technology" organized by Design Innovation Centre, GTU during 17th January 2022 to 22nd January 2022.

Prof. Komal Borisagar, Associate Professor, Delivered an online expert



lecture on "Gender Equality for



Sustainable Tomorrow” on 20th March 2022 in the talk organized by IETE Centre Ahmedabad as a part of International women's day celebration.

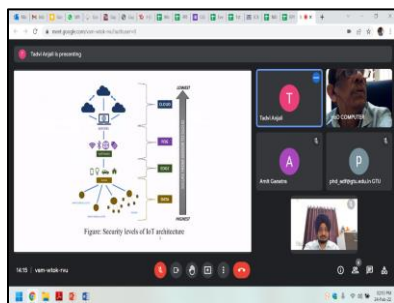
Mr. Jeet Joshi, Skill Development Coordinator, Provided AWS Academy: Foundation course Training on Compute Services, Networking & Content Delivery Services, Migration & Transfer Services, Storage Services, Database



Services to the students (20 students) of GTU -GSET.

Technical & Non-Technical Contribution:

Faculty members of GTU – GSET have participated in more than 5 technical



seminars/workshops/FDPs/ST TPs. They have also contributed in various technical and non-technical activities. Some of the distinctions include:

Prof. P. S. Mann, Associate Professor, (1) Coordinated Research Proposal Presentation (RPP) for Computer Science eligible candidates under AICTE doctoral Fellowship (ADF) on 24th February 2022.

(2) Received a professional membership (International level) of Association of



Computing Machinery (ACM) - the world's largest scientific computing society on 3rd March 2022.

Prof. Mridul Seth, Assistant Professor, (with Prof. Ravi



Patel & Prof. Pranav Bhangaonkar) coordinated the competition of National Environment Youth Parliament (NEYP) 2022 of Region 5 i.e. Gujarat & Maharashtra state by Paryavaran Sanrakshan Gativithi during 12th January 2022 to 1st February 2022 under the guidance of Prof. S. D.

Panchal, Director GTU-GSET. NEYP is organized with an objective to raise the concerns of youth among the society, those which are related to environment protection and its impact. An elocution competition was organized in which students have to share a two minutes opening statement followed by the group discussion. Through this competition, students were able to understand the diplomacy, bureaucracy and get aware about the current issues related to the environment. The event was graced by the Hon'ble Chancellor and Hon'ble Vice Chancellor of various universities.

Prof. Deepak Upadhyay, Assistant Professor, Visited system Level Solutions (India) Pvt. Ltd. On 23rd February 2022.



The company's technical experts demonstrated their ongoing projects and frameworks, such as YALGAAR, NEBULAE, SUNSIGHTS, and Verde Mobility (The Electric Charger), that they have developed in recent years.

Prof. Komal Borisagar, Associate Professor and **Prof. Rutika Ghariya, Assistant Professor,** Visited Masibus automation & instrumentation



pvt. Ltd (one of the top automation companies in India, dealing in industrial automation and



instrumentation products and solutions catering to metal, cement, power, chemical, pharma, oil & gas and other industry verticals) on 28th February 2022. The discussion was held with Mr. Sandip Patel (Manager, R & D) and Mr. Harshit Thakar (Technical Engineer) regarding Internship and placement opportunities for the students of GSET.

Prof. Gautam Makwana, Prof. P S Mann, Prof. Seema Joshi, Prof. Mahesh Panchal, Prof. Deepak Upadhyay, Visited

Electronics and Mechanical Engineering School (EMES), Vadodara on 2nd March 2022 to understand the problem statements of Weapon Technology as a part of Institutes' collaborative research work.

Prof. Komal R. Borisagar, Associate Professor and Prof. Seema B. Joshi, Assistant Professor, Coordinated event of "International Women's Day"



on 8th March 2022 organized by Vidushi gargi-centre for women development, GTU. Students, staff and faculties of GSET have attended the sessions of prominent speakers like Pabiben Rabari (Entrepreneur)

and Smt. Sonalben Modi (Renowned Writer).

Prof. Seema Joshi, Assistant Professor and Prof. Rutika Ghariya, Assistant Professor, Coordinated GTU Alumni Web Meet – 2022 on 12th February 2022 organised by GTU-Alumni



association. Dr. Satyendra Kumar (Chief Manager-Faculty, Bank of Baroda, Bhopal), Dr. Deepak Kumar (Assistant Professor, EME School, Ministry of Defense, GoI, Baroda), Mr. Harsh Dattani (Program Manager, Google, Bengaluru), and others delivered the sessions. GSET alumni have also provided feedback and suggestions in order to strengthen the alumni cell.



Holi celebration

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:

(1) Gujarat Vidyapith was established by Mahatma Gandhi in 1920, during the non-cooperation movement against British Rule to impart the National Education and to



prepare young constructive workers. This historical institution has also completed its glorious journey of 100 years recently. In honor of the "Azadi ka Amrit Mahotsav," which commemorates the completion of a 100-year journey and pays tribute to Mahatma Gandhi, Gujarat Vidyapith has launched a one-of-a-kind "Heritage Walk of Gujarat Vidyapith" on Saturdays, with the goal of bringing their glorious history

and unique heritage to the Society, Nation, and World. GSET's Techfest-Sports-Cultural Club has invited faculty, staff, and students from Cyber Security, IoT, MCNT, and Data Science to participate in this unique initiative. GTU-GSET has also decided to celebrate the birthdays of its employees in a unique way by participating in social work/activities. Employees with birthdays in the last three months, as well as other staff/faculty members and students, took part in the "Heritage Walk of Gujarat Vidyapith" in Ahmedabad on February 19th, 2022.

(2) GTU has arranged a three-day GTU Sports Fest 2022, 2nd Edition at the Chandkheda Campus from March 3rd to March 5th, 2022. Teaching, non-teaching staff, and students from several PG Schools (GSET, GSMS, GSP, SAST) participated in a variety

of sports such as cricket, volleyball, badminton, table



tennis, and other fun games such as musical chair, lemon spoon, sack race, and so on. Techfest-Sports-Cultural Club of GSET has organized practice sessions of cricket, volleyball, badminton, chess, and carrom for all GSET staff, faculty members and students at the campus in preparation for Sports Fest 2022.





Student Internship:

Ms. Vidhi Rajput, Ms. Bhumi Patel, and Ms. Jyoti Singh (Students, ME CE (Cyber Security), batch 2021) have been selected in Margdarshan4U Internship (Virtual Mode) under the guidance of **Dr. Ashu Sharma**, Sr. Malware Analyst and Researcher, WatchGuard Technologies, Noida.



Ms. Vidhi Rajput



Ms. Bhumi Patel



Ms. Jyoti Singh

Student Placement:



Mr. Hardik Patel, M.E. - CE (Cyber Security) batch - 2017, selected at Net-Square Solutions Pvt. Ltd., Ahmedabad as a Security Analyst.

Ms. Smita, M.E. - CE (Cyber Security) batch - 2020- 22, selected at Alpha Institute of Technology, Ahmedabad, as an Assistant Professor.



Ms. Khushboo Thakkar, M.E. - CE (Cyber Security) batch - 2020- 22, selected at Silver Oak University, Ahmedabad, as an Assistant Professor.

Mr. Milind Shah, M.E. - CE (Cyber Security) batch - 2020- 22, selected at School of computer science engineering and technology, ITM Baroda, as an Assistant Professor.





Mr. Dhaval Trivedi, M.E. - CE (Cyber Security) batch - 2020- 22, selected at Copart India Pvt. Ltd., Hyderabad, as an Intern.



Mr. Arun Panikar, M.E. - CE (Cyber Security) batch - 2020- 22, selected at Accenture, Bengaluru, as an Intern.



Mr. Brijesh Joshi, M.E. - CE (Cyber Security) batch - 2020- 22, selected at Accenture, Bengaluru, as an Intern.



Ms. Purna Sheth , M.E. - EC (MCNT) batch - 2020- 22, selected at Tech Mahindra, Mumbai, as an Intern.



Ms. Shreya Patel, M.E. - EC (MCNT) batch - 2020- 22, selected at Micro Circuit Technology, as DFT (Design for testability) Engineer.



Ms. Urmila Pariya, M.E. - EC (MCNT) batch - 2020- 22, selected at Micro Circuit Technology, as DFT (Design for testability) Engineer.

RESEARCH CONTRIBUTION

Research is the parameter that 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 & Patent:

Prof. R. A. Thakker, Adjunct Professor, (1) Submitted and received acceptance for a research paper entitled "**Design and Simulation of CCII based CMOS current comparator in 130nm technology**" in the 6th International conference on Devices, Circuits and Systems (ICDCS), 2022, which will be held on 21st and 22nd April 2022 at Karunya Institute of Technology and Sciences, Coimbatore, India.

(2) Reviewed a paper entitled "**CASR-Net: A Color-Aware Super-Resolution Network for Panchromatic Image**", (Manuscript Number: EAAI-22-120) submitted to the journal named Engineering Applications of Artificial Intelligence, Elsevier during 13th January 2022 to 31st January 2022.

Prof. P. S. Mann, Associate Professor, (1) Reviewed manuscript titled "**Dimension Learning Based Chimp Optimizer for Energy Efficient Wireless Sensor Networks**" for Knowledge-Based Systems, Elsevier.

(SCI/WoS - IF 8.038) during 2nd January 2022 to 11th January 2022.

(2) Reviewed manuscript titled "**Fake news detection and classification using artificial intelligence and machine learning**", Cluster Computing, Springer. (SCI/WoS - IF 1.809) during 6th January 2022 to 11th January 2022.

(3) Reviewed manuscript titled "**Role of Swarm Intelligence Algorithms on Secured Wireless Network Sensor Environment - A Comprehensive Review**", Journal of Current Science and Technology (Scopus/TCI/ACI) during 8th January 2022 to 10th January 2022.

Prof. Komal Borisagar, Associate Professor, (1) Published Research article titled "**Optimization of Polar LDPC Codes for 5G Modeling**" in Stochastic Modeling & Applications journal (ISSN: 0972-3641) during 1st January 2022 to 15th January 2022.

(2) Published Research article titled "**Hardware Implementation of CNN based Speech Enhancement Technique**" in Stochastic Modeling & Applications journal (ISSN: 0972-3641) during 1st January 2022 to 15th January 2022.

(3) Patent granted on "**Optimized Informative**



Mirror" by Patent office, Government of India for the 20 years under the patent act 1970 (Application number: 202021047179).

Prof. Mahesh Panchal, Assistant Professor, Reviewed a manuscript for International Journal of Electronic Security and Digital Forensics (indexing in Scopus (Elsevier), ACM Digital Library etc.) on 16th March 2022.

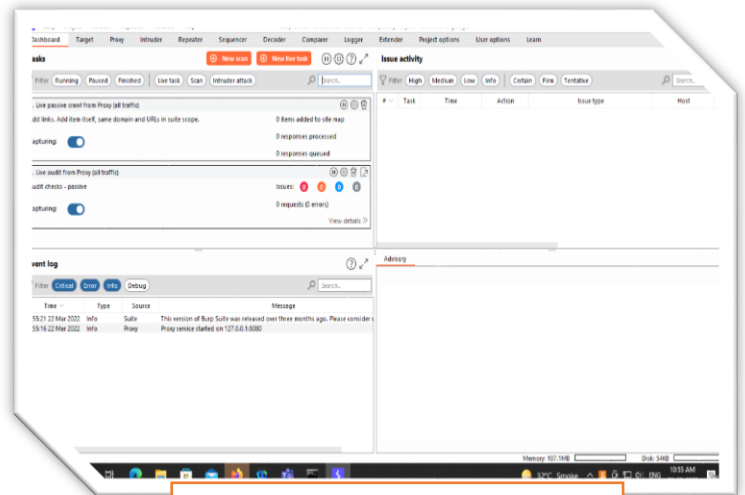


NEW ARRIVALS

LABORATORY NEW ARRIVALS:

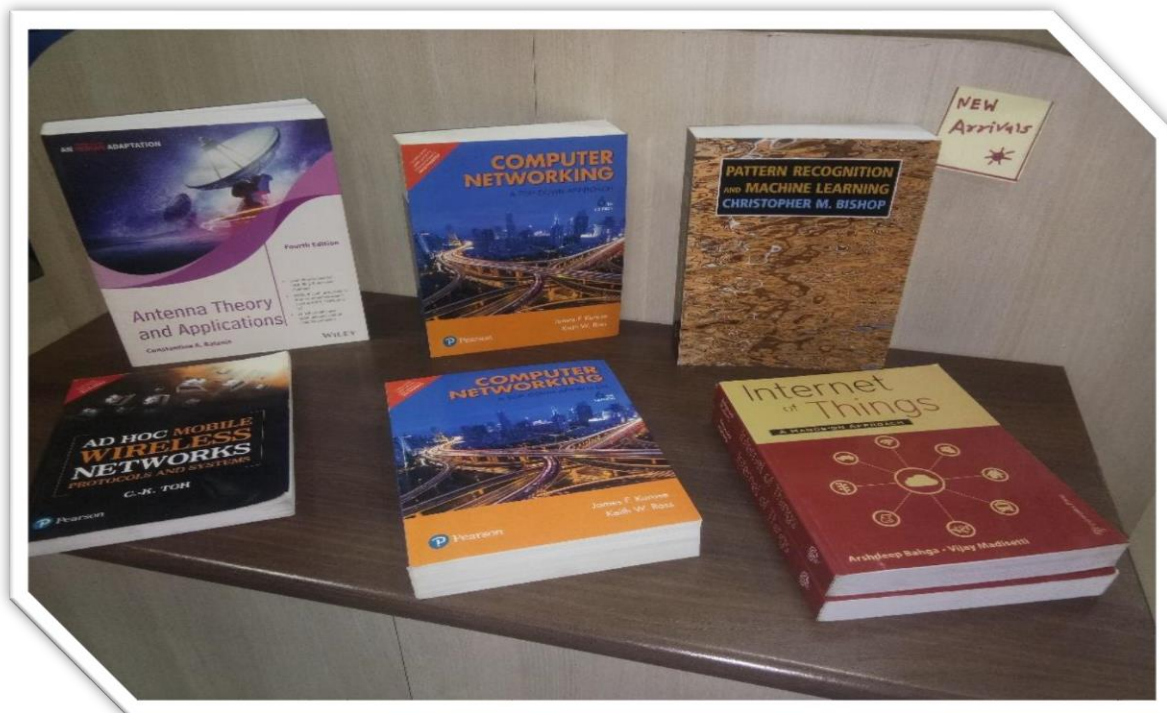


IOT Builder kit for smart solutions



Burp Suite professional v2021.9

LIBRARY NEW ARRIVALS:



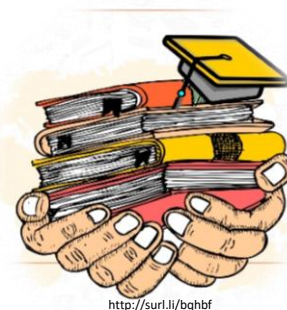
Professor's Blog:

Glimpses of National Education Policy 2020

Dr. R. A. Thakker

Adjunct Professor, GTU-GSET

The entire world is experiencing new and advanced technology almost everyday. The way of teaching and learning has also changed drastically, and the same is experienced by all us during a period of pandemic. With the development of technology, the skills required by the industries are very demanding, challenging, as well as continuously and significantly changing on consistent basis. There is an acute need of people with multi-disciplinary knowledge and skills as well as keen to contribute in the development of nation which demands manpower possessing characteristics of self-learning, critical thinking, in-depth study, real-life problem solving skills, and research and innovation approach. It needs that entire education system has to change considerably with availability of multiple options and has to be more experiential. In order to address these objectives, and to achieve critical targets and goals (SDGs) of the 2030 Agenda for Sustainable Development; the national education policy 2020 is released by MHRD, Govt. of India.



The entire document of NEP 2020 is divided into four parts: (1) School Education, (2) Higher Education, (3) Other Key Areas of Focus, and (4) Making it Happen.

The vision of NEP 2020 is to develop an education system that transforms our country into an equitable and vibrant knowledge society, by providing high-quality education to all, and thereby making India a global knowledge superpower. The Policy envisages that the curriculum and pedagogy of our institutions must develop among the students a deep sense of respect towards the Fundamental Duties and Constitutional values, bonding with one's country, and a conscious awareness of one's roles and responsibilities in a changing world.

The policy's vision also includes shifting of higher education system towards consisting of large, multidisciplinary universities and colleges, with at least one in or near every district, and with more HEIs across India that offer medium of instruction or programmes in local/Indian languages. It also emphasizes the revamping curriculum, pedagogy, assessment, and student support for enhanced student experiences as well as incorporation of multiple-entry multiple-exit option and establishment academic bank of credit.

The following are some of the salient features of NEP 2020 with respect to Higher Education System:

- Recognizing, identifying, and fostering the unique capabilities of each student
- Promote each student's holistic development in both academic and non-academic spheres
- Creativity and critical thinking to encourage logical decision-making and innovation
- Extensive use of technology in teaching and learning, removing language barriers, and increasing access for Divyang students
- Respect for diversity and the local context in all curriculum, pedagogy, and policy design
- Firmly establish pride in India, and its rich, diverse, ancient, modern culture and traditions.

Reference: National Education Policy 2020, MHRD, Govt. of India,
https://www.education.gov.in/sites/upload_files/mhrd/files/NEP_Final_English_0.pdf
https://www.ugc.ac.in/pdfnews/5294663_Salient-Featuresofnep-Eng-merged.pdf

પર્યાવરણપ્રેમી ટેકનોકેટ્સ

મહેશ એચ. પંચાલ , Assistant Professor, GTU-GSET

સામાન્ય રીતે આપણને જે વારસામાં મળે અથવા તો પ્રયત્ન વિના મળે તેનું કોઈ મૂલ્ય લાગતું નથી. આપણે તે દરેક વસ્તુઓનો ભરપૂર ઉપયોગ કરવામાં તો કોઈ કસર છોડતા નથી પરંતુ જ્યારે એની જાળવણીની વાત આવે ત્યારે મોટે ભાગે દુર્લભ સેવતા હોઈએ છીએ.

પર્યાવરણ અને તેની સાથેના કુદરતી સ્ત્રોતો એ દરેક સજીવને મળેલી મોટામાં મોટી કુદરતી ભેટ છે. ઓક્સીજનની ઉણપથી આપણી શું સ્થિતિ થાય એ આપણે કોરોનાની મહામારી દરમિયાન આપણી નજરસમક્ષ જોઈ લીધું. પાણી વિના કદાચ અમુક કલાક સુધી ચલાવી શકાય પરંતુ તેને ટાળી તો ના જ શકાય. આ દરેકે દરેક કુદરતી સ્ત્રોતોના ઉપયોગની સાથે સાથે તેની યોગ્ય જાળવણી કરવી એ આપણી નૈતિક ફરજ છે. મનુષ્ય પાસે બુદ્ધિનો ભરપૂર ખજાનો હોવાથી તેણે પોતાની સગવડતા માટે તેમજ આરામદાયક જીવન જીવવાની આશા સાથે અનેક વૈજ્ઞાનિક શોધો કરી. જેમ જેમ આપણે વિજ્ઞાન અને ટેકનોલોજીમાં હરણફાળ ભરતા ગયા તેમ તેમ પર્યાવરણની જાળવણી પ્રત્યે અમુક અંશે ઓછું ધ્યાન અપાતું ગયું. અમુક ઉપકરણો કોઈ ચોક્કસ હેતુ માટે શોધાયા હતા પરંતુ આપણે તેનો બહુલક્ષી ઉપયોગ કર્યો કે એવી કોઈ જરૂરિયાત હતી જ નહીં. પરિણામ એ આવ્યું કે પર્યાવરણ પણ આપણી સાથે સ્પર્ધામાં ઉતર્યું અને એના લીધે આપણને તેના માઠા પરિણામોના ભોગ બનવું પડ્યું. ઉનાળાના તાપથી બચવા આપણે એર કન્ડિશનર વાપરવાનું શરૂ કર્યું તો તેની આડઅસરરૂપે પર્યાવરણનું તાપમાન પણ વધ્યું.



<http://surl.li/bqhsi>

સાવ એવું તો નથી જ કે પર્યાવરણ પ્રત્યે દુર્લભ રાખીને વિજ્ઞાન અને ટેકનોલોજીમાં પ્રગતિ કરી શકાય. આપણો ભારત દેશ તો ખૂબ પ્રાચીન ધરોહર ધરાવે છે અને આપણને એનું ગૌરવ છે. પ્રાચીન ભારતમાં પણ વ્યક્તિઓની સગવડતા માટે વિવિધ ઉપકરણો અસ્તિત્વ ધરાવતા હતા. કદાચ આજના વિજ્ઞાન કરતાં તે સમયના વ્યક્તિઓની સૂઝ-બૂઝ અલગ હોઈ શકે પણ એક વાત તો ચોક્કસ નોંધવી પડે કે પ્રાચીન સમયમાં પર્યાવરણને સુખ-સગવડતા ની સરખામણીમાં અગ્રતાક્રમ અપાતો.

આજે પણ આપણાં ટેકનોકેટ્સ જો ટેકનોલોજિકલ ઉપકરણોની બનાવટમાં વૈજ્ઞાનિક સિદ્ધાંતો ની સાથે સાથે એક પર્યાવરણપ્રેમી તરીકે પર્યાવરણને સહેજ પણ નુકસાન ના થાય તેવો અભિગમ રાખે તો આપણે આવનારી પેઢીના સ્વાસ્થ્ય માટે કૈંક પ્રયત્ન કર્યો એમ કહેવાશે.



સાઈબર સિક્યો.ના શોર્ટ ટર્મ કોર્સ શરૂ કરાશે જીટીયુએ દિલ્હીની એજ્યુ સ્કિલ સાથે 17 MOU કર્યા વિદ્યાર્થીઓને રોજગારીની વધુ તકો મળશે

એજ્યુકેશન રિપોર્ટર | અમદાવાદ

જીટીયુ અને દિલ્હી સ્થિત એજ્યુ સ્કિલ વચ્ચે 17 જેટલા સ્કિલ બેઝડ કોર્સ અંતર્ગત એમઓયુ કરવામાં આવ્યા છે. જે અંતર્ગત મશીન લર્નિંગ, એઆઈ, ક્લાઉડ, નેટવર્ક અને સાઈબર સિક્યોરિટી સહિતના શોર્ટ ટર્મ કોર્સ શરૂ કરવામાં આવશે. ગ્લોબલાઈઝેશનને કારણે આંતરપ્રિન્ચોર્સ અને પ્રોફેશનલ્સ માટે સ્કિલ આધારિત અનેક તકો ઉપસ્થિત થયેલ છે. આ એમઓયુ થકી વિદ્યાર્થીઓની સ્કિલમાં વધારો થશે જે આત્મનિર્ભર ભારત સંકળાયેલી કોલેજોમાં પણ આ અંગે જાગૃતિ કેળવાય તે માટે સેમિનારનું એજ્યુ સ્કિલ સાથે કરવામાં આવેલા

આ એમઓયુથી ગ્લોબલી એક્રેડિટેડ અન્ય 6 સંસ્થાઓ સિસ્કો નેટવર્કિંગ એકેડમી, બ્લુ પ્રિન્સિપલ યુનિવર્સિટી, એમેઝોન વેબ સર્વર, ડેડ હેટ એકેડમી, માઈક્રોચીપ અને પોલો અલ્ટો સાઈબર સિક્યોરિટી એકેડમી જેવી સંસ્થાઓના વિવિધ કોર્સ જીટીયુ ગ્રેજ્યુએટ સ્કૂલ ઓફ એન્જિનિયરીંગ એન્ડ ટેકનોલોજીના (જીસેટ) વિદ્યાર્થીઓ વિનામૂલ્યે કરી શકશે. સ્કિલ બેઝડ અને રોજગારલક્ષી કોર્સ આગામી દિવસોમાં ઓનલાઈન માધ્યમ થકી જીટીયુ જીસેટના વિદ્યાર્થીઓ કરી શકશે. જીટીયુ સાથે સંકળાયેલી કોલેજોમાં પણ આ અંગે જાગૃતિ કેળવાય તે માટે સેમિનારનું પણ આયોજન કરાશે.

MOU with Edu-skills

જીટીયુ અને એજ્યુકેશનલ સ્કિલ વચ્ચે ૧૭ સ્કિલ બેઝડ કોર્સ અંતર્ગત એમઓયુ કરવામાં આવ્યાં

જીટીયુ મશીન લર્નિંગ, એઆઈ, ક્લાઉડ, નેટવર્ક અને સાઈબર સિક્યોરિટીના શોર્ટ ટર્મ કોર્સ શરૂ કરાશે

કોવિડ-૧૯એ સ્કિલ બેઝડ લર્નિંગને વધારે મહત્વ સમજાવ્યું છે. જેના કારણે હવે ડિઝિટીની સાથે સ્કિલ પર્સન બનવું અનિવાર્ય બન્યું છે. જે બાબતને ધ્યાનમાં રાખીને ગુજરાત ટેકનોલોજિકલ યુનિવર્સિટી (જીટીયુ) દ્વારા વિવિધ વિષયોને સાંકળીને વિદ્યાર્થીમાં સ્કિલ આધારિત કોર્સની જાગૃતતા કેળવાય તે હેતુસર વિવિધ કંપની સાથે એમઓયુ કરવામાં આવે છે. તાજેતરમાં જ જીટીયુએ દિલ્હી સ્થિત એજ્યુ સ્કિલ સાથે વિવિધ ૧૭ સ્કિલ બેઝડ કોર્સ અંતર્ગત એમઓયુ કર્યા છે. આ સંદર્ભે જીટીયુના કુલપતિ પ્રો. ડૉ. નવીન શેઠે જણાવ્યું હતું કે, ‘ગ્લોબલાઈઝેશન કારણે આંતરપ્રિન્ચોર્સ અને પ્રોફેશનલ્સ માટે સ્કિલ આધારિત અનેક તકો ઉપસ્થિત થયેલ છે. આ એમઓયુ થકી વિદ્યાર્થીઓની સ્કિલમાં વધારો થશે. જે આત્મનિર્ભર ભારત અભિયાનને વેગ પૂરો પાડશે.’ આ એમઓયુ પર જીટીયુના કુલસચિવ ડૉ. કે. એન ખેર, એજ્યુ. સ્કિલના સીઈઓ સુભાષિત જગાદેવ અને ઈન્ડિયન સોસાયટી ઓફ ટેકનિકલ એજ્યુકેશનના પ્રેસિડેન્ટ ડૉ. પ્રતાપસિંહ ટેસાઈએ હસ્તાક્ષર કર્યા હતાં.



GTU to launch skill-based courses

જીટીયુના ગોલ્ડમેડાલિસ્ટે કહ્યું, સેલ્ફ સ્ટડી, ટાઈમ મેનેજમેન્ટથી ધાર્યું પરિણામ મેળવ્યું

ગુજરાત ટેકનોલોજિકલ યુનિવર્સિટી (જીટીયુ) નો સભાનિર્ણય ૧૨ ઓ પબ્લીક લખાણ સેમિનારમાં વિવિધ મેડલિસ્ટ મુદ્દાઓ પર વિદ્યાર્થીઓને સહાયતા આપવાનું કરવામાં આવી હતી. જેમાં ગોલ્ડમેડાલિસ્ટે કહ્યું કે, ‘સેલ્ફ સ્ટડી, ટાઈમ મેનેજમેન્ટ અને ધાર્યું પરિણામ મેળવવાનું છે.’

મુક્તિ, લેગ અને મોટિવેશન કમની જતી
ગોલ્ડમેડાલિસ્ટે કહ્યું કે, ‘સેલ્ફ સ્ટડી, ટાઈમ મેનેજમેન્ટ અને ધાર્યું પરિણામ મેળવવાનું છે.’

મોટા ખાતેને MBAs માં મેન્ડેટ મેળવ્યા હતા
ગોલ્ડમેડાલિસ્ટે કહ્યું કે, ‘સેલ્ફ સ્ટડી, ટાઈમ મેનેજમેન્ટ અને ધાર્યું પરિણામ મેળવવાનું છે.’

સંભળ્યા માટે ટાઈમ મેનેજમેન્ટ જરૂરી
ગોલ્ડમેડાલિસ્ટે કહ્યું કે, ‘સેલ્ફ સ્ટડી, ટાઈમ મેનેજમેન્ટ અને ધાર્યું પરિણામ મેળવવાનું છે.’

GTU Convocation (GSET Gold-medalist)



Celebration of National Youth Day

જીટીયુ દ્વારા એક પ્લેટફોર્મ પર એલ્યુમ્ની સ્ટુડન્ટ્સ ભેગા થશે જીટીયુ દ્વારા એલ્યુમ્ની વેબ પોર્ટલ અને એપ્લિકેશન લોન્ચ કરવામાં આવશે

સિટી લાઈફ : ગુજરાત ટેકનોલોજિકલ યુનિવર્સિટી (જીટીયુ) દ્વારા તેમની સંસ્થામાં અભ્યાસ કરીને અત્યારે ટોચના સ્થાને બેઠેલા તેમના વિદ્યાર્થીઓને બિરદાવવા માટે જીટીયુ દ્વારા દર વર્ષે એલ્યુમ્ની મીટનું આયોજન કરવામાં આવે છે. પરંતુ વર્તમાન પરિસ્થિતિને ધ્યાનમાં રાખીને જીટીયુના એલ્યુમ્ની એસોસિએશન દ્વારા ડિજિટલ પ્લેટફોર્મ પર એન્યુઅલ એલ્યુમ્ની વેબમીટ-૨૦૨૦નું આયોજન ૧૨ ઓક્ટોબરે

કરવામાં આવ્યું છે. આ અંગે વાત કરતા જીટીયુના કુલપતિ અને જીટીયુ એલ્યુમ્ની એસોસિએશનના પ્રમુખ ડૉ.નવીન શેઠે કહ્યું કે, ટૂંકાગાળામાં જીટીયુના વિદ્યાર્થીઓએ દેશ વિકાસમાં સહયોગી થઈને સફળતાના શિખરો સર કર્યા છે.

તેમને જોડવાનો એક પ્રયાસ જીટીયુ દ્વારા કરવામાં આવ્યો છે. જે વર્તમાન વિદ્યાર્થીઓ માટે પેરણા સ્ત્રોત બનશે. મુખ્ય સ્પિકર તરીકે જીટીયુના એલ્યુમ્ની એવા બેંકના ચીફ મેનેજર

ડૉ. સત્યેન્દ્ર કુમાર, મિનિસ્ટીઅલ ઓફ ડિટેન્સની ઈલેક્ટ્રોનિક્સ એન્ડ મિકેનિકલ એન્જિનિયરિંગ સ્કૂલના પ્રો. દીપકકુમાર અને ગુણના પ્રોફા. મેનેજર હર્ષ દત્તાની સહિત જીટીયુના કુલસચિવ ડૉ. કે.એન.ખેર પણ હાજર રહેશે. આ ઉપરાંત હાલના યુવા ટેકનોલોજી સ્ટુડી પંચા, એક કાર્મોસ્ટ્રિકલ્સના રેગ્યુલેટરી એકિઝક્યુટિવ મીટ યાબુ ઉપરાંત જયેશ શર્મા, યશ પટેલ આ મીટમાં જોડાશે.

જીટીયુના એલ્યુમ્ની એસોસિએશન દ્વારા ડિજિટલ પ્લેટફોર્મ પર ૨૦૨૨ની એલ્યુમ્ની મીટ યોજાશે

એલ્યુમ્ની સ્ટુડન્ટ તેમના સ્ટાર્ટઅપ અને સક્સેસ જર્ની વર્તમાન વિદ્યાર્થી સાથે શેર કરશે

આ મીટ દરમિયાન એલ્યુમ્ની માટે સ્ટુડન્ટ વેલ્ફેર, રિસર્ચ, એલ્યુમ્ની એચીવમેન્ટ તેમજ તેમના રજિસ્ટ્રેશન વગેરે માટે ઉપયોગી વેબ પોર્ટલ અને એપ્લિકેશન લોન્ચ કરવામાં આવશે. આત્મનિર્ભર ભારત અભિયાનમાં આજના ટેકનોલોજી યુવાઓ કેવી રીતે મદદરૂપ થઈને દેશના માર્કેટ, સ્મોલ એન્ડ મીડિયમ એન્ટરપ્રાઇઝમાં યોગદાન આપીને આર્થિક રીતે પગભર થાય તે માટે એન્યુઅલ મીટમાં માગદર્શન આપવામાં આવશે. આ ઉપરાંત જીટીયુના એલ્યુમ્ની સ્ટુડન્ટ તેમના સ્ટાર્ટઅપ અને તેની સફળતા બાબતેની ચર્ચા કરીને વર્તમાન વિદ્યાર્થીઓને પ્રોત્સાહિત કરશે.

GTU Alumni Web-portal Launch



ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી (જીટીયુ)માં સ્વામી વિવેકાનંદ જ્યંતી નિમિત્તે 'વિવેકાનંદ, વ્યક્તિત્વ એવું વિચાર' વિષય પર વક્તવ્યનું આયોજન કરવામાં આવ્યું હતું, જેમાં જીટીયુના કુલપતિ ડૉ. નવીન શેઠે કહ્યું કે, વિવેકાનંદના આદર્શો અને મૂલ્યોને આજની યુવાપેઢીએ જીવનમાં ઉતારવા જોઈએ. મુશ્કેલીઓથી ડરીને જીવનમાં હતાશ થવાને બદલે જીવનને નવી દિશા આપવી જોઈએ.

Vivekanand Jayanti celebration

GTU to launch new courses

The first batch of skill-based courses launched by Gujarat Technological University have successfully completed their exams. More than 24 students had enrolled in these courses, which included computer services, networking storage and database. GTU now plans to introduce new short-term courses on AI, cyber security and others.

First batch successfully completed skill-based courses

Glimpse of thursday activates



Discussion on New Arrival Books



Spiritual symbol meaning & Its importance



Self-defence training for girls





About GTU-GSET Vision and Mission:

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

Program Outcomes:

- An ability to independently carry out research /investigation and development work to solve practical problems.
- An ability to write the present substantial technical report/documents.
- Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

Program Specific Outcomes:

M.E. – Computer Engineering (Cyber Security):

- To understand and analyze the various cyber-attacks, cyber laws, ethical hacking concepts, defending practice of cyber security, and digital forensics techniques.
- Identify, analyze and develop software and hardware solutions for complex problems in cyber security domain.
- Apply advanced knowledge to identify research challenges, and contribute individually or in team to resolve Cyber Security and Digital Forensics issues.

ME-EC (Mobile Communication and Network Technology):

- Understand, design and implement emerging technology in the field of mobile communication and network technology.
- To analyze real time problems, design appropriate system to provide solutions which are technically sound, cost effective and beneficial to the society in mobile communication and network technology.
- To furnish with necessary soft skills, managerial skill, analytical skills to work in the software and hardware industry

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

- To understand various aspects of Internet of Things, embedded systems, sensors, actuators, various algorithm of machine learning, artificial intelligence and protocols.
- To implement various methods, techniques, algorithms of deep learning, real-time data analysis, cloud computing, wired & wireless technologies, and programming/script languages in the field of IoT.
- Identify, analyse and develop various algorithm, techniques in software and hardware solutions for complex and real-time problems in the field of IoT.
- Apply advanced knowledge to identify research challenges, and contribute individually or in team to resolve new solutions/products/methods in the field of IoT.

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 developing 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

News Letter Committee:

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- Mr. Ranchhod R. Khambhala, Librarian, GTU-GSET, Editorial Board Member

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) – AICTE Approved

Duration: 02 Years

Intake: 18

Inception Year: 2021

GUJARAT TECHNOLOGICAL UNIVERSITY
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