

Geetanjali Institute of Technical Studies



ANNUAL REPORT
2018-19

Our Purpose

Vision

To achieve excellence in Technical and Management Education through quality Teaching and Innovation.

Mission

- ❑ To provide an **excellent learning environment** to produce socially responsible and productive technical professionals.
- ❑ To set up the **state-of-the-art facilities** for quality education and innovation.
- ❑ To impart **knowledge & Skills** leading to shaping a budding manager as a **quality executive**.
- ❑ To encourage for **life-long learning** and team-based problem solving through learning environment.

Values

- *Integrity*
- *Transparency*
- *Quality*
- *Work Together*
- *Work for the Community & Society*
- *Be Humane*

Preface

This report presents the landmarks attained and activities done through out the session 2018-19. The year observed national events hosted in the campus and lot of developmental activities for development of faculty and staff. The student centric approach of the institution led to organisation of many hands on practice sessions during various workshops and skill trainings for the industry ready programme.

Through-out the session, all the faculty and staff put in great efforts for delivering the best to the graduating students. Faculty planned skill oriented workshops for the students and also number of events covering beyond the curriculum proficiencies to address emerging technologies and industrial trends.

All the departments and units worked hard in enriching the experiences of the students on all the fronts leading to a 360 degree growth of the students. In addition to academic deliveries, students have been exposed to their social responsibility and their duties towards the society and community beyond the campus. The brief reports of these activities are compiled and presented here on the basis of the information provided by the concerned.

It will give a reflection of the traits and skills being imparted to the aspiring students and also to the stake holders about the vision and execution of the responsibilities entrusted to the institution. Quality of deliverables has been always at the focus of our concern and we were able to showcase that.

Please enjoy the Annual Report.

Thank you for your continued support.

Director (IQAC)

IQAC Initiatives

The Internal Quality Assurance Cell (IQAC) reviewed the execution of last years planned activities and prepared a plan of activities/initiatives to be undertaken in the session. The focus was to bring the institute among top colleges of the state through student centric programs and practices; and, by seeking accreditations from various agencies. Also it aimed at inculcating the spirit of entrepreneurship and innovation among the students. The major initiatives and impact there-off are:

Introduction of Institution Innovation Council (IIC): The Innovation Cell of the Ministry of Human Resource Development, Government of India, launched a program at national level calling upon all technical colleges to promote innovation culture among the students. The cell suggested the HEIs to form an institutional cell to coordinate the efforts among various facilitators. On this front, an Institutions Innovation Council (IIC) was formed with Director as President and Dr Deepak Paliwal, HOD (Mech) as chairman. The council selected students as members and executed number of IIC driven activities for creating awareness and promoting entrepreneurship among the students.

Seeking Accreditations from NBA & NAAC: Looking to the future needs of graduating students, initiating the process for getting accreditations from National Board of Accreditation (NBA) and National Assessment and Accreditation Council (NAAC) has been done. The cell planned for training of the faculty on the procedures and documents required for these accreditations and executed the same. Further, the efforts for improving our NIRF ranking and QIV ranking are being continued.

Nodal Centre for SIH 2019: The institute was selected to host the Smart India Hackathon 2019, organised by MHRD, GOI in the month of February 2019. The opportunity to host such an event helped us in creating an ecosystem for innovations and entrepreneurship in our institute; as well as it provided a chance to our students to watch the events closely and learn. The outcome of this event is increasing number of students involved in innovative projects.

Promotion of Self-learning: The faculty and the students of the institute have been enrolling in SWAYAM-NPTEL certificate courses in

good numbers. The performance of many faculty and students is found extremely well. To promote the participation, IQAC suggested to felicitate the achievers by granting certificates and cash prizes.

Organisation of FDP/International Conference/etc.: It was reiterated to plan and organise faculty development programs, conferences, seminars, workshops, etc. It was informed to the faculty that the affiliating University RTU is sponsoring such events through TEQIP-III. Faculty prepared several proposals and sent the same to RTU.

Publications: It was emphasised upon all the faculty to publish research and academic articles and books or chapters. The committee insisted to publish the work only in quality journals covered by Scopus, Web of Science, and other approved indices.

Industry partnerships: On the front of enhancing industry interactions, new MOUs were signed during the session, which included Siemens, GMCH, Wipro Ltd and GE Healthcare. Out of these the MoU with GE Healthcare is for creating an industry sponsored lab in the college and devising a curriculum of a certificate course on design, development and maintenance of healthcare devices/instruments. The program will prepare the graduates from the discipline of ECE for absorption in healthcare manufacturers.

Research promotion: For promoting research among the faculty, the PG programs and PhD Program needs to be strengthened. As an affiliated college, we need to get a Research Centre approval from RTU for each discipline. The MBA program and Computer Science departments are already approved as research centre. Research centre in Mechanical Engineering and Electronics and Communication engineering are planned to be applied and hence preparations are being done for same.

Mobilisation of funds: The institute has abundant resources in infrastructure. Also it has now a big alumni base attaining good positions in different organisations. For supporting developmental activities, need of mobilising funds is always felt. The cell has made an initiative to seek funds by leasing/renting infrastructure for academic events like exams, etc. and motivating alumni to contribute for the cause of college and students welfare. Approx. Rs.1.5 lakh was collected this year from alumni.

Review 2018-19

The session 2018-19 has seen a lot of things happening in the institution. The biggest event it has seen was hosting Smart India Hackathon 2019 (Software edition) organised by Ministry of Human Resources Department, New Delhi, Government of India during 2-3rd March, 2019. Getting selected for hosting the event was a moment of pride for GITS family. Teams from across the country visited the campus and worked on their innovations. The students and staff worked hard to provide them all required infrastructural support and made it a success.

This event triggered the innovative potential of our students, which was further ignited by installing Institutes Innovation Council (IIC) in the college.

On the academic front, institute has seen a large number of participation of faculty and students in online certification programs like SWAYAM-NPTEL. Many has cleared the certificate courses with ranks including Toppers, Elite, Gold, Silver, etc. The local centre of NPTEL got recognition and felicitation from IIT-Kanpur.

Several MOUs were also signed with industry for providing training to our students and helping them get better opportunities in career.

The institution has achieved landmark successes in several areas and organised many such events during the year which are being detailed in following pages.

Industry Partnerships

MOU with Advaiya Solutions Pvt. Ltd., Udaipur

Geetanjali Institute of Technical Studies and Advaiya signed the Memorandum of Understanding (MOU) on 20th September, 2018 to provide training to the GITS students at Advaiya, Udaipur. The idea of collaboration was mooted after meetings between top officials of both organisations. They saw value in enhancing authentic training for students who will form the future workforce.

Ms. Ruchika Godha (Chief Operating Officer, Advaiya) briefed about the benefits of training. She also conveyed brief talk about how to become a good entrepreneur.



MOU with Siemens India

Geetanjali Institute of Technical Studies and Siemens India signed the Memorandum of Understanding (MOU) to provide trainings for the students at GITS campus, Dabok, Udaipur on 6th September, 2018. The idea of collaboration was mooted after meetings between staff members of both organisations. They saw value in enhancing authentic training for students who will form the future workforce.

Dr. PC Bapna (HOD Electrical Engineering) conveyed that under this Technical Skill Development Program, Siemens India would give Trainings to the Students of Geetanjali Institute of Technical Studies. In this Training Two Trainers **Mr. Gopal Krishnan (Engineer)** and **Mr. Rohit Thakur (Engineer)** would give “Hands-on Practice on High Tension Machines” to Electrical Engineering students.



MOU with Pyrotech Electronics Pvt Ltd., Udaipur

Geetanjali Institute of Technical Studies and Pyrotech signed the Memorandum of Understanding (MOU) on 10th January, 2019 to provide training to the GITS students, Udaipur.

The idea of collaboration was mooted after meetings between top officials of both organisations. They saw value in enhancing authentic training for students who will form the future workforce.

Mr. Amit Talesara, Director – Pyrotech conveyed that in order to help students we have to engage them in industrial projects and assessments to develop these skills. He stated that they will select 15 Top Students from the Second Year of Electrical & Mechanical Engineering and train them according to the industrial requirements.



Some other Partnerships
RedHat Academy
GKM IT Pvt Ltd.
UMC& NIUA
Wipro Ltd.

Awards and Accolades

Team **TRYCATCH** of GITS B.Tech CSE got selected in grand finale of Smart India Hackathon 2k19 held at KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE (TAMIL NADU) on 1st March, 2019 for the problem solution of DI PATNA organization.

TEAM NAME: – TRYCATCH

TEAM LEADER: – NILESH PALIWAL

TEAM MEMBERS: – NIMITT SETHIYA, NAMAN SANADHYA, ROHIT RAI, PARIDHI BHATNAGAR, VINITA ASARI



Team **6 POINT 9** of GITS B. Tech also got selected in grand finale of Smart India Hackathon 2k19 held at JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA (UTTAR PRADESH) for the problem solution of YAMAHA MOTOR SOLUTIONS PVT. LTD. Organization.

TEAM NAME: – 6POINT9

TEAM LEADER: – JAI KRISHNAN PILLAI

TEAM MEMBERS: – HARDIK MISHRA, LOKESH GOYAL, KANHAIYA LAL JANWA, POORVA PORWAL, ARUSH BOLIA

Research & Publications

Publications

SN	Item	Nos
1	Papers in Journals	21
2	Papers in Conference /Books/Chapters	3

FDP/Workshop/Seminar/ Conference Organised

SN	Prog/Event	Nos
1	Workshop/Seminar on RM/Entre/IPR	2
2	Professional Development/ Administrative training	1
3	International/National Conference/Seminar	3
4	FDP/STTP/Refresher	8
5	Certificate Courses done by faculty	4

Performance of our faculty members and students in NPTEL Courses

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper
Jul-Dec 2018	134	2	28	0	68	36	3
Jan-Apr 2019	278	9	51	72	129	17	14

Research projects

Name of the Project	PI/ CO-PI	Deptt of PI	Year of Award/ Duration	Amount (Lakh Rs.)	Name of the Funding Agency
Design and Prototype development of intelligent Controls for Matrix Converter interfaced Grid connected Wind Energy Conversion System	Dr. Monika Vardia/ Dr. Lata Gidwani	EE	2019/ 1 Yr	2.40	RTU(ATU) TEQIP-III
Wash Lab	Dr. Manish Varma	Civil	2018-20/ 2 Yr	20.00	NIUA &USAID
Marketing Stretegy for Pacific Exports	Dr. P.K. Jain	MBA	Jan'2019-Jun'2020	6.75	Pacific Industry

Smart India Hackathon-2019

GITS SELECTED TO HOST

SIH-2019 (Software Edition)

GRAND FINALE - MARCH 2019

**GEETANJALI INSTITUTE OF TECHNICAL STUDIES**

Nodal Centre

Organizers

MHRD

MIC





PERSISTENT

Welcome



SMART INDIA
HACKATHON
2019





GRAND FINALE

SOFTWARE EDITION

2nd & 3rd, March 2019

Partners

Deloitte

cisco

DEVNET

KPIT

Communication Partners



EVENTS

WORKSHOPS

3 days hand-on training on “Real World PHP Using Yii Framework” for 3rd Year, B. Tech CSE students on 25th-27th Sept, 2018.

Department of Computer Science organized a 3-day hand-on training on **“Real World PHP Using Yii Framework”** for III Year, B. Tech CSE students on 25th-27th Sept, 2018. This workshop was attended by a total of 89 students.

The training sessions were delivered by Mr. Jitendra Joshi, CTO & Co-Founder, Rebel Station, Jodhpur. The trainer, Mr. Joshi is expert in web development and his technical expertise has definitely helped students to develop real-time applications using web technologies.



National Workshop on “PCB Design and Fabrication”

Department of Electronics & Communication Engineering, GITS organized a National Workshop on **“PCB Design and Fabrication”** from 6th to 8th August, 2018 in collaboration with Crescent Technologies, New Delhi.

The PCB Workshop was conducted for 2nd & 3rd year students by Mr. Ajay, Sr. Engineer, Crescent Technologies, New Delhi. Asst. Professor, Mr. Saurabh Porwal & Asst. Professor Mr. Ronak Shrimal coordinated through the hands-on practice and fabrication process.



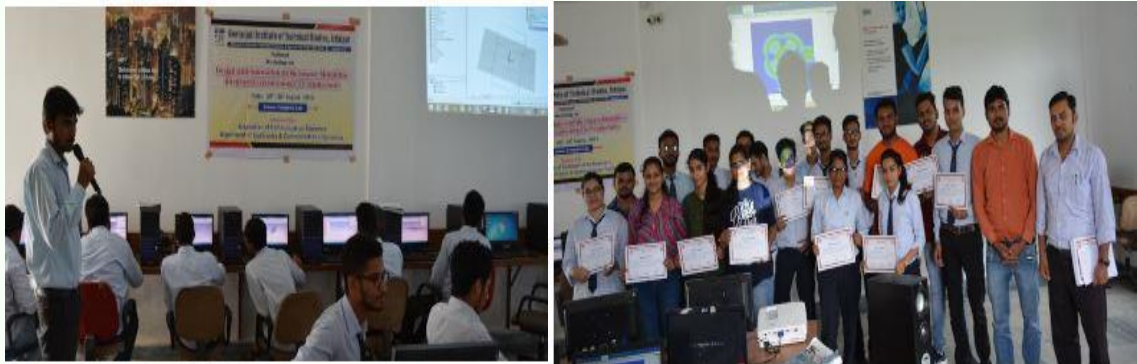
National Workshop on “Industrial Automation – PLC SCADA”

Department of Electronics & Communication Engineering, GITS has organized a National Workshop on “Industrial Automation – PLC SCADA” during 9-14th August, 2018 in collaboration with PVAS Automation Ltd., Jaipur.

The workshop focused on various projects in the areas of grid substation with load management, 3 phase induction motor starters, smart city implementation, power factor improvement using microcontroller and Smart traffic control system using PLC and SCADA.

National Workshop on “Design and Simulation of Microwave Monolithic Integrated Circuit using CST Studio Suite”

Department of Electronics & Communication Engineering, GITS has organized a National Workshop on “Design and Simulation of Microwave Monolithic Integrated Circuit using CST Studio Suite” from 29th & 30th August 2018. The workshop was conducted by technical experts from CST Microwave Studio & Jyoti Microsystems, Ahmedabad, India. Around 50 students, research scholars and faculties attended the workshop from various engineering colleges.



A one day workshop on 3D Printer

A one-day workshop on 3D Printer was organized for Automobile and Mechanical Engineering students by the department of Mechanical Engineering in association with Voxel 3dprints on 18th August, 2018. The expert from Garuda 3d (a 3D printer manufacturing company based in Hyderabad) Mr. Selvakumaran delivered the fundamental understanding of 3D printer assembly from zero level. Students of Automobile and Mechanical Engineering, GITS, jointly created a society, “Society of Innovative Engineers: Automobile and Mechanical”, SINEAM. The aim of this society is to inculcate multidimensional qualities within the personality of students through the organization of various activities and events. This workshop was the very first activity under the banner of this society.



Society of Innovative Engineers: Automobile and Mechanical, SINEAM

Students of Automobile and Mechanical Engineering, GITS, have jointly created a society, “Society of Innovative Engineers: Automobile and Mechanical”, SINEAM. The aim of this society is to inculcate multidimensional qualities within the personality of students through the organization of various activities and events. This workshop was the very first activity under the banner of this society.

A one day workshop on Photo Voltaic Cell

A one-day workshop on Photo Voltaic Cell was organized on 14th September, 2018 for students of Automobile and Mechanical engineering by the department of Mechanical Engineering. Experts from Sofcon India Pvt Ltd, Mr. Abhinov Chakraborty (Regional Manager) and Ms. Vashita Jain (Branch Manager) delivered the fundamental information of selection, sizing and designing of PV modules and described “How different PV modules generate different levels of electricity”.



Workshop on automotive events

Department of Automobile & Mechanical Engineering, GITS, conducted a Workshop on automotive events (like BAJA, SUPRA, ESVC etc.) on 30th September, 2018. This workshop was planned under the banner of “SAE GITS” with a vision to train students of the institute in Automotive Events and Projects.



NPTEL Awareness Workshop

Geetanjali Institute of Technical Studies, Udaipur and Indian Institute of Technology Kanpur (IIT-K) jointly organized “NPTEL Awareness Workshop” on 17th November, 2018 to create awareness and motivate students to participate in National Programme on Technology Enhanced Learning, India. The workshop was chaired by Prof. Styaki Roy (Professor, IIT Kanpur & NPTEL- National Coordinator) and Mrs. Angana Sen Gupta (Local Chapter Coordinator, IIT Kanpur).

The aim of NPTEL Awareness Workshop was to create maximum awareness among faculty members about NPTEL and its various initiatives. GITS also announced the establishment of SWAYAM-NPTEL Local Chapter in GITS.



An expert lecture on Atomistic Simulation of Nano Materials

An expert lecture on Atomistic Simulation of Nano Materials was organized on 20th September, 2018 for Automobile and Mechanical engineering students by the department of Mechanical Engineering. Expert Prof. Avinash Parashar from IIT, Roorkee, delivered the fundamental information of nano materials and described the analysis process of nano material at quantum level. Prof. Parashar discussed about the software that can be used for simulation purpose and stated its limitation.



NPTEL felicitation ceremony

Geetanjali Institute of Technical Studies organized the annual NPTEL felicitation ceremony on 24th July, 2019, to recognize and appreciate the efforts and achievements of participants, toppers, certified students, mentors and coordinators of NPTEL.

The Chief Guest of the ceremony, Mrs. Kanika Agarwal, Director – Geetanjali Group congratulated the students and faculty. Also, stated that participation in NPTEL would improve the prospects of the students during campus recruitment drive.

In this academic session 305 students enrolled for different courses which resulted in GITS securing the 1st position in Rajasthan and 109 in Active Swayam NPTEL in all-over India. GITS had 14 toppers at the All India level; 9 Gold Medals and 51 Silver Medals. The brand ambassadors for the year were Chinmay Jain, Himanshi Rathore, Deepak Soni, Gauri Shrimali, Arjun Dhangar, Geetika and Dolly.



National Workshop on “Web Development Using Python Django

Department of Computer Science & Engineering had successfully organized a “National Workshop on “Web Development Using Python Django” from 23-25 January, 2019 for B.Tech III year students.

In this workshop, 87 students participated to learn basics of Python, Django Web Framework, Hands-on demonstration of server side programming in python and SQLite. The workshop was delivered by Mr. Gaurav Dodiya, Senior Developer, Universal Informatics, Indore. Mr. Gaurav have emphasized the importance of Python programming language in today’s era.



3 days Training over “Digital Marketing”

In continuation to our mission about industry oriented learning, Department of CSE and MCA jointly organized a 3-day (scheduled 6-8th Feb 2019) Intensive Training over “Digital Marketing” for the students who want to pursue their career in this field.

Ms. Surbhi Jain, Founder Digification delivered this workshop to students. More than 40 students of CSE and MCA students benefitted from this training.



Two Days Workshop on “Python Programming”

In continuation to our mission about Industry Oriented Learning, Department of Computer Science and Engineering successfully organized a two-day Workshop on “Python Programming” for B.Tech II year students on 15th and 16th March 2019. More than 60 students of CSE participated in this training. Mr. Gourav Dodiya, Sr. Developer, Universal Informatics, Indore delivered this workshop to students



Sanskrut Corporation organized a 1-day internship program

Computer Science and Engineering Department in collaboration with Sanskrut Corporation organized a 1-day internship program on 29th March 2019 for CSE 2nd year students.

Sanskrut Corporation is a US based software development company, having office in Udaipur, Rajasthan. The team from Sanskrut Corporation took some business ideas from the students and then discussed the development process of those ideas with the students. Various activities like Idea presentation and group discussions were also held.



2 weeks summer school pre-internship program

Computer Science and Engineering department organised 2-Week Summer School Pre-Internship Program for 3rd year CSE students from 30th April to 11th May, 2019. More than 50 students participated in this program. The workshop was delivered in 2 phases:

Phase-1 Mr. Girish Ameta, Assistant Professor CSE took session on JAVA programming for Android Application Development (30th April – 4th May 2019).

Phase-2 Mr. Akshay Nandwana, Google Android Facilitator took session on Android Application Development using Android Studio. (6th May- 11th May 2019)



Annual Techfest “Cognizance 2019”

28 students of CSE visited IIT Roorkee to attend their Annual Techfest “Cognizance 2019” from 15th to 17th of March, 2019.

Chief Guest of Inaugural Ceremony was Dr. P.V. Venkitakrishnan (Director CBPO, ISRO Headquarters) and key note speaker was Dr. Ajit Kumar Chaturvedi (Director IIT Roorkee).



Innovative Solar and Electric Cars

Innovative Solar and Electric Cars manufactured by students and staff members of the Mechanical Engineering branch were demonstrated in Car Rally on 1st June, 2019 at Fateh Sagar Lake.

GoKART-Chetak got 10th rank in JSKC 2019 held in Jaipur. **GoKART – Raina** got 18th rank in IKC Feb 2019. In these championships many cars from different institutes at national and international level had participated. Solar Car **Buzzard** participated and got 13th rank in Asia's biggest championship held at N.S.V.C-2019 Bangalore. Electric Car **Techie Prophet** kept for clean energy safety in GITS.

Over the years 9 cars, 2 lake cleaning machines, 1 electrical car and 1 electrical bicycle have been designed and fabricated by GITS.



Seminars and Conferences

Two-day International Seminar on Multidisciplinary Challenges & Opportunities in Smart Nano-grids & V 2 G

Department of Electrical Engineering organized a two-day International Seminar on **Multidisciplinary Challenges & Opportunities in Smart Nano-grids & V 2 G**.

The seminar was addressed by Dr. Akshay Kumar Rathore (Professor in the Department of Electrical & Computer Engineering in Concordia University, Canada) and Prof. Dr. Naveen Jain (Assistant Professor, MPUAT Udaipur).



International Seminar on “Data Network and Communication: Enabling Future IOT”

Department of Electronics & Communication Engineering organised an International Seminar on “Data Network and Communication: Enabling Future IOT” on 9th January, 2019 by Prof. Dharm Singh Jat, Professor in Computer Science at Namibia University of Science and Technology (NUST), NAMIBIA. This seminar was sponsored by RTU (ATU) under TEQIP-III.

The objective of the seminar was to provide a brief overview on data network and communication, functional interoperability for IoT devices, edge computing, QoS support, future research directions and challenges within the context of a local environment such as home, factory, vehicle, office or airport, etc. Around 90 students of computer science engineering and electronics and communication engineering participated in this seminar



1-Day National Seminar on How to Get Your Startup Registered in Rajasthan Government

Department of Computer Science and Engineering in collaboration with i-start Rajasthan, organized a 1-day National Seminar for CSE 2nd year students on how to get your startup registered in Rajasthan government on 3rd April 2019. Mr Dhawal Singhal and Mr. Dipjyoti Baruah from iStart addressed the students. iStart Rajasthan is the flagship program by the Department of Information Technology & Communication, Government of Rajasthan to foster innovation, create jobs and facilitate investment in the State. iStart is an integrated comprehensive platform, which is a one-of-its-kind, single window resource for start-ups, investors, incubators, accelerators and mentors.



International Seminar on “Communication Complexity”

Department of Electrical Engineering and MCA organized an International Seminar on “Communication Complexity” on 2nd July, 2018. Dr. Jain shared his international experience in the field of Communication Complexity. More than 70 participants from various streams registered and attended the event. In this seminar, International Resource person was Dr. Rahul Jain (Associate Professor, Computer Science Department, National University of Singapore (NUS)).



International Seminar on “Hybrid Electrical Vehicle Charging System”

Department of Electrical Engineering organized an International Seminar on “Hybrid Electrical Vehicle Charging System” on 1st July, 2018. Dr. Rathore, Concordia University, Canada shared his International experience in the field of Hybrid Electrical Vehicle Charging System. More than 80 participants from various streams registered and attended the event.



International Informatica Startup Summit – 2018

It was great listening to a new generation of entrepreneurs and technocrats at Department of Computer Science & Engineering on 5th Oct., 2018 during International Informatica Startup Summit – 2018. In this event 8 speakers, experts and entrepreneurs in today's modern technology era shared their experiences with B.Tech students.



The summit was intended to build a strong echo system for nurturing innovation and Start-ups while also empowering them through design, networking, collaboration and funding opportunities.

Following were the eminent speakers during summit.

Gowrav Vishwakarma, CEO, Xavoc Technocrats Pvt. Ltd, VP India, International Entrepreneurs Club, Udaipur, India

Karan Chaturvedi, Cloud Technical Evangelist/Developer Advocate, IBM India Private Limited, Delhi, India

Paras Pundir, Founder and Community Builder, Community Folks, Community Advisor, Incubate India, Bengaluru, India

Mahaveer Muttha, Organizer Google Developer Group Pune, Director BirdVision consulting Pvt Ltd. Director techAppsPlanet Pvt Ltd. Pune, India

Romans Malinovskis, System Architect Designer, Developer of AgileToolkit Co-Founder of code less development tool Saasty.io, London UK

Sangeeta Devni, Member of Board & Director Strategy, Progate Bengaluru, India.

SPECIAL SKILLS

one week workshop on Linux

Department of CSE started nurturing technical skills of students over Linux by providing one-week workshop. The workshop was delivered by Mr. Manish Tiwari, Assistant Professor, CSE from 4th to 9th Sept, 2018.

This training covered the deep understanding and working of Linux using command based terminals and developer model of Linux. Students went through intensive programming over different editors available under GNU.



One Week training on “Programming Using Python”,

Department of Computer Science and Engineering organized One Week hands on training on “Programming Using Python”, for B.Tech CSE V Semester students. The training was attended by 110 students in two different sessions, each session was of one week.

The objective of this one-week hands on training was to introduce python and its diversity of solving the problems to students. The training covered all programming skills using data structures. The focus of the training was coding algorithms using python.



Two Weeks Value Added Training on Industrial Automation

The mechanical engineering department organised a two-week value added training on Industrial Automation from 1st May to 15th May, 2019 for 3rd year students of mechanical engineering. Experts from Sofcon India Pvt Ltd, Mr. Abhinov Chakraborty (Regional Manager), Mr. Ajay Gupta (Sr. Engineer) and Mr. Sudhir Verma (Technical Support Engineer) delivered theory as well as practical sessions to the students during these two weeks. Students learnt to integrate the electronics/ electric devices with mechanical system for the purpose of automation.



30-day Hands-On Training on “FULL STACK WEB DEVELOPMENT”

A 30-day hands-on Training on “Full Stack Web Development” started for II Years students from 3rd Oct to 31st Oct 2018.

The Training was delivered by Er. Umar Farooq, Co-Principal Investigator (Co-PI) of Digitek Solutions. The training covered the following modules:

- Designing of websites using HTML5, CSS3, JavaScript, editing templates
- Server side programming and creating dynamic contents through PHP
- Database connectivity using MySQL
- Developing websites using CMS



Faculty Development Programmes

TEQIP- III RTU (ATU) ON “RESEARCH INNOVATIONS IN TECHNOLOGY”

A Faculty Development Program was organized by Geetanjali Institute of Technical Studies, Udaipur with Rajasthan Technical University, Kota and sponsored by TEQIP-III RTU (ATU) On “Research Innovations In Technology” on 15th & -16th September 2018.

The FDP was inaugurated by Dr. Nishchal Verma , Prof. IIT, Kanpur. Eminent speakers Prof. J C Bansal, SAU New Delhi (Guest of Honour); Dr. Anindo Bose, Chief Editor, Springer (Guest of Honour); Prof K N Das, NIT Silchar; Prof. Susanta Tripathy, NIT Silchar; Dr Anupam Yadav, NIT, Uttarakhand; Prof. Neha Yadav, BML Munjal University, Gurgaon; Prof. Rani VIT; Prof. Rajesh Muthu VIT also delivered expert lectures on the topic.

Over 90 participants from various RTU affiliated colleges and various Universities attended the FDP.



Department of Electronics & Communication Engineering organised an International Seminar on “**Wireless and Data Communication**” on 27th October, 2018. This seminar was sponsored by RTU (ATU) under TEQIP-III.

Prof Hari Mohan Gupta Adjunct Professor, IIT, Ropar, IIT, Jammu and IIIT and Management, Gwalior..... Around 70 students and faculty members benefited from this seminar.



TEQIP-III Conducted Five-Days Faculty Development Programme Titled AUGMENTED REALITY – VIRTUAL REALITY (AR-VR)

Geetanjali Institute of Technical Studies (GITS) Dabok, Udaipur in association with RTU, Kota under the banner of TEQIP-III conducted a five-day Faculty Development Programme titled AUGMENTED REALITY – VIRTUAL REALITY (AR-VR) from 17th to 21st June 2019.

The thirteen session of this programme was taken by Mr. Shivang Shekhar and Mr. Akshay Nandgiri, Industry and Technical Expert from IIIT Hyderabad respectively. They started with a brief discussion on AR & VR. Then showcased the latest virtual reality and augmented reality devices like Pico Goblin, HTC Vive, Google Cardboard, etc.



Two days FDP on Autonomous Robotics and Automation, sponsored by RTU (ATU, TEQIP III)

Two days FDP on Autonomous Robotics and Automation, sponsored by RTU (ATU, TEQIP III) was organized by Geetanjali Institute of Technical Studies on 28th and 29th May 2019.

This FDP was conducted under the supervision of Dr. Deepak Bhatia, RTU Event Coordinator and resource persons from GEEKSlab Technologies Pvt.Ltd. (in association with AIESEC, IIT Delhi) Mr.Vaibhav Gupta and Mr.Anshul Verma successfully demonstrated the content during two day FDP.

During the workshop Robotics tool kit was provided to each group of 5 participants for hands-on learning. The 2-day FDP was conducted in 4 sessions which covered the following points:

- Introduction to Robotics and Basics of Robot Construction
- Mechanical system: Actuators in Mechanism
- Electronic circuitries and Microcontroller
- Programming and animation on LEDs
- Designing of line tracker based robots

Innovative Thinking & Design Projects

Real Time and Quality Monitoring Project

Geetanjali Innovation Lab has launched Real Time and Quality Monitoring Project. This project was done under the guidance of dean R&D Dr. Raghuveer (HOD,CSE) with the help of students Deependra gadhwal, Mukul Tated, Nirmal Suthar, Bhaya Mathur and Gulashan Jaman.

During inauguration ceremony, chairman Mr. J.P Agarwal conveyed that it is the matter of pride and privilege for us to initiate the same project in the Udaipur rural area with the assistance of Udaipur nagar nigam. On this occasion Chairman granted sum of rupees 10 lac for the research and development programme as a financial assistance.



Mr. J.P Agarwal congratulate the students for 2 new projects selected in smart india hackathon 2018. The main feature of this project is that once you connect solar tree with mobile phone, mobile phone contact will automatically save in solar tree.

Lake Cleaning Machine

In order to keep the lakes clean, Mechanical engineering students of GITS Dabok, designed and successfully formulated “Lake Cleaning Machine”. Inaugural function of the “Lake Cleaning Machine” took place on in the presence of Shri Bishnu Chandra Mallick (collector, Udaipur), Shri Siddarth Sihag (Commissioner, Udaipur Municipal Corporation), Mr. Sardar Mohammad and Shri Tej Sharma (Member of Lake Development Association).

Mr. Kapil Agrawal, Vice Chairman, GITS remarked that this machine will be used for keeping the lakes clean and it is an important step in society welfare and an effort to protect the environment.



Vishwakarma Jayanti Celebration

Mechanical Engineering Department of Geetanjali Institute of Technical Studies celebrated Vishwakarma Jayanti on 17th September, 2018. An auspicious moment of prayer to pay obeisance to Lord Vishwakarma, who is regarded as the god of architecture and engineering,



Training and Placement

MoU Signed between GITS and Thermax

Inauguration ceremony of Training and Placement support program 2019 started under the MoU Signed between GITS and Thermax on 7th Jan., 2019. The Session was conducted under the banner of Career Development Cell of GITS and guest of the event was Mr. D. K Bera (Head Training and Development, Thermax India). For Training and Placement support program 2019, 28 students were selected for training session. Training of selected students was done at Thermax manufacturing plant, Thermax cement plant and GITS campus by the trainer of Thermax and GITS.

In 2018 the MoU was signed between Geetanjali Institute of Technical Studies and Thermax Limited. Under that MoU, 30 students of were selected for training and 12 students got placed in Thermax Limited. The certificate distribution ceremony was also conducted for students and mentors of 2018 training batch.



Placement

Branch	Passed & Placed
CSE	95
ME	40
EE	24
EC	13
AE	7
MCA	8
MBA	42

Highest packages

Deependra Gadwal	CSE	10. 00 LPA	BYJU'S
Viplove Suthar	ME		
Ayush Pandiwar	AE		

Our Concern for Society

- **Awareness on girl child education:** With the help of NSS volunteers, GITS Udaipur launched an awareness program on girl child education.
- **Career guidance for students from rural areas and Government schools:** With the help of NSS volunteers, GITS Udaipur conducted a career guidance session for students from rural areas and govt. schools. The laboratories of various engineering departments were also shown to them in order to increase their practical knowledge.
- **Launch of 'say No to single use plastic' program:** NSS volunteers of GITS Udaipur launched a campaign against single use plastic. In the institute cafeteria and elsewhere, the policy is strictly implemented and followed. Paper cups, plates and glasses which are recyclable are used in canteen.
- **Independence Day celebration:** NSS volunteers of GITS Udaipur helped in the successful organization of the Independence day programme on 15th August 2018
- **Teachers Day Celebration:** The volunteers celebrated the teacher's day on 5th September 2018 and felicitated their teachers.
- **Programme on road safety through 'nukkad natak':** NSS volunteers of GITS Udaipur initiated a programme on automobile safety on 25th September 2018. The aim of the programme was to spread awareness for road safety. The NSS volunteers presented a skit in the programme.
- **Lake cleaning machine by GITS Udaipur:** on 13th December 2018 with the help of NSS volunteers of the institute, initiative was taken in GITS Udaipur to clean lake with the help of machinery. In order to keep the lakes clean, Mechanical students of GITS Dabok, with the inspiration of our collector Shri Bishnu Charan Mallick designed and successfully formulated "Lake Cleaning Machine". Inaugural function of the "Lake Cleaning Machine" took place in the presence of Shri Bishnu Chandra Mallick (collector, Udaipur), Shri Siddarth Sihag (Commissioner, Udaipur Municipal Corporation), Mr. Sardar Mohammad and Shri Tej Sharma (Member of Lake Development Association).

- **Republic Day celebrations:** NSS volunteers of GITS Udaipur helped in the successful organization of the Republic day programme on 26th January 2019
- **Service to humanity programme:** on 16th April 2019 GITS students, with the help of NSS volunteers, organized **“Spread the Joy”** and **“Lamhe”** a social project of Human Values on 16th April 2019 at three places-Nora Village Govt. Primary School, Khempura Govt. Primary School and Sukh-dham Old age home for the cause by serving and spending time with school students and residents of old age home.
- **Electric and Solar car rally:** On 1st June 2019, with the help of NSS volunteers of GITS Udaipur, Innovative Solar and Electric Cars manufactured by Students were demonstrated in Car Rally on 1st June 2019 at Fateh Sagar Lake at 6:00 PM.
- **International Yoga Day Celebrations:** with the help of its NSS volunteers, Geetanjali Institute of Technical Studies, Dabok celebrated International Yoga Day on 21st June 2019 by organizing a special Yoga session in which the students, faculties and HOD's along with the Director performed various 'asanas'. The main aim was to raise awareness and ignite a passion for fitness and yoga among the students and faculties.
- **Awareness on Girl Child Education:** on 30th June 2019 with the help of NSS volunteers, GITS Udaipur launched an awareness program on girl child education through a 'nukkad natak' that they presented in front of an enthusiastic audience in the college premises.

