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GEETANJALI INSTITUTE OF TECHNICAL STUDIES

**UDAIPUR
RAJASTHAN**



ANNUAL REPORT

2021-22

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DIRECTOR
Geetanjali Institute of Technical Studies
Dabok, UDAIPUR-313022 (Raj.)


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ANNUAL REPORT for the ACADEMIC YEAR 2021-22

The Annual Report for the Geetanjali Institute of Technical Studies prepared for the Academic year 2021-22 chronicles the major initiatives and events of the institute, it also provides information on the activities of various departments, the student clubs, social responsibility initiatives undertaken and the prominent visitors during the academic year. This annual report recognizes the achievements of the students and faculty in academics, research and extracurricular activities.

Presently, GITS provides under graduate courses in B.Tech in Civil Engineering, CSE, CSE(AI), ECE, EE and ME and post graduate programmes in M.Tech (CSE, Power Systems, IEM, DCE), MBA and MCA. The college has faculty strength as per the AICTE/RTU norms in the teaching departments and the student strength of the college is 1282.

The college in this academic year has been accredited by NBA in CSE, Civil Engineering and MBA. GITS is also accredited at A grade by NAAC and has been recognized as the Centre of Excellence in higher education by RTU, Kota.

The challenges of the Covid-19 pandemic expedited digital education and is identified as a key development priority with online learning becoming a primary way we operated during the academic year. In this academic session we have adopted hybrid mode of teaching through online and offline mode for delivery of our courses. In our education strategy we endeavour to examine how our courses, our campus and our online offering can be designed to inherently help our students overcome the challenges of this new mode of learning.

The institute continues to provide a comprehensive range of support for learning and teaching across the institution, facilitating curriculum development, designing and running workshops and events. The Students Section gathers feedback about the student experience and has led to better, more consistent data around the student experience which allows us to compare and draw best practice examples across disciplines and programmes.

The main goal of our initiatives is to bring the academic programmes at par with world quality education and improve the employability of the students in general and attain individual student aspirations in particular. The programmes enrolled for and events conducted at the central and departmental levels have been detailed here under.


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SUMMARY OF ACTIVITIES (JULY 21 – JUNE 2022)

S N	ACTIVITY	CE	CSE	ECE	EE	ME	MBA	MCA	CDC	NSS/NSO	I Yr/Club	TOTAL
1	FDP/Workshop/Seminar/Conference Organised by faculty	5	12	3	4	4	4	4			2	38
2	FDP/Workshop/Seminar/Conference Attended by faculty	89	60	37	37	83	32	25			44	407
3	Add-on /Certificate Course Completed by Faculty and Students	24	52	3	2	14	1	16			3	114
4	Publication: (Paper in Journal or Proceeding/Patents /Books/ Chapters)	13	17	11	16	25	9	10			13	114
5	Award and Recognition	5	17	15	4	7	5	1	4		3	61
6	Research Project/Consultancy: Projects running/completed /Proposals Sent	6	1	0	4	1	0	0			2	14
7	Expert Lecture/ Alumni Talk	2	10	3	3	8	6	5	6		6	49
8	Visiting Person/ Industrial Visit	7	1	5	4	5	5	2	23	1	2	55
9	Student Club Activity	9	17	4	6	15	8	6		1	11	77
10	Trainings organised for students	4	5	1	1	10	2	2	25		2	52
11	Major facility addition	0	2	0	5	2	0	0			0	9
12	Any Other (specify)	14	11	1	10	13	0	0	8	3	11	71
13	No of companies visited for campus interview								98			98
14	No of students placed								340			340
	TOTAL NO OF ACTIVITIES	178	205	83	96	187	72	71	504	5	99	1499


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SKILL ENHANCEMENT TRAININGS

1. Training for ECE students in **PCB Design & Fabrication Workshop** from 6–13 Sept 2021.



2. Mr. Raj Diwakar, Simco Microwave Limited, Noida visited **Microwave Lab in the ECE** department and gave hands-on practical training on microwave equipment.

3. Department of **Mechanical Engineering** conducted In-house Technical Training for the students of II Year on **“CNC Machine & its Programming”** from 13th to 30th September 2021.



Training was taken by Mr. Honey Lohar, Technical Assistant, ME who taught basics of CNC Machine in a very illustrative manner. Various parts & working process of CNC machine according to mechanical job preparation was also taught to the students in a sequential manner.

Students also discussed their issues & resolved their queries in a very enthusiastic manner.

Hands-on training on CNC

4. Department of **Mechanical Engineering** conducted In-house 6-day technical training for the students of III Year students on **“Mechanical Concepts”** on various technical concepts of **Theory of Machines, Dynamics of Machine & Fluid Machines** from 8th to 23rd September 2021. The training on Theory of Machines & Dynamics of machine was taken by Mr. Rahul Sen, Assistant Professor, ME & training on Fluid Machines was taken by Mr. Ram Dayal Kumawat, Assistant Professor, ME & Dr. Vishnu Agarwal, Associate Professor, ME.

According to the schedule of training students were firstly taught the basics of the particular topic & then were allowed to perform practical using the experimental model for the same topic. Students also discussed their issues & resolved their queries in a very enthusiastic manner.

5. One week training Programme on **“Refrigeration and Air Conditioning”** held from 9th to 13th May 2022 for the students of Third Year Mechanical Engg. was successfully completed.

6. Department of **Civil Engineering** organized workshop on **“Road to India Skill 2023”** with BIMLABS in association with NSDC and CSDC Gov. of India on 30th April-2022. This workshop was organized by Dr. Manish Varma, Mr. Gaurav Sharma & Mr. Denis Jangeed.



7. Three-day Hands on **Workshop “Recent Electrical Panels in Machines, Power Electronics and Power Systems”** was organized under the aegis of **Electrical Engineering Department** and on 29 to 31 March, 2022 in which Shri Balwant Singh Bohara and Shri



Pramod Rana (Experts of Rajat Premier Trading Corp.) were the trainers. Prof. Sundaram (Head, EE) presided over the workshop, along with Mr. Abhishek Sharma (Coordinator, EE), Mr. Mohit Mathur (Coordinator, EE) and all faculties and technical assistants attended the workshop.

Prof. Sundaram (Head, EE) told that it essential to learn about the recent development in electrical panels and be updated about the recent changes and challenges in electrical equipments and panels that develop the ability to provide jobs in technical field.

Shri Balwant Singh Bohara and Shri Pramod Rana (Experts of Rajat Premier Trading Corp.) shared their experience and wide knowledge regarding Electrical Machine lab and gave details about the recent equipment's in Electrical Machines.

At the end of the program, Mr. Abhishek Sharma proposed a vote of thanks to all. Prof. Sundaram said that through such programs a new energy will be infused among the staff members. At the end of the program, many questions were put to the experts who solved the queries.

EVENTS

1. Induction Program for students of third and second year was conducted to welcome students in Computer Science & Engineering Department on the 4th and 13th September 2021 respectively in which Head of Department, Dr. Mayank Patel welcomed all students to department.

He discussed the Vision and Mission of the Department with students as well as about the PO's, PSO's and PEO's along with their importance and significance. He, further, discussed the Courses, CO's and how the system is designed to make it more student centric with overall development of students.

Dr. Mayank Patel then briefed about the assessment scheme for evaluation of each student and procedure of identifying slow learners and how department take actions for such students, assignments and other assessments which would be conducted offline or on platforms like GATE tutor and Google classrooms.

Other than academic activities extracurricular activities for overall development of student which were being planned and executed by the Student Club was also discussed. These activities involve both technical as well as non-technical events.

Students were informed about NPTEL courses which provide extra knowledge and help earn extra credit points which is mandatory to acquire degree with honours.



To improve their coding skills, the HoD suggested few online platforms like code-chefs, hacker-ranks and other platforms. Taking the event ahead, he highlighted future careers to become successful employable graduates or even become entrepreneurs as per their passion.

Dr. Mayank encouraged students to look for good internship so they can get a good

opportunity for placements and informed about steps that the department and institute takes to make students more prepared for their placements. These steps involve extra aptitude and reasoning classes, soft skill classes, technical trainings, group discussions and mock personal interviews to prepare students for final placements.

After explaining all the points regarding development of students, students were informed about class advisors and mentor mentees who could be approached for help and guidance in any crisis situation.

Ms. Shipra Sharma and Mr. Bhupendra Teli were nominated as advisors for Section A and Section B respectively for Second year students where as Mr. Vishal Jain and Ms. Ruchi Vyas

were advisors for Third year, section A and Section B respectively. The induction session was successfully concluded by with a Q&A sessions.

2. Engineers Day was celebrated by the students of ECE department on 15th Sept 2021.

3. Student Club CSE organized an offline event for Engineer's Day Celebration Engineer's Day Celebration on 15th September, 2021 (02:00 PM-04:00 PM). A Quiz Competition and the screening of a one-hour film was planned by the CSE Student Club coordinators Harsh Soni and Yogita Sharma and faculty mentor Ms Ruchi Vyas.



Dr Mayank Patel, Head - CSE inaugurated the event and delivered a talk about the importance of Engineers Day. He briefed the participants about various technologies around the globe and placement opportunities for students. The Event was then followed with 1-hour movie based on Reinforcement Learning named "ALPHAGO". A technical quiz competition took place where 3 teams participated with 2 members each under the heading of team named Tech Coders, Tech Geeks, Tech Masters. Tech Coder won the quiz whose members were Krishanu and Kritika. Winning students received online certificate for the same.

4. Orientation Programme & Engineer's Day celebration was organised in the Department of Electrical Engineering on Wednesday, 15 September 2021 at 11:00 A.M for second year EE (2020–24 Batch). The organizing committee of orientation program & engineers day cordially invited the directors and HoDs. The session started with a Motivation session by Dr. Vikas Misra (Director, GITS): Director Sir on the various aspects and dimension of electrical engineering and also guided the students about various opportunities in the field of electrical engineering. Prof. Prakash Sundram, HOD-EE introduced the about the RTU curriculum and how the department works while third year EE students' group shared their opinion in form of speeches about the engineers day celebrations. The faculty and third year students conduct different activities for the students and finally there was Prize distribution.

5. Students of Mechanical Engineering department celebrated Engineer's Day in memory of Mokshagundam Visvesvaraya on 15th September 2021. Students of final, third & second year along with departmental faculty and other technical as well supporting staff were present in this celebration. Students planned various activities in the form of Quiz,



Extempore, One-Min Talent Show etc. for everyone to enjoy the celebration. The faculty members motivated the students by sharing their knowledge & experiences as worthy engineer professionally.

Dr. Deepak Paliwal, Head of Mechanical Engineering also encouraged the students with the various teachings of Mokshagundam Visvesvaraya & stated that we should be focused & determined about our goals irrespective of other environmental & non-supportive and challenging situations.

6. **The 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, was organised in the workshop of Mechanical Engineering department at 1:30 PM. It was a resolution time for students and faculty to dedicate themselves to the cause of advancement of technology and gain divine inspiration for creating novel products. According to Hindu mythology Lord Vishwakarma is the divine draftsman of the whole universe and the official builder of all the gods' palaces and the designer of all celestial vehicles and weapons. Lord Vishwakarma has four hands, wears a crown, loads of gold jewellery, and holds a water-pot, a book, a noose and craftsman's tools in his hands and is described as the God with multi-dimensional vision and supreme strength by Rig Veda.



The pooja and celebration was attended by Prof Vikas Misra, Director GITs, Shri B L Jangir, Finance Controller, Prof. Dr. Sudhakar Jindal, Director IQAC, Prof. Manish Verma, Dean Testing and Consultancy, Dr. Mayank Patel, Head Computer Science

Engineering, Prof. Deepak Paliwal, Head Mechanical and Automobile, along with all staff members and students from various departments.

7. **Orientation Program for 2021 Batch** was organised on 30th Sept 2021 by department of **Electronics & Communication Engineering**.

8. **Department of Civil Engineering** hosted **Orientation Program** for II year (2020-24 Batch) and celebrated in high fervour by the Director, Director IQAC, Finance Controller and all HODs. The program included different activities followed by prize distribution to the winner and runner-up.

9. CSE Student Club under the guidance of Ms Ruchi Vyas organised an offline **Hack-a-Vishkar, a Hackathon on 28th September, 2021** from 10:00 AM to 02:00 PM in which 25 Teams participated.

On 22nd September 2021, Geetanjali Institute of Technical Studies, Udaipur (Raj.) announced intra- college level event Hack-A-Vishkaar organized by Department of Computer Science and Engineering. The event was open to the ideas regarding Internet of Things, AI Chatbot and AR/VR. The registrations were open till 22nd September 2021 and the results of shortlisted students were declared on 28th September 2021. We received maximum number of participations from the students with much enthusiasm.

The event was organized by student coordinators Harshita Jain, Amisha Soni and Amritesh Saini and faculty coordinator Ms. Ruchi Vyas, Asst. Prof., Student Club CSE In-charge under the supervision of Dr. Mayank Patel, HOD CSE. The Guest for the Event were Dr. Vikas Mishra Dir GITs, Dr. Sudhakar Jindal, Director IQAC, GITs and Mr B.L. Jangir Finance Controller GITs.



Event was conducted smoothly and the evaluation process was done by Mr Ritesh Kr Jain, Mr Bhupendra Teli, Mr Abhishek Gupta and top two ideas from each category were declared as winners. The first position was secured by team ParallelDevs (Harsh Soni, Gautam Anand) and Phantom Troupe (Varun Mehra, Suraj Joshi, Karan Singh Asoliya, Krishanu Mishra). The second position was taken by CMN Coders (Mohit Mali, Nitin Jiwnani, Chitranshu Singh Choudhary). Team Cypher (Gunit Choubia, Lalit Suthar, Bhavin Bhatnagar), RV711 (Vinay Kumar) were the winners in technologies AI Chatbot, IOT, AR/VR, resp. Students were awarded with Gold and Silver medals with winning the GATE book for their future exam preparations.

Dr. Sudhakar Jindal, Director IQAC, GITs gave speech on encouraging students to participate in such activities. He said that in the upcoming time many technical events will be held and students should involve and participate in such events positively in order to make and introduce new innovation of real problems for the betterment of country and the environment. The Event was concluded by Dr. Mayank Patel, HOD CSE.

10. **Student Club Activities by the students of Mechanical Engineering in the month of September included competitions & Internships**. All these students were mentored by Ms. Surbhi Mishra, faculty Mechanical Engineering. Details of student participation is as follows:

- i. Student participation in **Online Awareness Programme on CII & iPATE** - An awareness programme jointly organized by AICTE & Confederation of Indian Industry to measure the industry readiness of engineering graduates on 21st September 2021. Students registered themselves for the programme through Google form.
- ii. Students participated in **“Innovesta”- An event jointly conducted by NIT Jalandhar & Institutions Innovation Club on 25th & 26th September 2021**. In this event, students have presented themselves on various “Innovesta tracks” which were provided by them via Google meet link.
- iii. Students participated in **Microsoft Virtual Internship** - A future ready talent programme organized by Microsoft to train students on data, artificial intelligence, cloud computing, cyber security and other technical skills. In this internship program, students enrolled themselves for the first batch to be started from 6th October 2021.
- iv. Department of Mechanical Engineering has its **R&I Cell mentored by Dr. Vishnu Agarwal and the R&I Cell members** consist of 4 departmental faculty members namely, Dr. Sauarbh Tege, Ms. Surbhi Mishra, Mr. Rahul Sen, and Mr. Udai Singh Chouhan. 19 students have participated in activities of this cell. Students have come up with innovative ideas & are working on their project proposals. The last meeting in the month of September took place on 30th September 2021.

11. A **3-week long Student Induction Program** for the new batch of B.Tech students in the **First Year** was organised to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration. The Student Induction Program engages with the new students as soon as they come into the institution; regular classes start only after that. At the start of the induction, the incumbents learn about the institutional policies, processes, practices, culture and values, and their mentor groups are formed. Various activities are organised during the Induction Program, some of which are as follows:

- Physical Activity
- Creative Arts and Culture
- Mentoring & Universal Human Values
- Familiarization with College, Dept./Branch
- Literary Activity
- Lectures & Workshops by Eminent People
- Visits to the Local Area
- Extra-Curricular Activities in College
- Feedback and Report on the Program
- Proficiency Modules

12. **CSE Student Club** organised an offline **Blind Coding Challenge** on **9th October 2021** for the students of CSE.




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13. The **Civil Engineering Students Club** organised a Picnic to Gupteshwar Mahadev, Udaipur on 27th October 2021 from 12:00 to 3:30 PM. A college picnic is a wonderful way to foster cordial and healthy relations among the students and gives an opportunity for faculty and students to break the ice and enjoy some relaxed informal moments that enhance departmental harmony. It also gives an opportunity to appreciate the students for a good performance in exams or a project. After enjoying a picnic, students feel fresh and are renewed with vigor.



Students and faculty members of civil engineering department visit Gupteshwar Mahadev temple near Titardi, Udaipur. Gupteshwar Mahadev temple is an old temple where students observed the architectural features and participated in various recreational activities. It was a wonderful picnic spot where everyone was touched by nature and spirituality.

14. **Student Club of Department of Management Studies GITS** organized a **Poster Making Competition on 25-10-2021** for the students of I Sem. The objective of the competition was to ignite the fire of imagination, creativity and co-ordination among the students. The theme of the competition was “Environmental Issues”. Students were asked to express their ideas through an array of posters in a group. In this competition students participated with immense zeal and enthusiasm. They made beautiful posters on topics like No Plastic, No Smoking, Cleanliness, Wear Mask, Save Water, Save Environment etc. Students thoroughly enjoyed the activity. Harshita Chouhan and Divyansh Joshi got the first position followed by Akash Dhupia and Sneha Mundra .



Harshita Chouhan and Divyansh Joshi got the first position followed by Akash Dhupia and Sneha Mundra .

15. Geetanjali Institute of Technical studies Udaipur conducted a **social activity on 26th October 2021, Tuesday, under the banner of National Service Scheme [NSS] and National Cadet Corps [NCC]**. The students of first year of Engineering as well as MBA participated in the activity. NSS volunteers managed the activity. The students took out a rally procession in the ‘Bhilon ki basti’ area of Dabok Udaipur. In the rally, the students held numerous posters giving the message to the people of the locality for creating social awareness with respect to – non consumption of plastic, non-consumption of tobacco, importance of plantation, importance of girl child education, importance of sanitation for health etc.


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The volunteers also chanted slogans to create social awareness as the procession marched on. The students had prepared the posters elaborately and were enthusiastic throughout the procession.

To manage the discipline during the procession march, faculty members of the institute were also moving along with the students. Overall, it was a successful social initiative taken by GITS, Udaipur.



16. Technical Quiz based on R Programming for MCA II Year Students on 17th Sept. 2021

17. Technical quiz based on Computer Fundamental on Induction day for Freshers on 21st Oct, 2021

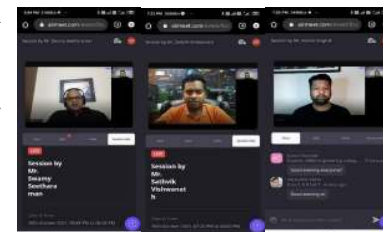


18. Presentation Competition -based on DBMS for MCA I Year Students on 4th Dec. 2021



19. GITSIANS (Students from all branches) participated in **Entrepreneurship Awareness Drive conducted by IIT Kharagpur** (as per MoU signed between GITS & IIT-KGP) on 30th October 2021 from 5:45 to 8pm. The sessions were taken over by Mr. Swamy Seetharaman, Lead (Engineering & Data), CRED who addressed the on topic of Creativity vs. Execution in start-ups. Mr. Ashish Singhal, Founder & CEO, CoinswitchKuber addressed on Making Money Equal for all through crypto & Mr. Sathvik Vishwanath, Founder & CEO, Unocoin. At the end of each session, students inquisitively raised their queries which were resolved by session speakers. Students received Certificate of Participation from IIT – KGP.

GITS – Innovation & Incubation Cell (GITS – IIC) took the initiative to motivate the students to get registered & participate for this awareness drive. This event was a self-driven activity for GITS –IIC Cell, which was mentored by Head Mechanical, Dr. Deepak Paliwal.



20. Student Club Activities organised by the department of MBA in the month of November:

i. **Marketing Club Activity on 13th November, 2021-** The Marketing Club conducted

live Research Project and experiential learning through observation and survey on Consumer Buying Behaviour on three big outlets of Udaipur city on 13th November, 2021. The students of MBA Part one and Part second Prepared PPT of the activity and shared their views & experiences drawn from Celebration Mall, Lake City Mall and V-Mart.

The brand image, promotions, perception and preferences of buyers with references to various offers & marketing strategies existing at those locations were recorded and then students analyzed brand image, equity and impact of brand endorser on the product.



ii. **Quiz Competition on 27th November, 2021-** Quiz competitions are always

interesting and informative, which provide excitement among students. In the department of Management Studies, GITS, a quiz competition was conducted on 27th November, 2021 on the occasion of Constitution Day .The main objective of this event was to make students aware of general knowledge and information related to our constitution. At the beginning of the program, Prof. Harshita Shrimali , HOD, MBA gave a brief introduction of the constitution to students after which the quiz started. Rules and regulations pertaining to the quiz were explained at the beginning. The Quiz had two rounds which included objective questions and direct answer questions that engaged the students for one hour. The students enthusiastically participated and showcased their brilliance by rapidly answering the questions. Though some of the questions were very tricky, the students tried to answer them with confidence. They found this competition very informative and enriching. The event was coordinated by Dr. Archana Singh. Lakshyaraj and Prachi were declared joint winners of the competition.



- iii. **Marketing students of MBA department** visited 3 malls (Shopping Centers) with the objective to identify the determinants of brand positioning in malls and to study the positioning by attribute, price quality, product user and positioning with respect to competitors. The students moved in a group of 4 to various malls of Udaipur city. The observation was that upcoming areas for growth of mall are smaller town and villages. As economic environment and shopper behaviour in these areas could be different. Malls are facing intense competition from high streets and emerging retail formats like e-retailing. Students with marketing specialization made keen observations at the shopping malls and delivered wonderful presentations on 14-15 December, 2021. Good interaction and experience sharing made the sessions worthwhile.



21. **Strategic Education Initiative- Campaign for Mental Health Awareness on 27th November, 2021 Audio Clip and Live Interview on FM -** Geetanjali Hospital with Geetanjali Institute of Technical Studies initiated a mental health awareness programme for school-college students and their parents. The “Mental Health Awareness Campaign” is taken up as Strategic Education Initiative (SEI) by Department of Management Studies. Under the initiative Department of Psychiatry has made two brief audio clippings covering the issue of stress and addiction among students. Further to launch the campaign and to increase awareness among students about the issue of mental health, a live interview at MY FM was scheduled on 26.11 21 (3.00 pm- 3.50 pm) at the MY FM office. The interview focused on mental stress arising from Covid situation, exams and academic backlogs.

A series of structured questions highlighting the contribution of GITS in making stress free environment for students, role of faculty and ways to handle academic stress were discussed during the interview. Geetanjali Groups’ Commitment to serve the society through this campaign was also highlighted by inviting students, parent groups, schools-colleges for any mental health related intervention.

Prof. Harshita Shrimali, Dr. Jitendra Jeenger (Prof. and Head, Dept. of Psychiatry, GMCH) and Dr. Manoj Kumawat participated as panelists based on pre-defined discussion attached as annexure A. The campaign will continue in form of lectures, workshops and seminars as per request received from institutions.

22. **Students’ of Mechanical Engineering participation at Institute of Engineers, India, - Udaipur Chapter - II & III Year students from ME participated & presented in one-day seminar (screening) on “Emerging Trends in Sustainable Manufacturing and Energy Systems”** organized by Institute of



Engineers, (India), Udaipur Local Chapter, under the aegis of Mechanical Engineering Division. In the first round students were screened on 13th December 2021 & in the Second Round on 19th December 2021 only the selected students participated. There were 9 teams from GITS; Total of 18 Students participated in the First round. Finally two teams (comprising of 4 students) got selected for second round. Overall there were 17 teams from different engineering colleges of Udaipur. Faculty Coordinators were Dr. Vishnu Agarwal (Professor, Mechanical Engineering, GITS) & Mr. Abhishek Joshi (Asst. Professor, Mechanical Engineering, GITS).

GITS Team Members Devendra Singh & Manvendra Singh from II Yr.-ME stood first in theme 1 (3D Printing Technology: A future of manufacturing). Manvendra was also appreciated for his outstanding presentation. Another team members Divyankar Sharma & Jatin Veerwal from II Yr. ME stood second in Theme 1 (Electric Vehicle: A clean system of Automobiles.)

23. **Ek Muthi Aann Yojna-** Both Units I & II of NSS-GITS started Bird Feeding concept in campus and near locality. On 27th of December 2021, students of GITS-MBA department performed a social group activity in the campus (Ek Mutthee Anaa Yojana) in which they fed birds and created a space from old buckets and pots for the birds to feed and drink water. This action was performed under the guidance of NSS group of GITS and management. They plan to conduct more such social activities in the near future.



24. **CSE department organized an International Conference on Multidisciplinary Application Research Technologies.**

25. **Blanket Distribution** at Ashraya Seva Sansthan, Hiran Magri Sec 14, Udaipur as organised by The **Universal Human Values Cell** on 14th November 2021 coordinated by Ms. Anjali Dhabhai.

26. **Two-day Science Activity** on 28th & 29th May 2022 was organized for students of First year by Dr. Vishal Jain and Dr. Hina G Oza to make students observe and understand optical phenomena in real life.

27. **Maharana Pratap Jayanti** was celebrated by first year students on 2nd June 2022 the event was coordinated by Ms. Anjali Dhabhai

28. **Events organised by CSE Student Club in the academic year**

- Code Chef Chapter Induction Program for first and second year held on 27/11/21
- Code Chef Chapter organized an Event “Crack-A-Code” on 20/12/21.



- iii. Webinar on Relevance of Data analytics in the Global Scenario on January 2022.
- iv. Organized “Website Making Competition” on 19/2/22.
- v. Expert Talk Organized by Ms Akanksha Jain on 24/2/22.
- vi. Webinar Organized on the topic “Intro to Metaverse” on 25/3/22.
- vii. Workshop Organized “Hands on React Js” on 28/3/22.
- viii. Organized Webinar on “Robotic Process Automation Developer camp” on 14/4/22.
- ix. Organized a Hands-on-Workshop on “Front end styling in React” on 30/4/22.
- x. Webinar organized “Career Prospects in Automation Related” on 30/4/22.
- xi. Workshop organized “AR effect on spark AR studio” on 25-26/6/22.



INDUSTRIAL VISITS

1. The **ECE Department** organised an Industrial Visit to Tempsens Instruments (I) Pvt. Ltd. Unit I, B-188A, Road No. 5, MIA, Madri, Udaipur -313 003 (Rajasthan) on 27th November, 2021 @ 1:30 PM to make the students of ECE aware with industry standards and products. The students were familiarized with different types of Contact Temperature Sensors and Accessories and saw the design and development of various types of Thermocouples, Resistance Temperature Detectors, Thermowells & Accessories, Gauges, Temperature Calibrators, Nickel & Thermocouple Alloy etc. 18 students of Third Year out of 20 participated as per attendance sheet attached.



After attending this visit, students were able to decide their future career path. They also learned about the scope of electronics & communication domain in the industry.

2. Industrial Visit to Tempsens Instruments (I) Pvt. Ltd. - Unit II, A-190, Road No. 5, MIA, Madri, Udaipur on 8th December, 2021



3. ECE III & IV Year Students visited hardware industries “Raj Enterprises” in Ghaziabad, New Delhi.



4. The Department of Civil Engineering organised an Industrial visit to Zonal Railway Training Institute, Udaipur (ZRTI) for Final Year Students in the academic session 2021-22 on 27th October 2021 from 10:30am -1:00 pm. The objectives of the technical visit was to provide knowledge of railway engineering and different operations of railways as well as to understand the working of railways and changes in railway systems from 1960 to the Modern Era. In Civil engineering, final year students have a course on Transportation Engineering (Railway Engineering) in which they study about the Railways. This visit would enable students acquire brief knowledge of different



operation of railways by close observation of the site. They learned about the development of railway system from 1960 to Modern Era and received detailed information about the different models related to railways and experienced practical working of railway system by different models and exhibits.

The Sr. Mechanical Instructor, Mr. N. K. Shrimali and Mr. K. G. Soni, Transportation Assistant explained and demonstrated the technical aspects and implementations of various systems and technologies used by the railways. Students learned about how different operation like track change, crossing, signalling works in railway system. They also acquired knowledge about how brakes are applied by trains.

5. First year students visited Janardan Rai Nagar, Rajasthan Vidyapeeth (Deemed to be University), Airport Road, Pratap Nagar, UDAIPUR 313001 (RAJASTHAN) with students



for the Human Values session coordinated by Dr. Deepika Sahu. Students learnt about the values which are universal in nature, applicable to all human beings, in all places and at all times, e.g. truth, love and compassion.

6. Industrial Visit to JK Laxmi RMC plant was organised for 3rd & 5th Semester Students (20 Students + 15 Students = 35) of the Civil Engineering Department on 27th October 2021 from 11:00am -3:00 pm. The visit was organised to illustrate to the students about the processing at RMC and provide them knowledge of building materials (cement, sand, aggregates, M Sand), and aspects of Quality Assurance and Quality Management. This



industrial visit was quintessential for all civil engineering aspirants as they would acquire practical knowledge about the ready mix concrete, M-Sand, AAC blocks, various operations

of concreting (Mixing, batching, placing, compacting etc.) and on-site cube testing and workability test by slump cone method. The Deputy Manager at the JK LAKSHMI RMC plant unit, Mr. Dharmendra Kumar after a detailed explanation about the processes and technical aspects of the RMC plant he answered the queries of the students.

7. **Industrial Visit to “Maharana Pratap Airport” organised for students of Civil Engineering on 30th November 2021** from 11:00 AM to 2:00 PM. On receiving the letter of permission from Airport Authority of India, Dabok, Udaipur, Rajasthan, students of 7th Semester, Civil Engineering Department, GITS, along with faculties Mr. Rajanikant Suthar and Mr. Ajay Nagda went to Maharana Pratap Airport, Dabok on 30th November 2021.



8. **Industrial Visit for III Year EE Students to Power system Engineers and Consultants Pvt. Ltd.,** Sunderwas, Udaipur (A unit of Electrical Machine, Transformer winding design section) on 13th November 2021.



9. **Industrial Visit organized for EE III & II Year Students on 27th November 2021 to 220KV GSS Eklingpura Udaipur.** Rajasthan Rajya Vidyut Prasaran Nigam Limited (RVPN) a company under the Companies Act, 1956 and registered with Registrar of Companies as "RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED" was established on 19 July, 2000 by Govt. of Rajasthan under the provisions of the Rajasthan Power Sector Reforms Act, 1999 as the successor company of RSEB. During this visit, students learnt and acquired knowledge about Single line diagram, Power transformers, Bus-Bar, Potential transformer, Current transformer, Lightning arresters, Circuit breaker, Isolator, Bus coupler and Sectionalizer.



10. Students from department of **Electrical Engineering**, II year had been to industrial visit at **Yadav Measurement Pvt. Ltd, Udaipur** with faculty members, Mr. C.P.Jain, Mr Arvind Singh Rathore and technical Assistant, Mr Harish Kumar Chouhan. Yadav Measurements is a trusted brand with NAB, UKAS accreditation and BIS recognised testing laboratory for testing energy meters as per national and international standards. It has world class facilities, experienced manpower and competent processes help the laboratory maintain high quality standards and valid traceability.



Students gained practical exposure on Electrical Testing and electro- technical calibrations and learned practical applications about AC power and energy, electrical instruments, gas air flow and volume meters, instrument transformer, test bridges, testing of special energy meter, EMI / EMC equipment calibration, transformer loss measurement system etc.

11. 1-Day **Industrial visit** organized for II year students of Mechanical Engineering at **Shah Polymers, Udaipur** on 16th Feb, 2022.

12. 1 Day Industrial visit organized for II year students of Mechanical Engineering to Vaibhav **Industries, Udaipur** on 16th Feb, 2022.

13. Final year students of Mechanical Engineering department visited **SHREEJI Engineering Works, Udaipur** with faculty Mr. Rahul Sen.

14. Industrial Visit of III Yr Students 10th to 16th May 2022.

15. The **Department of Electrical Engineering**, GITS organized a two-day Industrial visit to KSTP Kota and RAPS Rawatbhata and Heavy Water Plant, Kota from 4th to 6th April 2022 for B.Tech 2nd and 3rd year B.Tech. Electrical students. Total 35 students along with 3 faculty member visited the following sites-

- i. Rajasthan Atomic Power Station, Rawatbhata, Chhittor
- ii. Kota super Thermal Power Station, Kota
- iii. Heavy Water Plant (D2O), Kota

The main objective was to provide exposure to students about practical working environment and an insight regarding internal working of companies and give them an opportunity to learn the functioning of a coal-based steam power plant, a nuclear power plant and understand the concept and working of the various parts of a Heavy Water Plant. The students visited the Hanging Bridge, Godavari Dham Balaji Temple, Karai Ke Balaji Temple, Kota Barrage, Super Thermal Power Station (KSTPS), Rajasthan Atomic Power Station (RAPS) and Heavy Water plant at Rawatbhata.

- Site Description - KSTPS – Kota Thermal Power Plant is Rajasthan's first major coal-fired power plant. The total installed capacity of KSTPS is 1240MW. The coal used is



Bituminous Coal. 2 training supervisors from KSTPS accompanied the team to the control room of KSTPS that monitors and controls complex systems, the Turbine and Alternator section, Boiler, Coal mill, Coal unload section and Cooling tower.

- Site description – RAPS - The Rajasthan Atomic Power Station located at Rawatbhata was constructed in 1963 and is operated by Nuclear Power Corporation of India Ltd (NPCIL). It has total of 6



reactors with Rana Pratap Sagar Dam and Chambal River as the main cooling source for RAPS. At the RAPS training center the students learned the importance of fusion and fission and the working mechanism of atomic power plant. They then visited the control room, turbine & Generator section, Plant working area, Transformer, and also the natural air cooling tower.

- Site Description- Heavy Water Plant - Capacity of the plant is 80 MT/ Year. Operating pressure is 20 Kg/Cm². Heavy water plant is a solely indigenous effort and is based on the Bithermal H₂O – H₂S exchange process.

TRAINING & WORKSHOPS

1. **Specialization Selection for MBA students designed and coordinated by Dr. Manoj Kumawat** - A 5-day awareness programme jointly organized with Career Development Centre, GITS on specialization selection **concluded on 3rd August 2021**. The objective of the activity was on empowering students with academic understanding, experience sharing and rational process to choose right combination of specialization. Students requiring clarity in decision making for specialization selection participated in the programme. Total 38 students had registered for the programme and participated in the expert lecture organized on 31st July 2021. Mr. Arun Singhal, Ex. Head Corporate Relations, IIM Udaipur delivered an interactive session on "How to Choose the Best Career". Students asked questions related to specialization on academic and the industry front. In total 24 students participated in quiz and personality assessment. A counselling session was also organized by Placement Department on the 4th day in which students asked about job roles and industry specific questions. All students were given a report on fields related to specialization selection, quiz and personality assessment test. Sample report is available as proof if required. The department resolves to continue this strategic initiative for future batches as well.

2. **In-House Training organised for III Year EE (2019-23 Batch) from 2nd to 22nd September 2021**. Faculty & TAs responsible for this training were Mr. Abhishek Sharma, Mr. Kiran Nagda, Mr. Arvind Singh Rathore, Mr. Harish Kumar Chouhan, Mr. Leeladhar Teli and Rajiv Nahta. The topics covered through this training were Safety, Mechanical Tools. Instrument Tester, Series Test Lamp, Multimeter, Megger, Clamp Meter, Teco Meter, Wattmeter, House Wiring, Tube Light, Fan, Energy Meter, One Way Switch/Two Way Switch, Overall House Wiring, Hardware, Switchgear Components(MCB, MCCB, ELCB, RCCB, Shunt Relay, Thermal Relay, Contactor, Timer, Spt, Acb, Ct, Tb, Bus Bar, No-Nc Push Button, Selector Switch, Changeover, Induction Lamp Emergency Stop Push Button, Ass/Vss, Limits Switch, Sensors, Solenoid Valve, Testing(Motor, Cable, Switchgear), Overall Testing, Transformer, Inverter(Load Calculations, Wiring), All Formula(KW to HP, HP to KW, KVA to KW, Rating For Cable, Contactor, MCB, Relay According To Motor).



3. **Value Added Certification** conducted by **Civil Engineering department** for V Semester Session 2021-2022 from 6th to 22nd September 2021. The main objective of the training was to teach essential concepts and practices related to shear force and bending

moments, hands-on practice of various surveying Instruments in various surveying operations & learn all practical works related to Concrete Technology. The other contents of the training included Basic Information about Shear force and Bending Moment, Application and hands-on practice on various Surveying Instruments like auto level, Theodolite, compass, total station etc. various Cement quality Assessments Tests like Fineness test, soundness test, consistency test, etc., various Workability tests of Concrete and Quality Parameter tests of fine and Coarse Aggregate test. A total of 32 students enrolled for the training and clocked 60% attendance.



4. **15-Day Value Added Certification** conducted by **Civil Engineering department** for III Semester Session 2021-2022 from 14th to 28th September 2021. The main objective of the training was to give an insight into the field of civil engineering covering Mega-structures, Measurement (Area & volume calculation), glimpse on construction components, understanding the concepts of Green and smart buildings, training on Microsoft office works



like MS word, MS excel, MS PowerPoint etc.

A training Seminar on Building materials and components about the different materials involved in civil and construction engineering was also included.

A total of 34 students enrolled for the training and was attended by 20 students. The training program was conducted successfully and all the participants took an active part in the training. The results from the pre and post-evaluation were recorded and feedback taken.

5. **In-House Training organised for II Year EE (2020-2024 Batch) from 16th to 29th September 2021**. The faculty and TAs responsible for conducting the training were Dr. Monika Vardia, Mr. C.P.Jain, Mr. Harish Kumar Chouhan, Mr. Rajiv Nahta and Leeladhar Teli. During This Training student learn and acquire knowledge : Safety, Electrical Tools, Electrical & Electronics Symbols, Series – Parallel Circuit For Resistance, Capacitor, inductor, Ohm's law, AC – DC Voltage and Current Measurement by Multimeter, Electrical device, Electronics components Test by Multimeter, Power Measure by



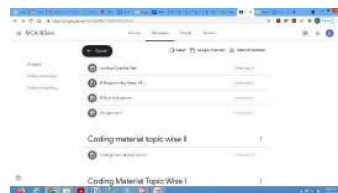
Wattmeter, Unit Measure by Energy Meter, Tester, Series Test Lamp, To Control One Lamp by One Way Switch, To Control One Lamp by Two Way Switch (Stair case), Godown Wiring (Corridor Wiring) ,Testing and Working of Tube Light, Testing and Working ,of Ceiling Fan House Wiring, Fuse, MCB To convert AC Supply into DC Supply by Bridge Rectifier Testing and Working of Single Phase Step Down - Step up Transformer.

1. CSE student club and Department of Computer Science organised an offline **STTP on Competitive Programming from 13th to 28th September 2021**. The Resource Persons for which were Ms. Jyoti Kaushal and Mr. Vishal Jain (CSE). The STTP was attended by 110 students. This competitive programming was planned to make students ready for technical competitions which students encounter at various levels of placements and competitive exams. This training was designed to revise the concepts of basic C/C++ programming and give them hands-on practice sessions to implement basic and advanced concepts of programming.



Prerequisites: Students should already be comfortable using the operating system (Linux, UNIX, Windows, Solaris, Mac-OS, etc.) on which they will be running C/C++. While not mandatory, basic skills with at least one other programming language are desirable. **Objectives of the training** was to revise concepts of programming, implement basic fundamentals and concepts practically, logical thinking enhancement with respect to coding and prepare for various placement drives and entrance exams. **Outcome:** After this short term Training Program, students will be able to understand concepts and fundamentals of Competitive Programming and can use them in various programming languages.

2. The MCA department conducted a **45-day Training on R Programming for MCA II year students from 23th Aug to 14th Oct. 2021**. The content and all assignments related to training was provided to students on Google Classroom and numerous Quiz and Presentation activities were held to assess the performance in the training. The Google Classroom link shared with students: <https://classroom.google.com/c/Mzk4Mzc1MDE1MDU5?cjc=vyczircg>



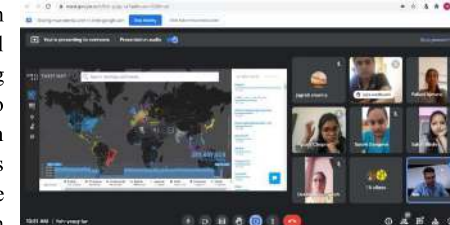
3. The **Department of Management Studies initiated a two-week strategic education initiative of “Bridging the Management Education Gap”** Programme for newly admitted

MBA students in batch 2021-23. The 2-Week programme focused on learning outcomes of the MBA Programme. The schedule of the programme was-

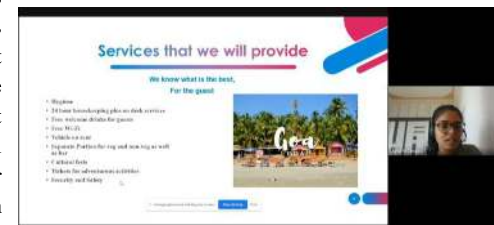
Timings	Topic
Week 1 Morning Session Afternoon Session	- English Language Comprehension - Soft Skills - Group Discussion
Week 2 Morning Session Afternoon Session	- Business Awareness - Business Analytics - Team Work

A total of 31 students attended the 2-week program as Batch-1 during 13th to 25th September 2021.

The sessions were delivered by Dr. Manoj Kumawat and Mr. Ashish Awasthi. The mode of the programme was conducted online through Google Meet platform. The format as well as the expectations from the students during the pre-induction program was explained to students thoroughly. Since the program was conducted online, a list of netiquettes was handed over to the students to ensure the effectiveness of the pre-induction program.



During the first week, news analysis was conducted on a daily basis. This was done in order to ensure that students remain in touch with the happenings in the world of business. It was deemed that a daily session on news analysis will enhance their vocabulary as well communication skills. Apart from daily news analysis, sessions on soft skills were conducted. These included self-introduction, use of social media for personal gain, email etiquettes etc. Students were given exercise each day in order to ensure a balance between theory and practice. The exercises include matching brands with companies, finding the names of CEOs of organization, discovering the brands under various conglomerates etc.



During second week students were made aware about the business analytics at local, regional and international level. In order to make them understand the basic business analysis at local level, a practical exercise was given in form of “vegetable and fruit buying” from local vendor, local market and city market. Students presented their understanding through presentations at the end of the week.

In similar pattern Hotel Industry Analysis was given to students for regional and international business analysis. Students on real-time basis analysed five different hotel markets in country and presented their understanding through PowerPoint presentations. The presentations were

duly assessed by faculty members and Director, MBA. The presentation and activity was done thorough teams in order to make them understand the importance of teamwork in corporate environment.

Further, as a strategic education initiative the program is continued for batch second which will conclude in month of October 2021.

4. **In-House Training for II Year EE (2020-2024 Batch) from 01/10/2021 to 05/10/2021** that covered conversion of AC Supply into DC Supply by Bridge Rectifier, Testing and Working of Single Phase Step Down - Step up Transformer. The training was followed by Practical Test and Viva.

5. **One-day practice session of in-house training for III Year EE (2019-2023 Batch) on dated 09/10/2021**

6. **Training on AutoCAD and Automation** conducted by Ms. Manisha Joshi and Mr. Abhishek Joshi in the department of **Mechanical Engineering and Technical training** for final year students eligible for **Placement in Pinnacle CAD** conducted by Dr. Deepak Paliwal.

Mechanical Engineering Department organised a 2-day workshop on Sensor Guided Robotics on 15th and 16th November, 2021 from 10:00 AM to 4:00 PM). The objective of

the workshop was to give understanding about the fundamentals of the Robotics and automation. The resource persons for the workshop were Mr. Abhishek Joshi & Ms. Manisha Joshi, Assistant Professors from the ME dept. The programme started with lamp lighting by Dr. Vikas Misra, Director (GITS), and Dr. Deepak Paliwal, HoD (ME), GITS. In the welcome speech Prof (Dr.) Visas Misra, Director (GITS) shared his views with the participants that if they want to develop themselves, then attending such workshops would enhance their technical skills. The Workshop covered the fundamental understanding of Sensor Guided Robotics from basic level. Different components & wiring of robot and programming of Arduino UNO were explained in detail with live demonstration. The students were taught how to use the Proteus Simulation Software.

Students developed 3 different basic autonomous robots which are guided using sensors. The first robot will be a line-follower which is programmed to follow a line. This robot detects the path using infra-red sensors which work on the principle of reflection of light. Using the same sensors, Student also developed robots that can avoid obstacles and edge.

Inhouse expert Ms. Manisha Joshi explained about Arduino & Arduino Board Description, Different types of Sensors, Programming & Algorithm Analysis. Mr. Abhishek Joshi explained



Proteus Simulation Software & Basic gates simulation on Proteus, Arduino with Proteus.

A total of 53 students participated in this workshop and understood how to build robot using Arduino UNO, how to simulate on Proteus Software and are capable of building any project of their choice. It was a complete hands-on practical based learning experience that also enhanced the understanding of electronic circuits involved and it's working.

Valedictory Session: Receiving an overwhelming response with participants, workshop came to an end with valedictory session, graced by Dr. Deepak Paliwal. Mr. Abhishek Joshi and Ms. Manisha Joshi summarized the outcomes of the workshop. All participants appreciated the department for organizing this workshop. The program ended with vote of thanks by Ms. Deepti Mehta.

7. **5th Training & Placement** program for final Year students by **Thermax Ltd.**

8. Training on **Industrial Automation** for III year Students (45 Hrs.@3 Hrs per week)

9. Training on Solid Works for II year Students (45 Hrs. interrupted due to RTU exams)

10. Department of Computer Science & Engineering and CSI Udaipur Chapter conducted a **2- Day Workshop on Blockchain on 22 and 23 November 2021**. The resource person for the offline workshop was Mr. Rakshit Kothari, Assistant Professor (CSE). The workshop provides overall introduction to Blockchain technology and its application in real world organisations.

A hands-on workshop on how Blockchain, the technology of decentralized and transactional sharing of data across a large network of untrusted participants can be implemented in organisations.

The objectives of this workshop are to disseminate the knowledge of Blockchain technology among students, to better understand Blockchain technology and its implication to security, enhance the ability to analyse and evaluate the current status of Blockchain technology and its maturity and to discuss the current status of the Blockchain development and research work in India and across the world.

The workshop was attended by 133 students. After attending this workshop, students will be able to understand and expand their knowledge of how Blockchain and Bitcoin work as well as how they are applied in organization and business; to understand how Smart Contracts work; apply the learning of solidity and de-centralized apps on Ethereum; students may also be allowed to participate in various initiatives inside an organisation.



11. **Department of Civil Engineering organized a national level Three Days National Workshop on "GIS and Remote Sensing" from 22nd to 24th November 2021**. The main aim of the workshop was to provide a platform for students, faculty members and researchers in the area of GIS and RS. The workshop had a total of 52 participants.

12. Trainings organised for **Civil Engineering** students to prepare them for **GATE Examinations** by **Om Krishna Sharma** and **Kapil Gautam**.

13. 1-Day Workshop on Flutter by Mr. Harsh Soni (CSE) conducted by the **Department of Computer Science & Engg. on 20th November 2021**. The objective of the workshop was to provide overall introduction to Flutter technology and its application in real world organisations. A hands-on workshop for students on Flutter, the technology of Flutter is an open source framework by Google for building beautiful, natively compiled, multi- platform applications from a single codebase. After attending this workshop, students are expected to understand and expand their knowledge of how Flutter works as well as its practical implementation while making application. The workshop was attended by 25 participants.



14. Department of Management Studies, Geetanjali Institute of Technical Studies conducted a workshop on **‘Digital and Social Media Marketing’ for MBA students on 26th November, 2021**. The workshop was conducted by **Mr. Sarvesh Pancholi**, founder, DigiHakk. During the workshop, **Mr. Pancholi** interacted with the students and informed them about the influence of digital and social media in the world of marketing. He emphasized on the benefits that companies are deriving out of digital marketing and educated the students on the scope, potential and applications of digital and social media marketing. The workshop had an inquisitive audience where students had a lot of questions in their minds which were patiently answered by **Mr. Sarvesh Pancholi**. At the end of the workshop, **Mr. Ashish Awasthi** presented the vote of thanks while **Dr. Manish Sharma**, Associate Professor, presented a token of gratitude to **Mr. Sarvesh Pancholi**.



15. One-day Workshop was organized on **“An overview of Digital Marketing a new way to build a successful career”** by the department of MCA on 27th Nov 2021. The trainer **Mr. Sarvesh Pancholi**, a young entrepreneur and Director of DigiHakk is an expert in digital marketing. The topics covered in

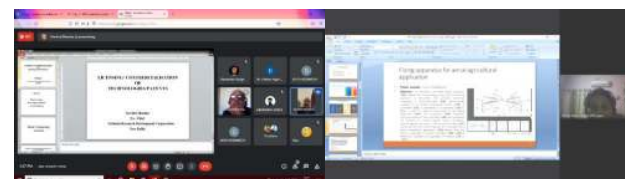


the workshop were based on E-Commerce Marketing, Search Engine Optimization, and Social Media Marketing.

16. 20 students of IV Year EE successfully completed a 2-day training on Matlab Onramp Course for Electrical IV Year on 26- 27 November 2021 conducted by **C.P.Jain**, Assistant Professor –EE. Matlab On Ramps courses are designed to pique intellectual curiosity, stimulate scholarly inquiry and dialogue, and help students develop the skills, academic behaviours, and work habits necessary for college and career. The topics covered in this training were Matlab commands, MATLAB Desktop and Editor, Vectors and Matrices, Indexing into and Modifying Arrays, Array Calculations, Calling Functions, Obtaining Help, Plotting Data, Importing Data, Logical Arrays and programming.

17. Two -day workshop on Intellectual Property rights for research for students of Mechanical Engineering was organised from 3rd Dec to 4th Dec 2021. The workshop was inaugurated with welcome address by **Dr. Vikas Misra**, Director GITS & wise words from **Dr. Sudhakar Jindal**, Director IQAC. **Dr. Deepak Paliwal**, Head Mechanical Engineering presented brief of the workshop to the participants. The Workshop comprised of two sessions each day of One-hour duration.

- Day 1 Date: 3/12/2021 Time: 1:30 pm -2:30 pm - Speaker of the session was **Shri Govind Sharma** (Ex. Chief, National Research Development Corporation). He introduced the participants about IPR.
- Day 1 Date: 3/12/2021 Time: 2:30 pm -4:30 pm - Speaker of the session was **Mrs. Pooja Kumar** (Registered Patent Agent Government of India). She delivered her session on MSME Legal Patent Filling Process.
- Day 2 Date: 4/12/2021 Time: 1:30 pm -2:30 pm - Speaker of the session was **Mr. Satish Kumar** (Registered Patent Agent Government of India). He delivered his topic on “Technology Transfer & Commercialization”
- Day 2 Date: 4/12/2021 Time: 2:30 pm -4:30 pm - Speaker of this session was **Adv. Apoorva Thakur**, .She is advocate & NET Qualified Assistant Professor (Law). She delivered her lecture on Legal Implications of IPR - Entitlements & Violations.



18. A training workshop was conducted on Spark AR on 9th December 2021 for students of CSE.



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19. A **AR Bootcamp aka New Year Lensathon Event** was organised by **Hack2skill** on **25th December 2021** at 11:00 am to provide hand-on training on how to build lenses using **Lens Studio**. Numerous students from the **CSE** department attended the bootcamp.



20. An Expert talk was organized by the dept. of ECE for all **GATE Aspirants** on **28th January 2022** through online mode.



21. International Seminar on **Design Thinking** for solving problems with **Mechanical Engineering** by Dr. Yash Chawla, Assistant Professor, **Wroclaw University of Science & Technology**, Poland.

22. Training organised for students of ECE from 14 to 18 May 2022 on **Raspberry Pi for III & IV Year** students.



CENTRE OF EXCELLENCE

1. Proposal to set up **Centre of Excellence on Industrial Automation** sent to RTU, Kota by the Department of **Mechanical Engineering**.



MEMORANDUM OF UNDERSTANDING

1. **Entrepreneurship Cell, IIT Kharagpur & Geetanjali Institute of Technical Studies,(GITS) signed Memorandum of Understanding on 22/9/2021** to associate with each other. This MoU was signed to present largest nationwide entrepreneurship drive “Entrepreneurship Awareness Drive “(EAD) in Udaipur - 2021. According to this MoU, GITS is expected to intensively publicize the event in its network and share relevant contacts of the city with Entrepreneurship Cell, IIT Kharagpur.


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FDP

Faculty development should lie at the heart of any higher education institution to create and emphasize learner-centred teaching. There are many ways for faculty to upskill themselves: attending conferences and training programmes, getting involved in research projects, earning online certification through various MOOC portals and through relevant FDPs. The Department of Humanities and Science, Geetanjali Institute of Technical Studies has experienced faculty members which are the backbone of the teaching-learning environment and academic administration at the Department. Hence, it becomes imperative to provide them with opportunities to upgrade their skills to meet the current expectations and future challenges.

1. **FDP/Workshop/Seminar/Conference attended by faculty from Department of Humanities & Sciences**

Faculty Name	No of FDP/Workshop/Seminar/ Conference Attended by Faculty
Dr. Radha Chaudhary	3
Dr. Vishal Jain	3
Dr.Charu Khamesra	6
Dr.Hina G Oza	1
Dr. Deepika Sahu	6
Dr.Gajendra Pal Singh	1
Dr. Rekha Lahoti	7
Dr.Varun Humad	3
Ms. Anjali Dhabhai	6
Ms. Kavita Sharma	3
Ms. Kritika Sharma	1

- i. Department of Humanities & Sciences organised one-week Faculty Development Program from 25th to 29th April 2022 on “Research Methodology- Tools and Techniques”. More than 242 participants from all over India and abroad participated in the program. The dignitaries present in inauguration were Dr. Vikas Misra (Director, GITS), Dr. Sudhakar Jindal (Director, IQAC, GITS) and Prof. P.K. Jain (Director, MBA, GITS). The inaugural talk on “An Introduction to Research

PROGRAM SCHEDULE	
Day 1 25-04-2022	- Research Methodology: an Introduction (Technical Introduction to IQAC) by Dr. Vikas Misra, Director, GITS - MS Excel in research by Prof. P.K. Jain, Director, MBA, GITS
Day 2 26-04-2022	- MS Excel in research by Prof. P.K. Jain, Director, MBA, GITS - MS Excel in research by Prof. P.K. Jain, Director, MBA, GITS
Day 3 27-04-2022	- Research Methodology: Tools and Techniques by Prof. P.K. Jain, Director, MBA, GITS - Public Seminar by Dr. Sudhakar Jindal, Director, IQAC, GITS
Day 4 28-04-2022	- Research Methodology: Tools and Techniques by Prof. P.K. Jain, Director, MBA, GITS - Public Seminar by Dr. Sudhakar Jindal, Director, IQAC, GITS
Day 5 29-04-2022	- Research Methodology: Tools and Techniques by Prof. P.K. Jain, Director, MBA, GITS - Public Seminar by Dr. Sudhakar Jindal, Director, IQAC, GITS

Methodology" was given by Dr. M. Anand (Sr. Scientific Officer, Jawaharlal Nehru Planetarium, Bangalore).

2. Add-on /Certificate Courses completed by Faculty of Humanities & Sciences

- i. 2 year diploma completed by Dr. Charu Khamesra on Food and Nutrition from Bharat Sevak Samaj on 09/05/2022
- ii. Dr. Vishal Jain completed Introduction to Thermodynamics : Transferring Energy from COURSERA on 09/03/2022.
- iii. Dr. Hina G Oza completed Data Science Foundation from Great Learning on 10th May 2022
- iv. Dr. Rekha Lahoti and Dr. Varun Humad completed Emerging Applications of Mathematics and Statistics in Engineering Science and Technology from NIT Rourkela from 9th May- 15th May 2022.
- v. Prof.(Dr.) Charu Khamesra completed course on Data Science Foundation from Great Learning on 22nd May 2022.
- vi. Dr. Rekha Lahoti completed Integral and Vector Calculus from SWAYAM NPTEL from Jan-April 2022.
- vii. Dr. Charu Khamesra completed a course on Youtube and Video marketing from Youtube on 2nd June 2022.

3. Dr. Rajeev Mathur attended Ministry of Education & Innovation Cell sponsored "National Webinar on Research, Innovation and Ranking" on 11 Aug 2021.

4. FDP/Workshop/Seminar/Conference attended by faculty from Department of ECE

- i. ATAL FDP on Branding of HEIs for Enhanced Outcomes from 13-17 Sept 2021 attended by Dr. Rajeev Mathur, HoD – ECE.
- ii. Dr. Meena Kushwaha participated in 4 day workshop on SCFs organised by Rajasthan State Council Education Research & Training, Udaipur.
- iii. Dr. Rajeev Mathur Attended Webinar for Faculty - AICTE Student Learning Assessment Project (ASLAP): on 23 Aug 2021 on you tube.
- iv. Dr Meena Kushwaha participated in "Online UHV Refresher 1" organised by AICTE from 23 August to 27 August 2021.
- v. Dr Meena Kushwaha completed "ATAL FDP on Embedded Design and Development using Free / Open Source Tools" from 09 to 13 August 2021; ATAL FDP on Signal Processing and Machine Learning towards Engineering Applications. From 23 to 27 August 2021.
- vi. Ms Tina Bhati participated in International Conference on 'Recent Innovations in Engineering & Technology for Sustainable Living (RIETSL-2021)', 'Implementation Of Retrofit Data Acquisition System Using LoRa for Industry 4.0' on 8th & 9th September 2021.
- vii. Ms Tina Bhati completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on Nano Electronics and RF Engineering from 06 to 10 Sept 2021; Recent Advances in Control Systems-2021" from 18 to 22 October 2021; Frontiers of Green technology: Sustainable Engineering" from 21-25 September 2021.

- viii. Mr. Rahul Moud completed AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things" from 13-17 September 2021
- ix. Ravi Teli completed ATAL FDP on "Advanced Communication Systems- A Research Perspective" from 09- 13 August 2021; "Signal Processing and Machine Learning towards Engineering Applications" from 23- 27 August 2021.
- x. Ravi Teli completed FDP on "a2z of NBA Accreditation Process" during 24th August -September 09th, 2021 organized by Indraprastha Engineering College, Ghaziabad; Conduction of Laboratory Classes for Electronics & Communication Engineering during Pandemic" MCKV Institute of Engineering, Liluah, Howrah from 25th to 29th October, 2021.
- xi. Dr. Sabir completed ATAL FDP on "Emerging Trends in OFC Technology" 2-6 Aug 2021 and "Framework for Online Assessment", from 16-20 Aug 2021. on "Branding of HEIs for Enhanced Outcomes" from 13-17 Sept 2021
- xii. Ravi Teli attended two-day Workshop on 'Improving Research & Performance Outcomes' at Elsevier's Zoom Webinar, on Thursday 19 August, 2021 and 'Intellectual Property Rights for Research' held on 03 & 04 December 2021 at Geetanjali Institute of Technical Studies, Udaipur.
- xiii. Rahul Moud attended two-day Workshop on 'Improving Research & Performance Outcomes' at Elsevier's Zoom Webinar, on Thursday, 19 August, 2021.
- xiv. Mr. Rakesh Jain, Assistant Professor, ECE Deptt, attended Webinar on the topic Metaverse: A common man's view on 18th June 2022 organized by BVICAM, New Delhi.

5. Add-on /Certificate Courses completed by Faculty and Students of ECE

- i. Mr. Mayank Sharma (IV Yr Student) completed course on "AWS Cloud code for Beginners" by KodeKloud on 11-10-2021, and AWS Cloud Technical Essentials on Jan 30, 2022 with her partner in National Championship at Bhopal.
- ii. Md Ateek Samma Completed internship at Al-Aziz Plastic Pvt Ltd. Mumbai on 18th July 2021
- iii. Ms Deepali Soni completed Training from Internshala on Data Science.
- iv. Sumit Jhalwat completed courser Certificate course on "Programming for every Body" by University of Michigan.

6. The members of the Civil Engineering department have attended the following FDP programs, the details of proofs to substantiate the info can be provided.

- i. Three-day National FDP on "Sustainable Concrete Technology and its Construction" attended by Dr. Sangeeta Choudhary and Mr. Denis Jangeed from 1st to 3rd July 21.
- ii. One-day FDP on "Mechanics of Cement" by Mr. Kapil Gautam, dated 3rd July 2021
- iii. AICTE FDP by Mr. Gaurav Sharma on "Advances in Earthquake Engineering" from 26-30 July 2021.
- iv. FDP on "RS & GIS Application in Civil Engineering" dated 15/7/21 to 17/7/21 by Mr. Denis Jangeed.

- v. FDP on “Cyber Safety and Security” duration from 26th -31st July 2021 by Mr. Denis Jangeed
- vi. FDP on Tax Computation Planning Filling of ITR dated 19-23 July 2021 by Mr. Denis Jangeed
- vii. National FDP attended by Denis Jangeed on Modern Methods For Effective Teaching & Learning dated 17th to 21st Aug 2021.
- viii. FDP On Principal & Building application science by Mr. Gaurav Sharma
- ix. AICTE-NPTEL FDP on Geotechnical Engineering Laboratory by Kapil Gautam
- x. FDP by Denis Jangeed on Innovative Teaching Learning Pedagogy using ICT tools conducted by IQAC, Viswakarma University, Pune on 23rd October 2021
- xi. FDP by Denis Jangeed on National Education Policy: A Roadmap for future India from 25th – 31st October 2021.
- xii. AICTE / NPTEL FDP attended by Mr Ajay Nagda on Workshop on Integrated Waste Management for Smart City.
- xiii. FDP on ‘Laboratory Practice on Civil Engineering Materials – Concrete’ from 13-17 Dec 2021 attended by Kapil Gautam
- xiv. FDP on ‘Renewable Energy Resources’ Date: 22 to 24 Dec 2021 by Kapil Gautam
- xv. FDP on ‘Autodesk Auto CAD Civil 3D: For Engineers and Designers’ on 16th Dec 2021 by Denis Jangid.
- xvi. FDP on ‘GUI based FPGA Programming’ Date: 20-24 Dec 2021 by Denis Jangid
- xvii. Five Days FDP on “Emerging Trends in Construction Technology” from 13th to 17th February, 2022 organized by Department of Civil Engineering SS College of Engineering, Udaipur Attended by Dr. Manish Varma, Mr. Ajay Nagda.
- xviii. Five Days FDP on “Materials for Sustainability of Transportation Infrastructure” by Mr. Denis Jangeed from 1-5 Feb 2022.
- xix. FDP on “Research Methodology- Tools & Techniques” from 25 to 29 April 2022 by Dr. Manish Varma, Mr. Rajanikant Suthar, Dr Sangeeta Choudhary, Mr. Kapil kumar Gautam, Mr. Gaurav Sharma, Mr. Ajay Nagda.
- xx. National FDP On Plagiarism in Academic Research & Author Identifiers organised by Indian Institute of Management and Commerce Hyderabad Participated by Mr. Denis Jangeed
- xxi. One week International FDP on research methodology Kamla Nehru Mahavidyalaya Nagpur held on 2-7 May 2022 by Denis Jangeed.
- xxii. Complete 12-week FDP on “Air pollution and Control” by Mr. Ajay Nagda which is equivalent to 1.5 FDP by NPTEL.
- xxiii. 12-Week FDP on Retrofitting and Rehabilitation of Civil Infrastructures by Mr. Gaurav Sharma.
- xxiv. Mr. Kapil Kr Gautam and Mr. Om Krishan Sharma participated in FDP on “Geotechnical Engineering Practices & its sustainable development” held from 26th to 28th May 2022.
- xxv. FDP proposal for Atal FDP AICTE by Dr Manish Varma

- i. Certification on “Good Citation Behaviour” Date: 24/7/2021 by Mr. Denis Jangeed
- ii. Certification on “Futuristic Trends in Civil Engineering” from 5th to 10th July 2021 by Mr. Denis Jangeed
- iii. Workshop on Business Case Writing by Denis Jangeed on 5th & 6th August 2021.
- iv. Workshop attended by Dr. Sangeeta Choudhary and Mr. Denis Jangeed and Mr. Kapil Kumar Gautam on Hydrological Modelling For Extreme Weather Events for Urban Cities.
- v. Workshop on hydrological modelling for extreme weather event for urban cities by Mr. Kapil Kumar Gautam and Denis Jangeed
- vi. Training on Climate Change, Urbanization and Multi-hazard Management by NIDM attended by Mr. Denis Jangeed
- vii. Workshop on ‘Digital Tools for Effective Teaching’ attended by Denis Jangeed
- viii. NPTEL Certificate Course (Exam given) by Mr. Gaurav Sharma, and Mr. Kapil Kumar Gautam
- ix. Indo-Chile workshop on “Recent Advancements in Geotechnical Earthquake Engineering” date 7th – 9th September 2021 by Mr. Denis Jangeed.
- x. Online Course of Highway Drawings with CAD by GCE attended by Denis Jangeed
- xi. Online course from Udemy in ‘How to Build links that drive Traffic and Improve Rankings 101’ attended by Denis Jangeed.
- xii. NPTEL Certificate by Mr Gaurav Sharma on title Design of Steel Structure (12 Week)
- xiii. Paper Presentation in Conference on Surface Water Trends and Regression model through SPSS, Udaipur by Dr. Sangeeta Choudhary
- xiv. Certification received by Mr. Denis Jangeed on “Site Investigation & Soil Exploration Techniques for Geotechnical Design”
- xv. NPTEL Certificate by Mr Ajay Nagda on title ‘Integrated Waste Management For Smart City’.(12 Weeks)
- xvi. Workshop on ‘NPTEL Awareness E-Workshop’ on 15 Dec 2021 by Denis Jangeed
- xvii. MOOC Udemy Course by Denis Jangeed on “Revit Structure with practical implementation”
- xviii. MOOC Udemy Course by Denis Jangeed on “Python Modules to create AI Projects for Beginners”
- xix. MOOC Udemy Course by Denis Jangeed on “SPSS For Research”
- xx. Certification on ‘Reflection of Society and Culture in Indian Literature in English’ by Denis Jangeed.
- xxi. Certification on ‘What is Data Science?’ by Denis Jangeed
- xxii. Two-day Workshop on Intellectual Property Rights for Research attended by Dr. Manish Varma from 03/012/2021 to 04/12/2022.
- xxiii. One-day workshop on “Basics of Cost Estimation and cost Analysis of Building “ held on 09-02-2022 at Poornima College Of Engineering, Jaipur attended by Mr. Ajay Nagda, Mr. Rajanikant Suthar, Mr. Om Krishan Sharma.
- xxiv. Three day online training on “Empowering the Particularly Vulnerable Tribal Groups in Odisha” from 09 to 11 Feb 2022 organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with SGF by Mr. Om Krishna Sharma.

7. Add-on /Certificate Courses completed by Faculty and Students of Civil Engineering

- xxv. Webinar on "Disaster And Communities Vulnerability, Resilience And Preparedness An Exploration Of The Role Of Heritage" on 04 Feb 2022 organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with DHARINNI Ecology & Heritage Conservation Trust Kottayam attended by Mr. Om krishan Sharma
- xxvi. Two-Day short course on "Application Of Unsaturated Soil Mechanics On The Analysis Of Slopes" jointly organized by IIT Mandi, Durham University UK and Universiti Kebangsaan Malaysia on Feb 24-25, 2022 by Mr. Kapil Kumar Gautam
- xxvii. Denis Jangeed participated in International Conference on Business Management ICBMAET by Debre Tabor University Ethiopia held on 9-10 May 2022.
- xxviii. Workshop on "New trends in research methodology" organized by RKDF University Bhopal held on 26th May 2022 by Denis Jangeed.
- xxix. Webinar on "Durability and Microstructure of Concrete" organized by UltraTech Cement held on Sat, Jun 4, 2022, by Mr. Kapil Kr Gautam
- xxx. Appeared in the 12 week NPTEL online course exam "Repair And Rehabilitation Of Civil Infrastructure" by Mr. Gaurav Sharma
- xxxi. Attended a Training program on NIPAM by Intellectual Property Office, India held on 17 May 2022 by Denis Jangeed.
- xxxii. 12-week NPTEL online course on "Air pollution and control "by Mr. Ajay Nagda with silver medal and 5 % topper.
- xxxiii. 12-Week MOOC course on Retrofitting and Rehabilitation of Civil Infrastructures by Gaurav Sharma on SWAYAM.
- xxxiv. Participated in Second International Conference on Sustainable Energy, Environment, and Green Technologies (ICSEEGT-2022) organized by Poornima College of Engineering, Jaipur, Rajasthan, India held from 24-25 June 2022 by Mr. Denis Jangeed.

8. FDP/Workshop/Seminar/Conference attended by faculty from Department of CSE

- i. FDP Attended "Data Science" By Ms Ruchi Vyas, Mr. Ritesh Jain, Mr. Jitendra Sharma AICTE Training and Learning (ATAL) Academy. 20/9/2021- 24/9/2021.
- ii. FDP Attended "MEAN Stack Technologies By Charu Kavadia AICTE Training and Learning (ATAL) Academy. 21/9/2021-25/9/2021.
- iii. FDP Attended "AR/VR and its Applications" By Mr Bhupendra Kumar Teli AICTE Training and Learning (ATAL) Academy. 04/10/2021-08/10/2021.
- iv. "Data Science" FDP Organised by ATAL Academy at Devi Ahilya University, Indore from 04/10/21 to 08/10/21 (5 days) by Ms Charu Kavadia.
- v. FDP Attended By Dr Mayank Patel on "Patent Search for engineers and lawyers" NPTEL Aug-Oct 2021
- vi. FDP Attended "Artificial Intelligence" by Ms Ruchi Vyas 15/11/21-19/11/21 AICTE Training and Learning.
- vii. Internet of Things- Challenges and Applications. 15/11/21 to 19/11/21 (5 days) organised by: ATAL Academy by Mr Rakshit Kothari.
- viii. Role of Blockchain technology in India- An insight into public sector. 22/11/21 to 26/11/21 (5 days) organised by: ATAL Academy By Mr Rakshit Kothari

- ix. ATAL FDP: Discussion on Data Science Tools and NEP Policies for Engineers Data Sciences Thrust Areas 13/12/21-17/12/21 by Dr Mayank Patel.
- x. STTP Attended on "Cyber Security & Information Security" By Mr Bhupendra Kumar Teli 16/12/21-20/12/21
- xi. A 2 Day Workshop on Intellectual Property Rights by Mr Bhupendra Kumar Teli held at GITS from 3/12/21- 4/12/21.
- xii. A 2 Day Workshop on Intellectual Property Rights held at GITS from 3/12/21- 4/12/21.
- xiii. "Deep Learning" FDP Organised by ATAL Academy at Indian Institute of Information Technology (IIIT), Vadodara 13/12/21 to 17/12/21 (5 days) By Mr Rakshit Kothari.
- xiv. "Overview of Speech Processing" FDP organised by ATAL Academy at Indian Institute of Technology, Dharwad 20/12/21 to 24/12/21 (5 days) by Ms Charu Kavadia.
- xv. FDP attended by Mr. Rakshit Kothari on "Security in Blockchain and Cyber-Physical Systems Design" from 17/ 01/22 to 21/01/22 (5 days) By ATAL Academy
- xvi. FDP Attended by Ms Jyoti Kaushal on "Internet of Things" held from 24 - 30 January, 2022 conducted by IIT, Guwahati.
- xvii. FDP Attended by Ms Payal Sachdev on "Recent trends of control systems in power electronics converter" From 03/01/2022 to 07/01/2022 by ATAL Academy.
- xviii. FDP attended by Ms Ayushi Ghill on "Game Theory & Communication". From 10/01/2022 to 14/01/2022 from ATAL Academy.
- xix. A webinar on "Data analytics" by Dhruv Gohil Appware Technologies on 5/3/22 organized by Mr Bhupendra Teli.
- xx. One Week International FDP on "Computer Vision and image processing "Attended by Ms Ruchi Vyas, Mr Ritesh Jain, Mr Jitendra sharma from 31/1/22 to 4/2/22 Organized By SKIT, Jaipur.
- xxi. ATAL FDP Attended by Ms Jyoti Kaushal on "Internet of Things" held 8/2/22 to 12/2/2022 conducted by Technocrats Institute of Technology, Bhopal M.P.
- xxii. Five-day (online) International Faculty Development Programme on "New Techniques in the Field of Engineering" held from 08/02/2022 to 12/02/2022 organized by Anand International College of Engineering, Jaipur attended by Mr Vishal Jain, Ms Monika Bhatt Guruji, Mr Rakshit Kothari.
- xxiii. Participated in Online Faculty Development Program titled "Introduction to Artificial Neural Network" on 08/02/2022 conducted by Department of Electrical and Electronics Engineering, Christ The King Engineering College, Coimbatore attended by Mr Vishal Jain, Mr Ajay Kumar Sharma, Ms Monika Bhatt and Mr Rakshit Kothari.
- xxiv. ATAL FDP Attended by Ms Monika Bhatt "Robust AI: Building through data exploration, pre-processing and representation" from 04/02/2022 to 08/02/2022 at IIIT NAYA RAIPUR.
- xxv. ATAL FDP Attended by Mr Ajay Kumar Sharma "Robotics & Artificial Intelligence" from 7-11/2/22.

- xxvi. ATAL FDP Attended by Mr Ajay Kumar Sharma “Augmented Reality (AR)/ Virtual Reality (VR)” from 21-25/2/22.
- xxvii. FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 28th Feb, 2022 to 4th March, 2022 by Mr Rakshit Kothari, Ms Monika Bhatt Guruji.
- xxviii. FDP on the theme “New Paradigms in teaching methodology/Pedagogy” organized by Geetanjali Institute of Technical Studies, Department of Management Studies from 7th March, 2022 to 12th March, 2022 by Ms Charu Kavadia, Mr Rakshit Kothari, Ms Jyoti Kaushal.
- xxix. FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 7th March, 2022 to 11th March, 2022 by Ms Jyoti Kaushal, Ms Payal Sachdev, Ms Ayushi Ghill.
- xxx. DRDO Sponsored Five-Day National FDP on Quantum Machine Learning for Defence and Security Applications. By Ms Ruchi Vyas, Mr Jitendra Sharma, Mr Ritesh Kumar Jain from 7-11/3/22.
- xxxi. Participated in the Online Training Programme on "Data Interpretation and Visualization using R" conducted by (NITTR), Chennai from 31.01.2022 to 04.02.2022 (One Week) attended by Mr Vishal Jain, Mr Ajay Kumar Sharma, Ms Monika Bhatt and Mr Rakshit Kothari.
- xxxii. Webinar on “Getting Started with NLP for Enterprise Applications” on 19/02/2022 organized by Supercomputer Facility at Computer Engineering Department of Government Engineering College, Rajkot attended by Mr Vishal Jain, Mr Rakshit Kothari, Ms Jyoti Kaushal.
- xxxiii. STTP by AICTE Parakh on Student Learning Assessment Mr. Abhishek Gupta & Mr Vishal Jain April 2022.
- xxxiv. FDP by NPTEL on “DBMS” by Ms. Jyoti Kaushal April 2022.
- xxxv. 12 week NPTEL FDP on “Outcome Based Pedagogic Principles for Effective Teaching” by Dr. Mayank Patel May 2022.
- xxxvi. 12 week NPTEL FDP on “cloud computing” by Ms Ruchi Vyas May 2022.
- xxxvii. 6 days STTP By JIET Jodhpur on “Machine learning and its applications in Big Data” by Ms Ruchi Vyas May 2022.
- xxxviii. 12 week NPTEL FDP on “C Programming” by Mr Ritesh Kumar Jain May 2022.
- xxxix. 12 week FDP by NPTEL on “IoT” by Ms. Jyoti Kaushal May 2022.

9. Add-on /Certificate Courses completed by Faculty and Students of CSE

- i. Introduction to Data science from IBM Congnitive Classes by Mr. Ritesh Kumar Jain Completed on 24/12/21
- ii. Online Course Completed on “Elements of AI” By Ms Monika Bhatt Guruji March 2022.
- iii. Attended a Webinar on “A Visual Introduction to Deep Learning” By Ms Jyoti Kaushal & Ms Monika Bhatt Guruji March 2022.
- iv. Completed 1 Month Internship from Appware technologies by Mr Durlabh Shrimali March 2022.

- v. Completed Course on “Blockchain Foundation” on HashStudy done by Mr Farhan Khan March 2022.
- vi. Attended a 1 day workshop on “Python for Data Science” By Ms Pooja Seth March 2022.
- vii. Completed Course on “Supervised Machine Learning with Logistic Regression and Naïve Bayes” By Ms. Ruchi Vyas April 2022.
- viii. Attended a Webinar on “Recent Advances in Biometrics Security with Machine Learning” Ms Jyoti Kaushal April 2022.
- ix. Completed Course on “Data Analysis Using Tableau “By Gate Smashers done by Mr Pratik kanthaliya April 2022.
- x. Attended a Webinar on “A Journey from Linear Algebra to Machine Learning” Ms Jyoti Kaushal
- xi. Four CSE students participated in “Technovation Hackathon” at Sharda University and secured 3rd position Feb 2022.
- xii. Three CSE students participated in “Pitch Competition” organized by Chandigarh Engg. College and secured 3rd position Feb 2022.
- xiii. 13 Students participated in Lensathon by snap AR Lens by Hack2Skill March 2022.
- xiv. 28 Students participated in Robotic Process Automation Developer Camp by Hack2Skill April 2022.
- xv. **NPTEL Certification**
 - Silver Medal on “Programming, Data Structure and algorithm” by Mr Pratik Kanthaliya April 2022.
 - Certification with Elite on “DBMS” by Ms Pooja Seth April 2022.
 - Among 1% Topper and Silver Medal on “Effectively Speaking” by Ms Sheetal Sharma April 2022.
 - Elite+Silver Medal on “Outcome Based Pedagogic Principles for Effective Teaching” Dr. Mayank Patel.
 - Elite+Silver Medal on “cloud computing” By Ms Ruchi Vyas.
 - Certification with 1% Topper + Gold Medal on “C Programming” By Mr Ritesh Kr Jain
 - Certification with 1% Topper + Gold Medal on “Introduction to Cognitive Psychology” By Ms Sheetal Sharma
 - Certification with 1% Topper+ Silver Medal on “Cloud Computing” by Ms Yogita Sharma.
 - Elite + Silver Medal on “Programming with C++” by Mr Krishanu Mishra.
 - Elite + Silver Medal on “Enhancing Soft Skills and Personality” by Bhowmick Vyas, Lakshyaraj Singh Dalawat
 - Elite+Silver Medal on “Introduction to Cognitive Psychology” By Himani Mehta.
 - Elite on “Technical English for Engineers” by Ms Anisha Shaktawat & Kartik Agarwal.
 - Elite on “Introduction To Programming In C” by Harshit Dubey
 - Elite on “An Introduction to Programming through C++” by Prashant Gehlot & Riya Sahu

- Elite on “Python for Data science” by Mr Krishanu Mishra.
- Certification “Enhancing Soft Skills and Personality” By Riya Sahu.
- Certification with Elite on “IoT” by Ms Jyoti Kaushal.

xvi. Certifications from Great Learning

- Data science foundation by Ms Ruchi Vyas completed in December 2021
- Sentiment Analysis Using Python” by Ms Ruchi Vyas in Jan 2022.
- Python for Machine Learning” by Mr. Ritesh Kumar Jain in Jan 2022.
- Front End Development-HTML” by Mr Jitendra Sharma in Jan 2022.
- Python for Machine Learning by Ms Ruchi Vyas March 2022.
- Introduction to graphic Design by Mr Dilkush Sharotria March 2022.

xvii. Certifications from Udemy :

- Java Tutorials for complete beginners by Ms Ruchi Vyas completed on 30/09/21.
- A Gentle Introduction to Machine Learning Using Scikit Learn by Mr. Ritesh Jain completed on 30/09/21.
- Google Data Studio for Data Visualizations and Dashboards by Mr. Jitendra Sharma completed on 30/09/21.
- Python Bootcamp zero to hero by Ms Ruchi Vyas completed on 08/10/21
- Introduction to Data Science by Python By Mr. Ritesh Kumar Jain completed on 18/10/21.
- Learn Tableau Desktop for Accurate business analysis by Mr. Jitendra Sharma Completed on 23/10/21.
- SQL MasterClass by Mr. Jitendra Sharma completed on 24/12/21
- Meeshkan Machine Learning the GitHub API by Mr. Ritesh Kumar Jain completed on 24/12/21.

10. FDP/Workshop/Seminar/Conference attended by faculty of MBA :

- 5-day FDP on Advanced Excel by Presidency University, Bangalore from 24th to 28th July 2021 attended by Mr. Ashish Awasthi, Assistant Professor, MBA.
- 5-day FDP on Changing Legal Scenarios In Business World: Contemporary Issues from 26th July to 1st August 2021.



11. FDP/Workshop/Seminar/Conference

Attended by faculty of Dept. of EE-

- Faculty Development Programme on Techno-Economic Assessment of Flexibility Competency in Deregulated Power System (TEAFCDPS-2021) September 20-24, 2021 by CP Jain.

- Mohit Mathur, Assistant Professor, EE department participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "3D Printing and Design" from 25th to 29th October 2021 at Centre for Electronic Governance.
- Mr. CP Jain, Assistant Professor, EE, attend One-week virtual Faculty Development Program on, “Artificial Intelligence for Electrical Engineering” Organized by Department of Electrical Engineering, RIT Rajaramnagar, on 04 – 08, October, 2021.
- Mr. CP Jain attended Faculty Development Program on "Research Funding Opportunities in Engineering Field across the Globe" held on 3rd and 4th December, 2021 at Stani Memorial College of Engineering & Technology, Phagi - Jaipur.
- Faculty Development Program on Effective Teaching and Research Skills in Science and Engineering” held from 6th-10th December, 2021 at Regional College for Education Research and Technology, Jaipur attended by CP Jain.
- Mr. CP Jain attended Faculty Development Program on” Incorporating Universal Human Values in Education” held from 13th -18th December, 2021 organised by AICTE.
- Mr. CP Jain participated in the online FDP on STRESS MANAGEMENT conducted by IEEE Student Branch, Sathyabama Institute of Science and Technology held from 24-29 January 2022.
- AICTE Training and Learning online Advanced FDP on “Magnetic Levitation system from 07/02/2022 to 11/02/2022 at NIT Mizoram by Mr. Gopal Krishan Sharma.
- Dr. Shripati Vyas and Mr. CP Jain, Dharmendra Trivedi, Arvind Singh Rathore participated in the online Faculty Development Programme on Innovation and Experimental Learning Effectiveness held from 07 to 11.02.2022 at AITS Udaipur.
- Keynote speaker in 3-day faculty development program on Recent Developments in Engineering and Technology held at SITE, Nathdwara during 23 - 25 February by Dr. Shri Pati Vyas.
- Online Faculty Development program on Yoga and Meditation for Human Excellence held from 14 to 18 Feb 2022 at Sree Vidhya Nikatan Institute of Management by Mr. Abhishek Sharma, Mr. Arvind Singh Rathore
- Faculty Development program on Trends in Technological Intellect held from 08 Feb 2022 to 12 Feb 2022 at Bon Secours College by Mr. Arvind Singh Rathore, Mr. Abhishek Sharma.
- Five-day online faculty development program organized by faculty Development Centre in collaboration with the School of Mechanical Engineering of Shri Mata Vaishno Devi University on the theme ‘Research avenues and Challenges in industry 4.0 from 31st Jan to 4th Feb, 2022 by Mr. CP Jain.
- 5-Day FDP completed by Mr. Abhishek Sharma on "Recent Trends in Renewable Energy" from 22 to 26 Feb. 2022 conducted by Department of Electrical Engineering, Shri Balaji college of Engineering and Technology Jaipur
- 6-Day FDP completed by Mohit Mathur, Mr Abhishek Sharma, Mr Krishan Gopal Sharma, Mr. Arvind Singh Rathore on "New Paradigms in Teaching Methodology/Pedagogy" from 7th-12th March 2022 conducted by Department of Management Studies, Geetanjali Institute of Technical Studies.

- xvi. Mr. CP Jain participated in One-week FDP on "Integration of Renewable Energy and smart Grids for Smart Cities" Conducted by Department of Electrical Engineering, Bansal Institute of Engineering & Technology Lucknow, India. From 07/03/2022 to 12/03/2022.
- xvii. Dr. Sripati Vyas and Mr. Arvind Singh Rathore attended the two-week online Faculty Development Programme - AICTE-CIDC-PARAKH under the auspices of All India Council for Technical Education (AICTE), GOI, from 2nd March, 2022.
- xviii. Three-day Hands-on Workshop "Recent Electrical Panels in Machines, Power Electronics and Power Systems" on dated 29/03/2022 to 31/03/2022 organized by the Electrical Engineering department attended by Mr. Arvind Singh Rathore.
- xix. Mr. CP Jain attended an online FDP on Research Methodology- Tools and Techniques from 25th to 29th April 2022 organized by Humanities & Science Dept, GITS, Dabok.
- xx. Mr CP Jain attended one-week FDP on "Trends in Innovation, Design Thinking & IPR" sponsored by AICTE, MPE's IIC on dated 30th May to 3rd June 2022 organized by MIT Moradabad, UP.

12. Add-on /Certificate Courses completed by Faculty and Students of EE

- i. Master Class on EV Design using MATLAB (30 Days) at Pentech E-Learning Pvt Ltd, Chennai, from Aug. 23, 2021 to Sep 21, 2021 by Prakash Sundram.
- ii. MATLAB Onramp self-paced training course completed by Mr. CP Jain of EE dept.
- iii. Mr. CP Jain attended two-day workshop programme on "Intellectual Property Rights for Research" organised by Geetanjali Institute of Technical studies, Udaipur.
- iv. AICTE-ISTE One-Week Online Refresher Programme on Advances in Power Generation from Renewable Energy Sources organized by Department of Electrical Engineering, COLLEGE OF ENGINEERING POORNIMA, Jaipur during December 06-11, 2021 attended by Mr CP Jain.
- v. Mr CP Jain participated International Virtual workshop on Smart Cities: A road Map for Future Development: 10th -12th January 2022 organized by Department of Electrical & Electronics Engineering. BITS PILANI Hyderabad and Pilani campus, India.
- vi. Mr. Krishan Gopal Sharma participated webinar on "Learning: Necessity of 21st century" held on 6th Jan 2022 at Regional College of Education Research And Technology, Jaipur
- vii. IV Year EE Student Rishabh Dangi get participation certificate for completed the five days e-Workshop on "Challenges and Opportunities in Microgrid" held during January 17-21, 2022 at the Department of Electrical Engineering, NIT Hamirpur, Himachal Pradesh.
- viii. "MATLAB and LabVIEW Programming for Engineering Applications" conducted by this Institute from 24.01.2022 to 04.02.2022 (Two Week) organized by the NITTTR, Chennai by Dr. Shri Pati and Vyas Mr. CP Jain.
- ix. II Year EE student Mr. Rishab Dangi successfully completed the NPTEL Course Enhancing Soft skill and Personality with a consolidated score of 54 %.

9. Mechanical Engineering Department: Two-days National Workshop On Business Management and Improvement through ERP an only path for global business attended by the faculty members of Mechanical Engineering; Deepti Mehta, Surbhi Mishra, Zuber Khan, Abhishek Joshi, Manisha Joshi and Dr. Deepak Paliwal.

10. One week AICTE FDP on Future Trends in Green Technology for Sustainable Development attended by Dr. Saurabh Tege, Assistant Prof. ME.

11. NPTEL/ Coursera and other Certificates awarded to Faculty of ME department :

- i. Saurabh Tege, Assistant Prof. ME, completed Heat Exchanger Design and Strength of Material and from **Coursera** on Lean Software Development.
- ii. Certificate awarded to **Dr. Vishnu Agarwal** for successfully completed NPTEL course **Mechatronics 72%.**
- iii. Dr. Deepak Paliwal in Design, Technology & Innovation, 8 Week Course.
- iv. Dr. Vishnu Agarwal in Product Design & Manufacturing, 8 Week Course.
- v. Dr. Saurabh Tege in Data Analytics with Python, 12 Week Course.

12. Ms. Surbhi Mishra participated in **Impact Lecture session -1** organized by IIC, NIFTEM, Thanjavur held on 16th June 2022.

13. Ms. Surbhi Mishra completed certification course on **Improving Content Mastery With Quizlet** on June 10, 2022.

14. FDP/Workshop/Seminar/Conference Attended by faculty of Dept. of ME-

- i. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Advancement in Manufacturing Technology" from 17/01/2022 to 21/01/2022 at School of Studies of Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur, attended by Dr. Deepak Paliwal, Mr. Narendra Patel, Md. Zuber Khan, Ms. Deepti Mehta.
- ii. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Additive Manufacturing- 3D printing" from 29/12/2021 to 4/01/2022 at Thakur Polytechnic College, Kandivali, Mumbai, attended by Rahul Kumar Sen.
- iii. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Sustainability Engineering" from 18/01/2022 to 22/01/2022 at Savitribai Phule Pune University, attended by Ms. Manisha Joshi, Mr. Anbhishek Joshi.
- iv. Mr. Abhishek Joshi, Ms. Manisha Joshi participated in the 3 Days FDP on "IPR on Academic & Research Institutions", Organized by Aravali Institute of Technical Studies, Udaipur, from 02 February to 4 February, 2022.
- v. Dr. Deepak Paliwal, Ms. Surbhi Mishra, Mr. Mukesh Lohar, Mr. Narendra Patel, Mr. Rahul Kumar Sen, participated in the 5 Days FDP on "Trends and Advances in Mechanical Engineering", Organized by Department of Mechanical Engineering, SS College of Engineering from 07 February to 11 February 2022.
- vi. Ms. Deepti Mehta, Ms. Manisha Joshi, Mr. Abhishek Joshi participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP

- on " Industrial Automation using PLC Programming" from 7/02/2022 to 11/02/2022 at MSME Technology Centre, Ludhiana (Central Tool Room, Ludhiana)
- vii. Dr. Vishnu Agarwal participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Avenues for Energy conservation in Thermal Power Plants. from 7/02/2022 to 11/02/2022 at Anna University.
 - viii. Dr. Vishnu Agarwal, Mr. Narendra Patel, Md. Zuber Khan, Ms. Deepti Mehta, Mr. Mukesh Lohar, Mr. Rahul Kumar Sen, Mr. Abhishek Joshi and Ms. Manisha Joshi has participated in the 5 Days FDP on "Smart Use of Renewable Energy Resources for Sustainable Future", Organized by SKIT, Jaipur from 21 February to 25 February, 2022.
 - ix. Dr. Vishnu Agarwal and Ms. Deepti Mehta participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 7th March, 2022 to 11 th March, 2022.
 - x. Ms. Surbhi Mishra has participated and successfully completed 5 day online FDP on the theme "New Paradigms in Teaching Methodology? Pedagogy" organized by Department of Mangement Studies, GITS from 7th March, 2022 to 12th March, 2022.
 - xi. Ms. Manisha Joshi has participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 21th March, 2022 to 25th March, 2022.
 - xii. Ms. Surbhi Mishra, Mr. Narendra Patel participated two weeks training program for faculty members on AICTE Student Learning Assessment – STTP- PARAKH in collaboration with Construction Industry Development Council (CIDC) from 07 March, 2022 to 22 March, 2022*.
 - xiii. Dr. Deepak Paliwal, Ms. Deepti Mehta, Mr. Narendra Patel, Mr. Mukesh Lohar participated in self-finance online faculty Development Programme on "Modern Trends in Manufacturing and Thermal Science (MTMTS-2022)" organized by Department of Mechanical Engineering, National Institute of Technology Delhi, India, held during April 05-10th, 2022.
 - xiv. Dr. Deepak Paliwal, Dr. Vishnu Agarwal, Ms. Surbhi Mishra, Mr. Mukesh Kumar Lohar, Ms. Deepti Mehta, Mr. Rahul Sen, Dr. Saurabh Tege participated One week FDP on Research Methodology : Tools & Techniques organized by Department of Science and Humanities, GITS from 25 to 29 April, 2022.

9. **3-Day Seminar conducted by IMS, University of Lucknow** from 19th – 21st August 2021 attended by Mr. Ashish Awasthi, Assistant Professor, MBA.

10. **FDP/Workshop/Seminar/Conference attended by faculty of MCA**



- i. Attended 14 days Online FDP on "a2z of NBA Accreditation Process" (August 24th -September 09th, 2021)
- ii. Two weeks (40 hours) online Faculty Development Programme on "Deep Learning & Applications (Parallel Architectures)" (Aug 23- Sept 3, 2021)

11. Add-on /Certificate Courses completed by Faculty of MCA

- i. Attended (1 hour) workshop on Power BI (Sept 16,2021)
- ii. Attended Online (1.5 Hour) Advanced Excel Training on 12-Sep-21
- iii. 5 days AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Artificial Intelligence and Internet of Things in Nanotechnology, Sensors, and Communication in the making of Aatmanirbhar Bharat" (Dec 06- Dec 10, 2021)
- iv. 5 days AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Robotics and Automation" (Dec 20- Dec 24, 2021)
- v. Attended Online (1 Hour) Workshop on Power Python (Dec-2021)

12. **A one-day Faculty Development Program was conducted for GITS-MBA faculty members on 'Leadership Effectiveness' on 29th October, 2021, Friday.** The program was presided over by Prof. P. K. Jain, Director, MBA, Geetanjali Institute of Technical Studies, Udaipur. During the FDP, Prof. Jain pointed out the importance of 'mindfulness' for leadership effectiveness. In order to make the FDP interesting and impactful, Prof. Jain enabled exercises based on situations wherein each faculty was given a chance to showcase their response.



The faculty members rated themselves on leadership scale which was assessed by Prof. Jain. In was a highly interactive and knowledgeable program. In the end of the program, Dr. Harshita Shrimali, Head, Department of Management studies, GITS Udaipur, delivered vote of thanks to Prof. P. K. Jain on the behalf of all the participants.

AWARDS AND ACHIEVEMENTS

1. Md. Ateek Samma from ECE Dept. won 3rd Prize in Vizathon at Atharva College of Engg.



2. Sports: Ms Atmika Gupta of the ECE dept. won **Silver Medal in ISSF International 10m International Rifle Championship**



3. **Dr Rajeev Mathur** was **TOYCATHON Evaluator in Final Round of Toycathon** in Sept 2021.

4. **Sports:** Ms Atmika Gupta Won Silver Medal in International 10m International Rifle Championship.

5. **Md. Ateek Samma** won 3rd Prize in Vizathon at Atharva College of Engg.

6. SWAYAM-NPTEL appreciated Dr. Vishal Jain for his instrumental role as SPOC for the Swayam Nptel Local Chapter and also recognized Geetanjali Institute of Technical Studies as an Active Local Chapter.



7. ECE III Year Students Atmika Gupta selected and won Silver Medal in "Khelo India" University Championship in Bangalore. Ms. Atmika Gupta won Gold Medal with Divyansh Singh Panwar Shooting 10m Rifle (Mixed Team Event) in 64th National Shooting Championship at Bhopal as well as Bronze Medal in Shooting 10m Rifle (Women) in 64th National Shooting Championship at Bhopal.

8. Ashmit Dabi, Lokesh Sharma, Sidhi Chaplot, Md Ateek Samma, Shubham Vaghrecha, Darshan Seth, Divya Soni and Latif Khan got participation Certificate of Chhatra Vishwakarma Award 2020 on Dec 2021.

9. CSE III Yr students were **Finalist among 2300 teams in all India Manthan 2021 by Ministry of Education Innovation Cell** with idea title Python and AI Based ANPR System.

10. 2nd year students of ECE won a Cash Prize of Rs. 1100 today for their project Air Quality Monitor and Control System after competing with 70 teams from all over Udaipur in



the Young Scientist Innovators 2022 exhibition at JRVN University, Udaipur. The project was mentored by faculty members Mr. Saurabh Porwal and Dr. Vijendra Maurya.

11. Mr. Saurabh Porwal Assistant Professor Scored 26.67 in GATE 2022.

GATE 2022 Scorecard				
Graduate Aptitude Test in Engineering (GATE)				
digital mode online offer				
Name of Candidate	SAURABH PORWAL			 Saurabh Porwal 20220926
Parent's/Guardian's Name	NAND KISHORE PORWAL			
Registration Number	EC22833050089			
Date of Birth	26-Sep-1985			
Examination Paper	Electronics and Communication Engineering (EC)			
GATE Score:	371	Marks out of 100:	26.67	
All India Rank in this paper:	6293	Qualifying Marks*	General	25.0
Number of Candidates Appeared in this paper:	54292		ECSE	22.5
			ECSE	16.6
Valid up to 31 st March 2025				
 Prof. Ranjan Bhattacharyya Organizing Chairman, GATE 2022 on behalf of Organizing Institute, for IIT				
				
* It is compulsory to consider qualified if the score achieved is greater than or equal to the qualifying marks in the respective category selected. If applicable, it is not considered in this category.				
Organizing Institute: Indian Institute of Technology Kharagpur				

12. CSE III Year students received **Best Paper Award in Computer Networks and Security Domain** in UG section in conference ICUS21, Nov 27-28, 2021.

13. **Kapil Kumar Gautam**, Assistant Professor - Civil Engineering was declared **Topper in NPTEL Courses** with a consolidated score of 91% in Geotechnical Engineering Laboratory.



14. **Mr. Denis Jangeed**, Assistant Professor - Civil Engineering received Certificate of Appreciation as a **Coordinator for MANAV Scientific Reading and Comprehension Assessment Module** conducted in September – October 2021.

15. **Mr. Denis Jangeed**, Assistant Professor, CE appointed an **Evaluator for Toycathon 2021** which is organized by the **Innovation Cell, Ministry of Education with support of AICTE**.

16. **All India Council for Technical Education (AICTE)** granted approval of the financial assistance under the **Scheme for Promoting Interest, Creativity and Ethics among students (SPICE)** for the financial year 2022-23. The purpose of the financial



assistance is to energize and position one of the club/chapter/society as facilitating entities for pursuit of individual interest, creativity work, showcasing, talent, networking and teamwork opportunity, social experience, organization and management skills etc.

Details of the project

- | | | |
|----------------------------|---|-----------------------|
| a. Date of submission: | : | 28/02/2021 |
| b. Date of Offer/Grant | : | 25/05/2022 |
| c. Name of the club | : | Social Inclusion Club |
| d. Name of the coordinator | : | Dr. Vishal Jain |



- e. Name of the co-coordinator : Ms. Anjali Dhabhai
f. Financial Assistance : Rs. 1 Lac

17. Research Project/ Project Proposals Sent by students of EE department : **Two project entries in IISF 2021 (One from First Year & other from IV Year EE)**

- Team 1 - Tech Trivia is an education toy that help kid learn enthusiastically submitted by Anuwak Mathur, Murtaza Kanor, Naveen Tailor, Tushar Vaishnav from I Year
- Team 2- 3-Phase Motor Controlling by text message through Arduino UNO submitted by Rahul Chasta, Aaditya Upadhaya, Aaditya Shah, Sudhansu Raj of IV Year

18. Research Project/ Proposal designed and fabricated by IV Year Students of EE Dept on

Smart Automation for physically challenged persons. This system helps physically challenged people to fulfil their needs on their own. The physically challenged people like the blind and bed-ridden people having different abilities can use this remote control to operate electric appliances.



Handicapped people can use motion sensor, by causing movement in the front of motion-sensors which detect motion and helps to power on or off the home appliance. By using these sensors, one can control their home appliances from their own place according their requirements. This technology can also be used in hospitals for the patients. This project was designed by Yogesh Jatav, Jenny Dhakaar, Shubham Kumawat, Divyansh Lohar under the mentorship of Prof. Prakash Sundaram, HoD-EE.

- Installation of Contact less Bell on Radaji Bawaji Mandir.
- Fire Extinguisher Drone prepared by Md. Ateek Samma & Shubham Vaghrecha.
- Dr. Rajeev Mathur went as resource person to JECRC-Jaipur to conduct UKIERI Leadership & Management Program.
- Dr. Rajeev Mathur was appointed as Reviewer in The Hertz Journal of Engineering, Reviewer of Web of Science Journal "Wireless Personal Communications as well as a Reviewer of Scopus Indexed Journal for 2 Papers.
- First year student Aditya Kumar Singh got selected in the Indian Navy.

JOIN INDIAN NAVY CALL UP LETTER	
BAG NO.: 1623271962197021	
Copy	PC CAMPUS 2 BTECH (ELECTRICAL & TECHNICAL) 030022
Name	ADITYA KUMAR SINGH
Prisoner/Officer's Name	HANSMATH SINGH
Date of Birth	05/11/2001
Reporting Date	05/04/2022
Reporting Time	08:00 AM
Reporting Place	Selection Centre South, 12 DRI Bangalore
SSB NO	12-558, Bangalore
Address of SSB NO	12 Services Selection Board, Selection Centre South, Cochin Road, Bangalore 560042
Copy	03/04/2022
Subject Marks	English: 60, Physics: 60, Chemistry: 60, Maths: 60

24. Swayam NPTEL certified India Level Topper and Gold to our **First Year Student** Narendra Patel, CSE Branch

25. **First year** students Riya, Shashwat, Nidhant, Manan, Kushal and Jahanvi Kumawat participated and were selected in 4th Technovation Hackathon & Innovation Budge organized by School of Engineering and School of Architecture & Planning, Sharda University, Noida.



26. Awards and achievements by students of **CSE**

- CSE III Yr. students were Finalist among 2300 teams in all India Manthan 2021 by Ministry of Education Innovation Cell with idea title 'Python and AI Based ANPR System'.
- CSE III Yr. students received Best Paper Award in computer networks and security domain in UG section in conference ICUS21, November 27-28, 2021.
- CSE 4 students won Third Prize worth Rs 1100 in "YOUNG SCIENCE INNOVATORS" at Janardan Rai Nagar Rajasthan Vidyapeeth (deemed to be University) recognizing on 11 March 2022.
- Ms Sheetal Sharma Cleared Exam on 21/3/22 and is now Microsoft Certified with Azure Fundamentals.
- Software Team Nextel Selected in Top five SIH 2022.
- Hardware Team Phantom Selected in Top Five teams in SIH 2022.

27. Awards and achievements by students of **Mechanical Engineering**

- Bheru Choudhary and Sourabh Malviya, ME III yr students got II rank & won cash price each in **Global Hackathon at SITE Jaipur**
- Student winners of Poster Competition were awarded certificates & prizes. (4 in no.)
- Student Participants of Decoding IC Engine were awarded Certificates for workshop. (11 in no.)
- Taher Ali Bohra, II Year ME student participated in Debate Competition organized by Dept. of Electrical Engineering on 12/3/2022, he stood second.
- Dr. Deepak Paliwal appointed as an Expert Member to conduct faculty interview of Mechanical Department, Jaipur National University, Jaipur on 5th June 2022.
- Dr. S. Jindal invited as keynote speaker in A talk on "**Azadi Ka Amrut Mahotsav: Evolution of IE and its Role in Development of Industries**" as a theme for Foundation Day Celebration 2022 is being organized on occasion of INDUSTRIAL ENGINEERING DAY on 5 Feb, 2022.

28. Awards and achievements by students of **EE**

- i. Ms. Lipika Dashora of Electrical Engineering (batch 2016-2020) awarded RTU Gold Medalist and Second Rank in RTU Kota for securing 85.9%
- ii. II Year EE student Disha Sharma secured second position and prize money (not declared) & attendee certificate in national level Technical Writing Competition on “National Energy Conservation Day” organized by IEEE PES NITC Student Branch Chapter in association with the Industrial Power Group and Institution’s Innovation Council NITC.
- iii. IV Year EE students Divya Sahu and Joyati Pareek received Appreciation Certificate in national level Technical Writing Competition on “National Energy Conservation Day” organized by IEEE PES NITC Student Branch Chapter in association with the Industrial Power Group and Institution’s Innovation Council NITC.
- iv. IV Year EE Student Divya Sahu secured II position in Patriotic Singing Competition organized by IEEE PES SBC NITC in association with Industrial Power Group NITC for 73rd Republic Day Celebrations held on 26th January 2022.
- v. Divyansh Lohar, Paraag Sharma and Yogesh Jatav participated in Epic presenters (Ideathon) under SPECTRUM 2K22 organized by Electronics Project Club, department of Electronics & Communication on 17-18th Feb 2022.
- vi. Roshan Khan Mev & Group participated in Technovation Hackathon.4 (Theme –Smart safety, Security & Surveillance Held on 3-5 Feb, 2022 organized by School of Engineering & Technology & School of Architecture & Planning, Sharda University Greater Noida, UP.
- vii. Roshan Khan attend and got II prize as well as Rs. 15,000/- in prize money in Global Hackathon organised by Shankara Institute of Technology, Jaipur on 24th April 2022.




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EXPERT LECTURES

1. The Department of Electrical Engineering at Geetanjali Institute of Technical Studies, Udaipur organized an **Expert Lecture on “It’s Difficult But It’s Not Impossible” on 26 June 2021 at 11:30 AM** Onwards. Ms. Manisha Siyal, J.En. AVVNL, Udaipur was the Expert Speaker at the event. She is an Alumni GITS (2005-2009 batch) and has over 10 years of experience. She explained that there are typically two distinct types of students and candidates: The perfect student/candidate who starts preparation well in advance so as to achieve the desired score and the last-minute risers who start late and yet aim to achieve the same perfect score as the early birds. She added, generally speaking, the average duration of starting exam preparation is said to be at least 4 to 5 months before the exam. The pandemic times have been challenging for everyone is bound to discourage students and fill them with doubts but they have to realize that this has also offered them extra time for preparation. Patience and perseverance in the current grim situation can help students focus on their syllabus better. She also stressed that there is no alternative to hard work.

2. Expert Lecture was organized on **31st July 2021** wherein **Mr. Arun Singhal, Ex. Head Corporate Relations, IIM Udaipur** delivered an interactive session on **“How to Choose the Best Career”** that helped enhance understanding and provide clarity in decision making for selection of specialization in the MBA programme. A total of 38 students registered and participated in the programme.

3. The Department of Electrical Engineering at GITS, Udaipur organized an **Expert Lecture on “Opportunities for Electrical Engineers in Software Industry”** on 03 July 2021 at 11:30 AM onwards. The Expert, Mr. Kapil Sharma, Sr. Project Manager, IBM IT India with over 17 years’ experience, emphasized that many electrical engineers work as software engineers in the embedded systems field. In fact, EE’s generally make better embedded system programmers than ones with just a CS degree and no hardware experience. As a minimum, a firmware engineer needs to be able to read a schematic, use an oscilloscope, multimeter and other instruments, and understand microcontroller datasheets which may run hundreds of pages long. He said that having a solid hardware background is a big plus. Lots of EE’s doing embedded programming that didn’t have a CS background, but the other way around is pretty rare — CS-only background with no experience at all in electronics.




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4. The Department of Electrical Engineering, GITS organized a virtual Expert Lecture on “Dare to Dream” on dated 17th July 2021 with Expert Er. Garima Shah, Ahmedabad, India, who has successfully dabbled in multiple fields like Electrical Engineering, MBA(HR), A World Record Holder, an Artistreuner and a Chocolate-Maker. She emphasized for students that there are typically two distinct types of students and candidates: The perfect student/candidate who start preparation well in advance so as to achieve the desired score and the last minute risers who start late and yet aim to achieve the same perfect score as the early birds. She said that generally speaking, the average duration of starting exam preparation is said to be at least 4 to 5 months before the exam. Patience and perseverance in the current grim situation can help students focus on their syllabus better. The pandemic is bound to discourage students and fill them with plenty of doubts but they have to realize that this has also offered them extra time for preparation. The Google Meet link: <https://meet.google.com/ejv-ecze-xmy>



5. Student Club of the Electrical Engineering department conducted a Virtual Quiz Competition for students on General Knowledge /picture quiz/Movies etc. on July 24, 2021, 11:30 am which witnessed a participation of 62 students. The winners in the various batches were Mayank Tungeria, Deepak Pratap, and Dipankar Saha in the Final Year; Shubham Kumawat, Nikhil Rajani and Lakshit of the 3rd Year.

6. Department organised IDEATHON for EE students on dated 05/03/2022; a total of 4 Teams participated in the Ideathon & shared their SIH 2022 project ideas.

7. Student Club of Electrical Engineering dept. organized debate competition on Topic: "Russian attack on Ukraine-is it justified?" on 12/03/2022 to develop overall communication skill. There were 16 participants from all branches.

8. A panel discussion on **‘Efficacy of online education for Management Programs: Experience and Expectations’** was held by the Dept. of MBA on **7th August 2021**. The Esteemed panel members were Prof. P. K. Jain, Director, MBA, GITS Udaipur - Keynote Speaker, Dr. Naela Jamal Rushdi - Professor and Director, IILM Lucknow, Dr. Drvibhuti Tyagi- Professor and Head, Department of MBA, Raj Kumar Goel Institute of Technology, Ghaziabad, Dr. A. M. Jose - Professor of Economics, Amity school of Economics, Amity University, Haryana, and Dr. Harshita Shrimali, Professor and Head, Department of MBA, GITS Udaipur.

Prof. Jain opened the discussion with his keynote speech where he pointed out the positive aspect of online education that it cuts across many barriers of distance and time. As the same time he also emphasized that technological aids cannot substitute skills. Explaining the limitations of online education, Prof. Jain said that even in their wildest dreams, the academic fraternity had not thought about the current scenario. The second speaker, Dr. Naela Rushdi, Director, IILM Lucknow talked about the difficulties which the teachers face in the present situation. She specifically said that there are certain subjects which are easy to be taught online, in contrast to some other subjects which are very tough to be taught online, thereby creating an uneven field for teachers.



Dr. Vibhuti from Department of MBA, RKGIT Ghaziabad, began with a quote from Dr. Nelson Mandela, and then went on to explain the intricacies of online education with reference to management programs. She strongly emphasized that gadgets cannot substitute a teacher in class and face to face mode of teaching is the only viable option. However, she also said that the future belongs to ‘blended learning’. Dr. A M Jose of Amity University Haryana explained the impact of the online education on the students by dividing it into three categories – technological impact, pedagogical impact and social impact. He touched upon the fact that online education has enabled the students to get access to global content and educators through the medium of internet.

Lastly, the host panelist Dr. Harshita Shrimali, Head, Department of MBA, GITS, Udaipur expressed her views on the topic. She talked about the importance of face to face mode of education by citing the example of Gurukuls of ancient India. She emphasized about the changes in the behaviour of the students due to online mode of education.

Department of Management Studies, GITS Udaipur expressed its gratitude to the esteemed panel members for taking time out of their schedule and gracing the program with their auspicious presence and enlightening thoughts. The concluding thoughts and vote of thanks were delivered by Dr. Harshita Shrimali, HoD, GITS MBA. Video url of the panel discussion: <https://www.youtube.com/watch?v=drsPxqWzYVo&t=3498s>

9. Online Webinar on **“Getting Started with Corporate Career in IT post your Graduation”** on **4th September, 2021** at 11:30 AM. CSE student club and Department of

Computer Science organised the webinar with 2 resource persons; Mr. Mohit Roshan Srivastava, MBA – IIM Bangalore, presently a Strategy and Operations Consultant, Strategy formulation and execution specialist with over 10 years work experience and; Mr. Chirag Soni, Management Consultant, Analytics and Machine Learning Specialist with over 9 years of experience. This webinar was organised to prepare students develop an understanding about how to venture into the corporate world post their graduation, how to prepare for it, what tools and techniques could be beneficial to develop a corporate mindset and how to excel in their first jobs. The topics covered by Methods and Tools you should know for starting Corporate journey delivered by Mr. Mohit Roshan Srivastava and Developing a Corporate Mindset to excel in your first job by Mr. Chirag Soni



The webinar started by Mr. Mohit Roshan Srivastava asking the question, “What is corporate mindset?” After receiving few responses from guests, the speaker expressed his views on corporate mindset. He discussed about necessary points to keep in mind while preparing for corporate life. The few of his key points were

- You can still manage and grow in career
- Most dangerous position to be in
- Most desirable place
- You need to change your thought process soon

He also discussed about few things which have to be kept in mind while preparing for jobs, emphasized the importance of networking in job culture and answered commonly asked question like “Big brands vs Start-ups”. Ending his talk, he focused on how to get the first job and how to crack first job interview.



Taking the session forward Mr. Chirag Soni started with his expert talk with discussing his own career path and his decisions in corporate world which gave our guests a brief overview about the speaker’s career path. From his life’s lessons, he pointed out 5 key points that every aspiring candidate must develop for a long and successful career. The points were as follows

- Become problem solver
- Be agile
- Develop fundamental skills/ first principle skills
- Develop expertise on one + Learn about others
- Learn how to tell stories with data

He ended his talk with a motivational quote by ‘Walt Disney’, saying that the way to get started is to quit talking and begin doing. With this thought he motivated our guests and wished them great success ahead.

The audience was able to understand and get a peek into what lies ahead in corporate life. They got an insight of how things work there and how to choose a correct career path. The experts explained the essential pre-requisites to prepare for a good career in corporate world. Receiving an overwhelming response with participants, webinar came to an end with valedictory session.

10. Expert Lecture on **Internet of Things** by Mr. Latif Khan on 22nd September 2021.



11. Expert lecture on “Differential Equation: The Language of the Universe” by Prof Zafar Ahsan, on 27th September 2021 for the First Year students. Prof. Zafar Ahsan, Ex-Chairman, Department of Mathematics, Aligarh Muslim University, has been working on gravitational waves, exact solutions of Einstein equations, symmetries of the space-time and geometric structures in general relativity. He mentioned that it was almost impossible to describe all the roles played by differential equations in pure and applied mathematics in this talk, so a brief survey about the role of differential equations in diverse fields was presented.



12. CSE student club and Department of Computer Science organised an Expert Lecture by Mr. Sandeep Koduri and Ms Punita Ojha on “**Internship Opportunities in IT Corporates**” from Sanskrit Corporation on 5th October 2021 from 02:00 PM-4:30PM. The Event Coordinator were Ms. Ruchi Vyas & Mr. Vishal Jain and the event was attended by 80 students. The Seminar was directed to make students aware about the various upcoming scenarios regarding Internship Opportunities in IT Corporates and also to enhance the capabilities of students in order to make them more informed about the policies, procedures and the compliances. The programme was inaugurated by Ms. Ruchi Vyas, Asst. Professor by welcoming all the cherished dignitaries and participants. In welcome speech Prof.(Dr.) Mayank Patel, HoD CSE, (GITS) welcomed our eminent speaker Mr. Sandeep Koduri and Ms Punita Ojha brief the importance of data structure and other technical skills required for upliftment of their knowledge.

The eminent speakers elaborated on various internship opportunities available in IT sector, the type



of knowledge and skill required to get those opportunities and how to prepare for them. They also briefed about technical skills required and how to upgrade themselves. After the seminar, interview session was conducted for Sankrut Cooperation to identify bright students and internships were offered to deserving candidates.

After this lecture, audience improvised their data structure skills and learnt about various opportunities in IT sector. After the session few students were offered internship opportunities in SANSKRUT COOPERATION through rigorous interview session. All participants appreciated endeavor of the department for organizing such type of seminar for their future perspective.

13. **An Alumni Talk** was conducted in the Department of **Management Studies, GITS on: “Keep Moving Forward”** on 22nd October, 2021. The session was taken by Mr. Himanshu Arora (Owner of Music Academy, Metal String) and Ms. Ayushi Rajput (Owner of Payless Store). They started their session with a beautiful quote “Moving on doesn’t mean you forget about things. It just means you have to accept what happened and continue living”.



They told the students how they can be successful in their life. The first step to success is to set the goal of what to do in life and prepare for it from day one itself. After that, one should proceed by taking small steps. Along with this, they enumerated the expectations of industry or market from students of management and how management education can in achieving our goals. They said that apart from the subject knowledge, it is essential to inculcate personality development, leadership qualities in life. They stated how management skills ensure success in jobs or business and also how to contribute to the society. They explained the concepts of



management with daily life and told how management skills make our daily life easy. The students enjoyed the session and also did role play by giving their 100 percent contribution. The moral of the session was “Life is about moving on, accepting changes and looking forward to what makes you stronger and more complete”.

14. Department of Computer Science organised **Alumni Talk by Dikshita Bhatt, System Engineer, TCS, Gandhinagar. working with TCS (Batch 2015-2019) on 20th November, 2021** at 2:00 PM through virtual mode on Google-Meet (<https://meet.google.com/egs-frao-ssq>). This online interaction was organised to give career guidance and motivation to our students for better career opportunities. The talk was attended by 60 students.

Ms. Dikshita Bhatt guided her juniors about various interview techniques and how to improve communication skills. Along with this she explained the importance of latest technologies. She summarized the role of JAVA in various field, several domains of expertise one can pursue for one’s professional growth. She also suggested to gain better knowledge of the curriculum. Ms. Dikshita Bhatt suggested juniors to study Java and Python thoroughly as their company hires on these technologies. Students got clear idea about the areas on which emphasis should be given to face the interviews in a better way. Ms Dikshita Bhatt also guided them on how to apply for IT MNCs as a fresher.

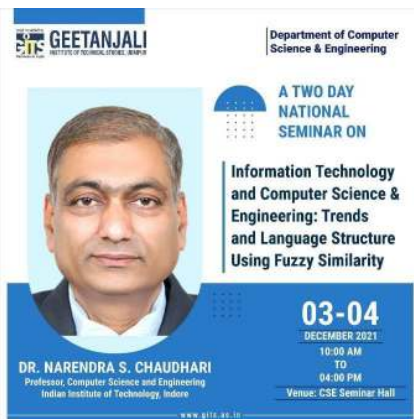


Ms. Ruchi Vyas, Assistant Professor, CSE event coordinator summarized the outcomes of the online alumni interaction program and gave vote of thanks to our keynote alumni. All participants appreciated the department for organizing such type of webinars. Ms. Ruchi Vyas presented the Certificate Of Appreciation to Ms. Dikshita Bhatt for her valuable knowledge-sharing with the students. The program was ended with taking the virtual group photo. Through this program, juniors learnt about various interview techniques and how to improve communication skills. Along with this they also learned about applying for career positions in IT MNCs.



15. Department of Computer Science, GITS, Udaipur organised a two-day Expert Lecture on **“Trends and Language Structure using Fuzzy Similarity” by Dr. Narendra S. Chaudhari, IIT Indore on 3rd and 4th December 2021**. The two-day seminar aimed to introduce the fundamentals of recent techniques in computer technology and provided a close summary of some topics such as: Language structure, Grammars, Fuzzy Logic etc. The seminar was based on their real-time applications. Overall, this seminar which was attended by 60 participants served as a useful learning experience for students and researchers.

On the first day of seminar covered the emerging trends in information technologies that directly or indirectly undertake the customer centric approach for example Bio Informatics, which works with the combination of computers and living beings. It converts the biological data into readable format. This immensely helps in the field of the medical sciences. Another most promising technology of today is Data Science or Big Data. This field has a very large and promising scope of research and development considering the huge volume of data being produced by organizations and individually in different sectors worldwide. It deals with the storage processing and analysing the massive data stored across the world in various organization and data centres. Another area covered was the trend of Virtual Reality which cannot be ignored. The biggest stakeholders of VR applications are medical science, physical sciences, environment, businesses, space industry and entertainment industry. VR produces the set of the data which is used to develop new models in training methods, communications and interaction. The major disadvantages in the use of VR application are time, cost and technological limitations. But because of its support system it is expected to become more affordable in future, today's generation is grown up having technology at their disposal. They are familiar with smart phones, tablets therefore VR Developments will also increase in number of professionals more acquainted with the technology. Cloud Computing has already become the area of attention by most of the researchers and scientists. Cloud provider is basically data or internet provider. This plays an important role in various fields of business, computing security etc. This application works on the shared pools of configurable computer system resources and higher-level services that ease the managerial effort which leads to economics of scale and development. It helps in running businesses more efficiently.



गिट्स में आईआईटी प्रोफेसर का दो दिवसीय व्याख्यान

उदयपुर | गीतांजली इंस्टीट्यूट ऑफ टेक्निकल स्टडीज (गिट्स) में करंट ट्रेड इन कम्प्यूटर इंजीनियरिंग एण्ड लैंग्वेज स्ट्रक्चर यूजिंग फजी सिमिलरिटी पर आईआईटी के प्रोफेसर का दो दिवसीय व्याख्यान हुआ। निदेशक डॉ. विकास मिश्र ने बताया कि आज के तकनीकी के युग में ऐसा कोई भी क्षेत्र नहीं बचा है जिसमें कम्प्यूटर दखल ना हो। आईआईटी इन्दौर के प्रोफेसर नरेंद्र एस चौधरी ने अपने व्याख्यान में फजी लॉजिक एवं मेडिकल साइंस का कम्प्यूटर इंजीनियरिंग में उपयोग बिग डाटा के बढ़ते अनुप्रयोग तथा वर्चुअल रियलिटी के योगदान से छात्रों और अध्यापकों को अवगत कराया।



attracted the attention of many researchers. We define and study the alignment profile and formulate fuzzy similarity of alignment profiles for a given collection of sentences. Using the fuzzy similarity-based profile alignment, we give a methodology to formulate stochastic context-free grammar (CFG) rules. We introduce profile-alignment-based dynamic sentence similarity threshold to formulate the rules of stochastic CFG. The proposed methodology is tested using Child Language Data Exchange System (CHILDES) dataset of sentences. The benefits of our approach are experimentally demonstrated. Since our approach does not make use of any domain knowledge, it is expected to be useful in wide variety of applications requiring model construction.

After this Seminar, audience learnt about recent trends in CS/IT and language structure using fuzzy similarity and what are the future aspects of it.

16. One-day Seminar organized on “**The Real Sense of Professionalism**” for BCA & MCA I Year Students on 27th Nov 2021. The session Expert, Dr. Naren Goyal (Skills Trainer, Indian Institute of Skill Development) took a day- long session based on developing communication skills for industry experience.



17. International Seminar organized by the Association of Communication & **Electronics Engineers and Dept. of ECE** on “**Journey as a Woman Engineer towards an Academic Career**” on 4 December, 2021 @ 11:00 AM. the resource person was Dr. Anjali Agarwal, Professor, Department of Electrical and Computer Engineering, Concordia University, Montreal, Canada.



18. The department of **Electrical Engineering** organized a one-day International Seminar on “**Hybrid Renewable Energy Standalone Systems**” with Dr. Ambrish Chandra, Professor University of Quebec at Montreal (Canada) as the Expert Speaker on dated 6 December, 2021. This seminar focused on Hybrid Renewable Energy Systems (HRES) composed of one renewable and one conventional energy source or more than one renewable



with or without conventional energy sources, which works in standalone or grid connected mode. Solar PV and wind systems are the primary sources of energy.

19. **International Seminar on “AI: Knowledge Representation and Reasoning “by Prof. (Dr.) K. R. Chowdhary.**

20. Student Club of CSE department organized a **Webinar on Relevance of Data Analytics** in the Global Scenario.

21. Expert Talk by Ms Akanksha Jain on 24/2/22 organized by Ms Ruchi Vyas.

22. Expert lecture on “Password for Happiness” by Maitreya Dasa from Hare Krishna Movement on 5th March 2022 coordinated by Dr.Varun Humad & Ms. Kavita Washishth.



23. An IoT Workshop conducted by Mr Prashant Singh on 29th March 2022 organized by Mr Ajay Kumar Sharma.

24. Under the aegis of the Department of Electrical Engineering and IIC Cell, a one-day International Seminar was organized on the topic **"Opportunities and Challenges for Startups in India" on 24th March 2022.** The keynote speaker was Shri Narayan Lal Gurjar (Founder and CEO, EF Polymer, Okinawa, Japan). Total 85 students and 18 faculty were present in the seminar. Dr. S Jindal said that students planning to set up startup will get momentum from such programs and Mr. Narayan Lal Gurjar shared experiences on opportunities and challenges for startup. Mr Shripati Vyas and Ms Shruti Bhadviya coordinated the program and vote of thanks was given by Dr. Deepak Paliwal.

25. **Alumini Talk by Arpit Pipara organized by Mr Jitendra Sharma on 26/2/22.**

26. **International Conference on Multidisciplinary Application Research Technologies May 2022.**

27. **Expert Lecture by Dr. Harshita Shrimali on “Believe in Yourself”** was organized on 4th June 2022.

28. **Alumni Talk** by CSE department on 20th, 22nd and 23rd June 2022 by **Preksha Samar, Vaibhav Jain and Himank Seth** respectively.

29. **National Seminar organized by the Association of Communication & Electronics Engineers and Dept. of ECE on “Career Prospect of Graduate Engineers” on 7 January, 2022 @ 10:30 AM** by **Mr. Suneel Tiwari**, Department of R&D Made Easy Education Delhi.



Objective: To discuss the opportunities after graduation in terms of Competitive exams like GATE, CAT etc. To motivate students **for** maximum participation in appearing exams after Engineering.

Dr. Rajeev Mathur welcomed all the guests Mr Samar Nair, Mr Suneel Tiwari, and Mr. Pankaj, and the expert, Mr. Suneel Tiwari delivered the talk and described various career options and scope after engineering. A total of 74 students of various branches attended the Seminar which helped the students decide their future career paths among the various options available for this stream. They got a detailed analysis of various job opportunities after engineering and were immensely motivated by the talk. The HoD of EE, Prof. Prakash Sundaram, extended a vote of thanks with motivational words to students.

30. National Workshop on **“Smart Manufacturing with Industrial Automation 4.0 (IIOT): Opportunities and Challenges”** on 18th February 2022 to 19th February 2022. Resource persons were Mr. Bhawani Singh, Sr. Operation Manager Ms Dolly Sharma, Sr. Business Development, Manager, Vision Automation Solutions.

31. Expert Webinar "Career Options and Opportunities for Electronics Engineering Graduates" on Tuesday 6th July 2021 @ 10:30 AM by Expert Dr. Renjith CV, Electrical Architect - Medical Imaging, Philips Healthcare, Pune, Maharashtra, India.

32. Online Alumni Interaction on 13th November, 2021 (11:00 AM- onwards) by Alumni Mr. Vikas Lohar (2014 Batch) (<https://meet.google.com/zxr-xvrn-nqi>)

33. Expert Talk on **“GATE Mathematics – an approach to solve”** on 28th January, 2022. Resource Person: **Dr. Gajendra Purohit**, organized by Dept. of Electrical Engineering. The expert talk on “Gate Mathematics - An easy approach to solve” was organized by Department of Electrical Engineering on 28th January, 2022. The talk was delivered by Dr. Gajendra Purohit (NET, PhD, Youtuber (750k + Subscriber), he is a Top Educator on Unacademy and Author of Best Seller Books for IIT-JAM and CSIR-NET.

Dr. Gajendra Purohit explained the importance of Engineering Mathematics in the Graduate Aptitude Test in Engineering (GATE) 2022 as the weightage given to this subject has been consistent over the years. Every year the weightage of this subject ranges between 12 and 15 marks. He briefly explained the short-trick method, topics such as Calculus, Linear Algebra, Real Analysis, Complex Analysis, Ordinary Differential Equations, Algebra, Functional



Analysis, Numerical Analysis, Partial Differential Equations, Topology, and Linear Programming etc. he advised the students to prepare by making short notes and keep them handy or have a Formula Sheet to look up a concept whenever needed. Students and faculty members from GITS enjoyed the talk thoroughly.

34. **Motivational talk by Prof. Pankaj Gera, Director at Delta Career Institute, MP.** & is currently working as Associate Professor in Department of Mechanical Engineering, MIT group of Institute (MP) on Saturday 19 Feb, 2022.

35. Expert Talk: HR Scenario in Manufacturing

36. Expert lecture delivered by **Dr. Deepak Paliwal** on **Finite Element** in Five-day Faculty development program on Research Methodology from 25-29 April 2022 organized by GITS, H& S department.

37. Talk delivered by Dr. Deepak Paliwal on Finite Element Methods in the **Workshop of Research Methodology –Tools and Techniques** (Certificate received on 5th May 2022)

38. Activities organised by Student Club in Mechanical Engineering

- On 28th February 2022, Student Club of Mechanical department organized Poster Competition on National Science Day. This was organized for students of II, III & IV Year.
- A workshop was organised by ME students on Decoding of IC Engine.
- IP Lecture Series on GITS –IIC platform by Student Club was attended by students of 3rd & 4th Year ME dated 27- 29 April 2022.
- II Year students participated in MIC driven Activity of IIC Cell

BOOKS & PUBLICATIONS

1. Publications / Paper in presented in Conference and published in International Advanced patent.

2. Patent filed by Mr. Denis Jangeed in AI-enabled robotic based fully autonomous construction.



3. Patent number 2021105487 of Australian Government granted on 17th November 2021 on Title of Invention: Novel Granular piles installation process in soft clays with the calculation using design charts.

4. Proposals for Consultancy: Two Proposals prepared for MODROB by the Department of Civil Engineering.

5. Patents filed by department of ECE:

- Patent Apparatus to Drive Away Locust and Wild Animals; App. No: TEMP/E-1/35903/2021/MUM, 20212032078, E-12/1130/2021/MUM (16-07-2021)
- Patent: Smart Forest Fire Extinguisher Using Unmanned Aerial Vehicle (UAV); App. No: TEMP/E-1/64475/2021/MUM, 202121057060, CBR No:28651 (08-12-2021)

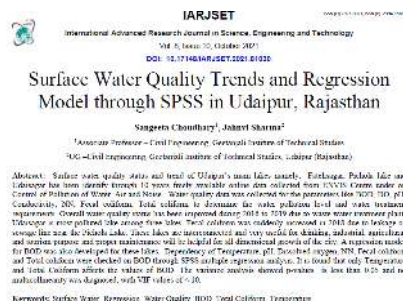
6. Publications in Journal or Proceeding/Patents /Books/Chapters submitted by the Humanities and Sciences Department.

- K Soni, V Jain, N Lakshmi, First-principles calculations of electronic and optical properties in the bulk and on the (001) surface of CsPbCl₃, Journal of Physics: Conference Series 2070 (1), 012014
- K Soni, A Sheikh, V Jain, N Lakshmi, Application of Natural Betalain Dye from Beetroot for Improved Efficiency in Dye Sensitized Solar Cell, IOP Conference Series: Materials Science and Engineering 1187 (1), 012005
- Jaipal Singh, Atul Tyagi & Gajendra Pal Singh, LRS Bianchi Type-I Bulk Viscos Model With Stiff Fluid in C-field Theory Prespacetime Journal, December 2021 Volume 12 Issue 5
- Dr. Gajendra Pal Singh, Book, Bijganita (Algebra) 2021, ISBN 978-81-7906-931-8, Himanshu Publication

- v. Dr. Gajendra Pal Singh, Book, Jayamiti (Geometry)2021, ISBN 978-81-7906-941-7, Himanshu Publication
- vi. Dr.Gajendra Pal Singh, Book, Vastavik Vishleshan (Real Analysis)2021, ISBN 978-81-7906-935-6, Himanshu Publication
- vii. Dr.Gajendra Pal Singh, Amrut Bijganit (Abstract Algebra) 2021. Book, Bijganita (Algebra) 2021, ISBN 978-81-7906-947-5, Himanshu Publication
- viii. Dr. Hina G Oza submitted research article in Journal of Alloys and Compounds on 11/04/2022, Under Review Status, entitled "Effect of Jahn Teller Distortion on the Structural and Magnetic Properties of Cu substituted CoZn Spinel Ferrite"
- ix. Dr. Vishal Jain, Co-author in research article in Journal of Alloys and Compounds on 11/04/2022, Under Review Status, entitled "Effect of Jahn Teller Distortion on the Structural and Magnetic Properties of Cu substituted CoZn Spinel Ferrite"
- x. Dr. Deepika Sahu, International Conference on Multi-Disciplinary Application & Research Technologies (ICMART 2022) "Online OPD Arrangement and Medical Clinic data Framework" Paper Presented
- xi. Dr. Hina G Oza and Dr. Vishal Jain Submitted a paper in Journal of Magnetism and Magnetic Materials on 16th June 2022
- xii. Dr. Vishal Jain Submitted a paper in Physica B: Condensed Matter.
- xiii. Ms. Anjali Dhabhai, National Conference on Innovations and Technological Advancements: Vision 2050 (NCITA2022), Paper presented and published on "Teaching vocabulary through language games - A positive approach" ISBN:978-93-92254-04-8
- xiv. Ms. Anjali Dhabhai, National Conference on Innovations and Technological advancements: Vision 2050 (NCITA 2022), Paper presented and published on " A study on effectiveness of using language games in teaching vocabulary to secondary students" ISBN:978-93-92254-04-8

7. Publications in Journal or Proceeding/Patents /Books/Chapters submitted by the Civil Engineering dept.

- i. Journal in Science, Engineering and Technology Paper in International Advanced Research Journal in Science, Engineering and Technology by Dr. Sangeeta Choudhary titled "Surface Water Quality Trends and Regression Model through SPSS in Udaipur, Rajasthan.
- ii. One Paper Published by Dr. Manish Varma in international SCI Journal

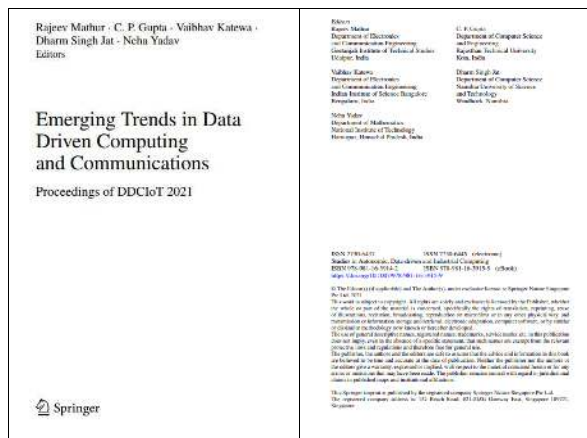


- iii. Presented the Paper at Two Days International E-Conference on Novel Innovations & Sustainable Development in CE- NISDCE 2022 by Mr. Denis Jangeed
- iv. Paper Proceeding in International Conference on Multi-Disciplinary Application & Research Technologies (ICMART-2022) held on 27th – 28th May, 2022 Organized at GITS Udaipur by Denis Jangeed
- v. Paper published in Springer journal "Smart Technologies for Energy, Environment and Sustainable Development Vol-1 May-2022 by Dr Manish Varma.
- vi. Paper Presented in Second International Conference on Sustainable Energy, Environment, and Green Technologies (ICSEEGT-2022) organized by Poornima College of Engineering, Jaipur, Rajasthan, India held from 24-25 June 2022 by Dr. Sangeeta Choudhary.

8. Publications in Journal or Proceeding/Patents /Books/Chapters submitted by the MBA dept.

- i. Exploring the Perception of YouTube Viewers: A Special Study on Udaipur Users. The Journal of Oriental Research Madras. ISSN: 0022-3301 | JULY 2021 | page number 169 by Dr Kiran Soni.
- ii. "A Study to Determine Impact of Technological Changes on Entrepreneurs" Academy of Entrepreneurship Journal (Print ISSN: 1087-9595; Online ISSN: 1528-2686). JULY 2021 <https://www.abacademies.org/special-issues/volume-27-special-issue-4-title-business-model-evolution-and-entrepreneurship2.html> (Scopus Journal) by Dr Kiran Soni.
- iii. A Synthesis of Global and Indian Perspective on National Skill Qualifications Framework, Journal of Education: Rabindra Bharati University, ISSN : 0972-7175 Vol. : XXIII, No. :9(II), 2021 (UGC CARE Approved) by Dr Manoj Kumawat.
- iv. Emotional intelligence and stress: An empirical analysis on working Mavens in Indian IT industry, Volume 14 Issue3 September 2021(PBRI) ISSN 0974-438X by Dr Harshita Shrimali.
- v. A Synthesis of Global and Indian Perspective on National Skill Qualifications Framework, Journal of Education: Rabindra Bharati University, ISSN : 0972-7175 Vol. : XXIII, No. :9(II), 2021 (UGC CARE Approved) by Dr Manoj Kumawat
- vi. Emotional Intelligence And Stress: An Empirical Analysis On Working Mavens In Indian IT Industry, Volume 14 Issue3 September 2021(PBRI) ISSN 0974-438X by Dr Harshita Shrimali.

9. BOOK: September 2021, "Emerging Trends in the Data Driven Computing & Communication" Book By Dr. Rajeev Mathur in Springer with Three Papers. Link: <https://link.springer.com/book/10.1007/978-981-16-3915-9>



11. Patent published by CSE department

- Patent Published Indian Patent Office-IoT and Artificial Intelligence based Controlling of smart movable road driver and clearance ambulance path. Published on - 04/02/2022 by Ms Payal Sachdev.
- Patent Published on "A System To Predict The Occurrence Of Cracks On Walls By Analyzing The Concrete Mixture Using Machine Learning Techniques" By Ms Ruchi Vyas, Mr Bhupendra Teli, Mr Ritesh Kumar Jain on 25/3/22.
- Patent Published on "Machine Learning based Digital Twin architecture Model and communication interfaces for cloud based cyber physical systems for industry 4.0" By Monika Bhatt on 30/3/22.

12. Paper Published in IET Digital Library by Dr. Rajeev Mathur and Mr. Latif Khan of ECE department. Link: <https://digital-library.theiet.org/content/conferences/10.1049/icp.2021.0941>

13. Publication by CSE faculty and students : Research Paper on "Blockchain Technology for advancements of smart cities." by Sanah Mathur & Sakshi Sanadhya III Yr CSE students in conference International Conference of Undergraduate Students ICUS21, November 27-28,2021.



14. Installation of Contact less Bell on Radaji Bawaji Mandir. Patent Published by students of CSE and Innovation Lab on "Almighty Touchless Holy Bell" on 07/01/2022. The inventors were Dr. Mayank Patel, Saurabh Srivastava, Harshita Jain, Milind D Jain and Mr. Latif Khan.

15. 2 papers Contributed by Dr. Vishnu Agarwal, Associate Professor- ME in 3rd International online conference on 'Emerging Trends in Multi-Disciplinary Research' ETMDR-2022 held on Jan 20-22, 2022 at Poornima University, Jaipur.

16. Paper Presented by **II year student (Mechanical Engineering) Taher Ali** titled **"Advance Heavy Water Reactor (AHWR) : Thorium Based Nuclear Energy Technology in India"** in 3rd International online conference on "Emerging Trends in Multi-Disciplinary Research" ETMDR-2022 held on Jan 20-22, 2022 at Poornima University, Jaipur.

17. **Best Paper Award** in National Conference on "Innovations & Technological Advancements: Vision 2050(NCITA-2022)" in association with Computer Society of India, Udaipur Chapter on 1st & 2nd January at Aravali Institute of Technical Studies, Udaipur presented to Dr. Shripati Vyas, Mr. P.Sundaram, Mr. Rajat sharma and Ms. Radhika Borana."

10. Publication by CSE faculty (Paper in Journal or Proceeding/Patents /Books/ Chapters)

- "Discussing Phases & Models of software development life cycle" Research Paper by Ms Jyoti Kaushal in Vidhyabharti International Interdisciplinary Research Journal ISSN no 2319-4979 International conference on Emotions & Multidisciplinary Approaches.
- Published a paper entitled "Soil Analysis Mechanisms for Smart Agriculture: A Review" published in Recent Trends in Sensor Research & Technology STM Journal. ISSN: 2393-8765, Year: 2022, Volume: 8, Issue: 03 by Mr Rakshit Kothari & Ms Jyoti Kaushal.
- Accepted one research paper in International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2022) – IEEE Conference on 14/02/2022 (Awaited Publication) By Mr Rakshit Kothari.
- Dr. Mayank Patel & Mr Rakshit Kothari presented paper in IEEE international conference of sustainable Computing System enhancing non-fungible tokens for evaluation of Blockchain Technology April 2022.
- Dr. Mayank Patel, Mr. Abhishek Gupta & Mr Bhupendra Kumar Teli presented paper on "SENTIMENT ANALYSIS IN HUMANS BY USING RESOLUTION THEOREM IN ARTIFICIAL INTELLIGENCE" Shodhasamhita : Journal of Fundamental & Comparative Research ISSN: 2277-7067.
- Ms. Monika Bhatt Guruji Mr. Ajay Kumar Sharma Paper on "SENTIMENT ANALYSIS IN HUMANS BY USING RESOLUTION THEOREM IN ARTIFICIAL INTELLIGENCE" Shodhasamhita : Journal of Fundamental & Comparative Research ISSN: 2277-7067.
- Ms. B Niharika & Mr. Farhan Khan Presented Paper in IEEE international conference of sustainable Computing System enhancing non-fungible tokens for evaluation of blockchain Technology April 2022.

A Novel Technique for Enhancing the Health of Transformer Mineral Oil Using AI-Based Strategy" published in NCITA-2022.

18. Paper presented by Mr. Krishan Gopal Sharma & Shruti Jain in National Conference on Next Generation Technological Advancements: Vision – 2050 (NCITA-2022) TITLE OF PAPER- Design of Standalone Solar Generation System Using ZVS Converter on 21&22 Jan 2022.

19. Paper Titled ‘A REVIEW: Development of smart agriculture using IOT, agriculture robots and wireless sensor network’ presented in 3rd International Conference on Artificial Intelligence: Advances and Applications (ICAI AA 2022) organized by Poornima College of Engineering, Jaipur technically sponsored by Soft Computing Research Society, New Delhi on April 23-24, 2022 Authors:- Disha Sharma, Dharmendra Vaishnav, Divyanshu Joshi, Gopal Krishan Sharma and Dharmendra Trivedi

20. Papers presented and publications by faculty and students of ECE :

- i. Paper presented by Dr Vijendra K Maurya & Ravi Teli in International Conference Multidisciplinary Perspective in Engineering & Technology held on 24 -25 June 2022 at Srinath Ji Institute of Technology, Nathdwara, Rajasthan.
- ii. M. A. Samma, S. Vagrecha, R. Mathur and L. Khan, "Intelligent wastewater treatment system with IOT based monitoring for smart cities Paper Published in IET Digital Library Link: <https://digital-library.theiet.org/content/conferences/10.1049/icp.2021.0941> and in 3rd Smart Cities Symposium (SCS 2020), 2020, pp. 83-88, doi: 10.1049/icp.2021.0941. Added to IEEE Xplore: 22 September 2021: 978-1-83953-522-2 as well as in 3rd International Smart Cities Symposium" at Bahrain, 21-23 Sept 2021, ISBN: 978-1-83953-522-2, Conference number: CP777, pp 83-88. DOI:10.1049/icp.2021.0941.
- iii. Ashmit Dabi, Darshan Seth, Divya Soni, Siddhi Chaplot, Khushi Sharma, Latif Khan, Rajeev Mathur "IoT based Smart Ultraviolet Disinfecting and Sterilizing Robot for Public Places" Published in Springer Book- Emerging trends in data driven computing & IOT, "Studies in Autonomic, Data-driven and Industrial Computing (SADIC)", ISBN 978-981-16-3914-2. (SCOPUS).
- iv. Mohammad Ateek, Shubham Vagrecha, Rajeev Mathur, Mr. Latif Khan, Lokesh Sharma, Sheetal Sharma "Self-Powered Intelligent Wastewater Treatment System with IOT Based Monitoring for Smart Cities" Published in Springer Book- Emerging trends in data driven computing & IOT, "Studies in Autonomic, Data-driven and Industrial Computing (SADIC)", ISBN 978-981-16-3914-2 (SCOPUS).
- v. Mohammad Ateek, Shubham Vagrecha, Rajeev Mathur, Mr. Latif Khan, Lokesh Sharma, Sheetal Sharma "IOT based IV Stand for Healthcare Sector" Published in Springer Book- Emerging trends in data driven computing & IOT, "Studies in Autonomic, Data-driven and Industrial Computing (SADIC)", ISBN 978-981-16-3914-2 (SCOPUS).
- vi. Tina Bhati, Sabit V Maurya, Latif Khan "Comparative analysis of AFE Cardiac Amplifier used in IOT Application" Published in Springer Book- Emerging trends in

data driven computing & IOT, "Studies in Autonomic, Data-driven and Industrial Computing (SADIC)", ISBN 978-981-16-3914-2 (SCOPUS).

- vii. Mohammad Sabir "Performance analysis of 2 % Fe₂co₃ Doped Thick -Film Gas Sensor in Toxic Liquid Detection Using Machine Learning Techniques" Int. Conf. IEEE Xplore-Compliant ISBN 978-1-6654-0118-0. 20-22 and Mohammad Sabir "Fake Fingerprint Detection System: A Review" Int. Conf. ETMDR-2022 Poornima University, 20-22 Jan 2022.
- viii. Alisha Chaplot published a paper titled "Raspberry-Pi Based Weather Reporting over IoT" in June 2022.

21. Paper Presented by **III year students (Mechanical Engineering) Mayur Choubisa and Hemant Lohar** titled "**Carbon Absorption System: A review**" in 3rd International online conference on 'Emerging Trends in Multi-Disciplinary Research' ETMDR-2022 held on Jan 20-22, 2022 at Poornima University, Jaipur.

22. Papers presented and publications by Faculty and students of Mechanical Engineering:

- i. Paper Presented by **Dr. Vishnu Agarwal** titled "Advance Heavy Water Reactor(AHWR) : Thorium Based Nuclear Energy Technology in India" in 3rd International online conference on Emerging Trends in Multi- Disciplinary Research "ETMDR-2022 held on Jan 20-22, 2022 at Poornima University, Jaipur.
- ii. Paper Presented by 3 year students **Dr. Vishnu Agarwal** titled "Carbon Absorption System: A review" in 3rd International online conference on Emerging Trends in Multi-Disciplinary Research ETMDR-2022 held on Jan 20-22, 2022 at Poornima University, Jaipur.
- iii. Paper Contributed By **Dr. Saurabh Tege** in 3rd International online conference on Emerging Trends in Multi- Disciplinary Research "ETMDR-2022 held on Jan 20-22, 2022 at Poornima University, Jaipur.
- iv. Patent by **Dr. Saurabh Tege**: Title of the invention "Artificial Intelligence based (BP) Blood- pressure dropping system for avoidance of cardiovascular- disease using Data Mining & machine learning Techniques for Health care Management"
- v. Mukesh K Lohar, Shivansh Vaishnav, Sachine Panchal, Rupanshu Singh Chouhan, Shubham Jain, Fabrication of Four Wheel Segway with Handle, Journal of Scientific and Engineering Research, 2022, 9(3):91-95.
- vi. 4 Students from final year ME published a paper entitled " Atmospheric Air Water Generator "in International Journal of Innovative Research in Science , Engineering & Technology, Vol. 11 , Issue 5,May 2022.
- vii. 4 Students from final year ME published a paper entitled " Comparison between CNC Router & Lathe Machine "in International Journal of Innovative Research in Science , Engineering & Technology , Vol. 11 , Issue 5,May 2022.
- viii. 5 Students from final year ME published a paper entitled "To alleviate the release of harmful Chemicals by using smoke collecting Device "in Journal of Scientific & Engineering Research, Vol. 9, Issue 4th May 2022.
- ix. 3 Students from final year ME with Mr. Abhishek Joshi, Ms. Manisha Joshi, Assistsnt Prof- ME, published a paper entitled "Automatic Bottle Filling System using PLC

- Based Controller in “International Journal of Innovative Research in Science , Engineering & Technology , Vol. 11 , Issue 5,May 2022.
- x. 3 Students from final year ME with Mr. Abhishek Joshi, Ms. Manisha Joshi, Assistant Prof- ME, published a paper entitled “Pick and Place Robotic Arm using Arduino” in “International Journal of Innovative Research in Science , Engineering & Technology , Vol. 11 , Issue 5,May 2022.
 - xi. Ms. Deepti Mehta and Md. Zuber Khan published a paper entitled “Atmospheric Air Water Generator “in International Journal of Innovative Research in Science, Engineering & Technology, Vol. 11, Issue 5, May 2022.
 - xii. Ms. Deepti Mehta and Md. Zuber Khan published a paper entitled “Comparison between CNC Router & Lathe Machine “in International Journal of Innovative Research in Science, Engineering & Technology, Vol. 11, Issue 5,May 2022.
 - xiii. Ms. Surbhi Mishra published a paper entitled “To alleviate the release of harmful Chemicals by using smoke collecting Device “in Journal of Scientific & Engineering Research, Vol. 9, Issue 4, May 2022.
 - xiv. Dr. Saurabh Tege published a paper entitled “Design of Solar Based Innovative Agricare Machine” in Journal of Scientific & Engineering Research, Vol. 9 , Issue 5, May 2022.
 - xv. Dr. Saurabh Tege published a paper entitled “Test quantitative effect on Air, water and noise pollution before and after implementation of lean green practices in Marble Mining” in European Journal of advances in Engineering & Technology .
 - xvi. 2 Students from final year ME and Mr. Abhishek Joshi, Assistant Prof ME, published a paper entitled “ 360 Degree Fire Protecting SYstem “in International Journal of Innovative Research in Science , Engineering & Technology, Vol. 11 , Issue 6 ,June 2022
 - xvii. 1 Student from final year ME, Dr. Deepak Paliwal, Ms. Manisha Joshi and Mr. Abhishek Joshi, Assistant Prof ME, published a paper entitled “ Hand Gesture Control Arduino Robot “in International Journal of Innovative Research in Science , Engineering & Technology , Vol. 11, Issue 6,June2022.
 - xviii. 2 Students from final year ME with Ms. Deepti Mehta and Mr. Zuber Khan, published a paper entitled “Design & fabrication of CNC Router “in International Journal of Innovative Research in Science , Engineering & Technology, Vol. 11 , Issue 6 ,JUNE2022.
 - xix. Dr. Deepak Paliwal published a paper entitled “Electric & Wind Powered Vehicle ” in “ Journal of Emerging Technologies & Innovative Research , Vol.9 , Issue 6,June 2022.
 - xx. Dr. Deepak Paliwal published a paper entitled “Design & Development of Laser Engraver,” in International Journal of Novel Research & development, Vol.7, issue 6, June 2022.
21. Papers presented and publications by Faculty and students of Electrical Engineering
- i. The research paper on “Solar Powered Smart Irrigation System” is prepared by final year EE department students - Parag Sharma, Nikhil Rajani, Divya Sahu, Atik Mohammad, Ashish Paliwal under the guidance of Mr. Chandra Prakash Jain, Assistant

- Professor, EE Dept., GITS was published in Design of electrical apparatus of Scientific International Publishing House.
- ii. The research paper on “Smart Home Automation for physically challenged person” is prepared by final year EE department students Yogesh Jatav., Jenny Dhakar, Divyansh Lohar, Shubham Kumawat under the guidance of Mr. Prakash Sundaram, Head of department, EE Dept., GITS
 - iii. The research paper on “Smart Prepaid Energy Meter” is prepared by final year E department students Vinita Kunwar Rao, Riya Suhalka, Ritu Verma, Ritik Tailor, Manish Vyas, Suraj Paliwal under the guidance of Mrs. Shruti Bhadviya, Assistant Professor, EE Dept., GITS.
 - iv. The research paper on “GSM based 3 phase star delta starter for 3 phase induction motor” is prepared by final year EE department students Rahul Chasta, Virendra Singh Chundawat, Sudhanshu Raj, Aaditya Upadhyay, Aditya Shah under the guidance of Mr. Abhishek Sharma, Assistant Professor, EE Dept., GITS.
 - v. Dr. Shri Pati Vyas presented a research paper in International Conference on Computing, Networks & Renewable Energy, (Scopus indexed) from 9-11 June 2022.
 - vi. Dr. Shri Pati Vyas published a paper in International Journal Of Swarm Intelligence (Inderscience publications)
 - vii. Dr. Shri Pati Vyas published a paper in Springer journal “Control Applications in Modern Power System” 2022
 - viii. Mr. Gopal Sharma Paper presented in International conference on Multidisciplinary perspectives in Engineering & Technology (ICMDPET-2022) held on 24 & 25 June 2022 Titled Natural language processing: Research.
 - ix. Paper presented by Mr. Dharmendra Trivedi and Badal Singh and Deepak in International conference on Multidisciplinary perspectives in Engineering & Technology (ICMDPET-2022) held on 24 & 25 June 2022 titled ‘Control Strategies For Power Quality Improvement Of Hybrid Stand-Alone Solar PV and Wind Energy System’.
 - x. Mr. Dharmendra Trivedi with Amit Nagda, Om Prakash, Anunay Paliwal presented paper in International conference on Multidisciplinary perspectives in Engineering & Technology (ICMDPET-2022) held on 24 & 25 June 2022 titled ‘Sequence starting of two 3 phase motor with time delay’.
 - xi. Mr. Arvind Singh Rathore with Ronak Pokharna, Krivesh Jain and Sanjay Patidar presented paper in International Conference on Multidisciplinary Perspectives in Engineering & Technology (ICMDPET-2022) held on 24 & 25 June 2022 titled ‘Comparison of simulated result and real time result of solar power generation’.

PLACEMENTS

The Career Development Cell is an integral part of GITs and the cell is fully invested in providing sound infrastructure and trainings and career opportunities to the students throughout the academic year. The CDC has taken numerous initiative to develop technical skills alongside analytical capabilities, provide training in Q n A, reasoning and verbal abilities and enhance communication abilities among the students eligible for placements.

CDC operates round the year to provide not only job opportunities to the final year students but also internships to all the students of the college and serves as an interface between the students and the Corporates. We aim to invite companies from various fields in order to make range of opportunities available for the students of all courses.

In the first half of the academic year, we have had 45 companies coming to Geetanjali Institute of Technical Studies for placements which included Bosch Ltd., HSBC Software Development (India) Pvt. Ltd., IFCI Financial Services Ltd., Secure Meters Ltd., Accenture, LIDO Quality Tutorials Pvt. Ltd., Pinnacle Infotech, Timestar Group, Reliance Jio Platforms Ltd., TatvaSoft, Lucent Innovations, Solar Labs etc. A total number of 199 students were placed till December 2021.

The Cell also organised talks, training sessions and mock Interview and GD sessions to equip students with life skills and to provide career guidance about the avenues on completing their education at the institute. The CDC also organised an Expert Talk by Mr. Raghav Nyati from Deloitte for the First Year students on 4th December 2021.

INTERNSHIPS:

- Internship and Placement Drive by Lexcis on 20 - 23/6/22 organized by Dr. Mayank Patel and Mr. Jitendra Sharma.
- Internship & Placement Provided to 8 VI Sem Students by Icubes on 22nd June 2022.
- Internship & Placement Provided to VI Sem Students by Affinity Steps on 23rd June 2022.

The consolidation of Trainings conducted by the Career Development Centre focused towards placement preparation is summarized as below:

Programme and Training Sessions conducted from 1st July 2021- 30th June 2022 Online Training Session for the Placements of 2022 batch from 2nd July 2021:

Online Training Sessions in Technical Training (CSE), Q&A – Aptitude and Verbal Ability for 3rd year B.Tech. This Placement – focused training module is designed to prepare all eligible candidate for the placements processes, particularly in IT and Software industry, that will began from July 2021 onwards.

Days: Monday to Friday

Timing: 1:30 to 2:30 pm - Q&A and Reasoning

2:30 to 3:30 pm – Technical Training

3:30 to 4:00 pm – Verbal Ability

Summer Internships as well as Value – Added trainings from 23rd July 2021:

For B.Tech 2022 batch (3rd year coming to final year) Students of Civil, Electrical & Mechanical Engineering departments.

1) The duration of industrial training/Internship for Sixth Semester must be for a minimum 30 days.

2) Options that the students can choose from are:-

☐ Online Training (Work from Home)

☐ Industrial Training

3) After successful completion of internship, training course etc. students must prepare a Report as per the prescribe norms & Format and submit it along with completion certificates to the institute.

Resume Building Sessions for B.Tech Final year students:

CDC Department circulates the **Sample Resume** among the students who are eligible will be applying for placements of this year so that they can **redesign**.

Remake their final resumes using this as a template by 10:00 am on 26th July 2021.

Mock Interview sessions for upcoming Placement Drive – Thermax Ltd. From 16th August 2021:

CDC will be conducting Mock Interview sessions for the students (ME, ECE & EE) 2021 batch who are eligible for the upcoming Placement Drive of Thermax Ltd. The timing will be from 3:00 pm to 4:00 pm

Students Name: Khushi Bhatnagar (ECE), Ashok Sahu (EE), Dipankar Saha (EE), Hement Devenda (EE), Arjun (ME), Bhavesh Mali (ME), Devkaran Kumawat (ME), Himmat Singh (ME), Khushagrah Salvi (ME), Lokesh Kumar (ME), Nilesh Suthar (ME), Pradeep Kharadi (ME), Shubham Kumar (ME), Vaibhav Menario (ME), Shubham Panchal (ME), Vishal Singh Chouhan (ME)

15 Days Summer Training from 3rd September:

CDC and each department will be conducting 15 days Summer Training for B.Tech 2nd year (2023 Batch) students. This module is designed to supplement the syllabus based academic knowledge and enhance the skill through workshops and Training in specific domains and Soft Skills.

☐ Technical & Practical Classes by Concerned department (Subject Oriented)

☐ Aptitude by Mr. Mukesh Lohar

☐ Soft Skills by Ms. Shailja Ranawat

LABS & INFRASTRUCTURE

1. IoT Devices & project laboratory set up in the Dept of CSE in January 2022.
2. ICT Facilities Enabled in CSE Department classrooms.
3. Department of Electrical Engineering added Speed Control of 3-phase Induction motor, Scott connection, direct axis and quadrature axis reactance of synchronous machine etc. equipment for Power Electronics & Electrical Machine Lab.
4. Three classrooms in the Department of Humanities and Sciences have been transformed into smart classrooms equipped with ICT facilities.
5. New water cooler was installed in the first year block to provide cool, clean RO drinking water.




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CULTURAL AND SPORTS

1. Student Club Activity conducted a **Technical Quiz Competition** on 7th August 2021.
2. **Sports:** As the famous quotation goes “A healthy mind prospers in healthy body”. The biggest challenge is maintaining good health and this challenge can be easily achieved by playing sports. The GITS Annual Sports Meet was organized from 22nd to 24th December 2021. Games like Cricket, Gully Cricket, Football, Volleyball, Basketball, Chess, Badminton, Table Tennis, Chess, Carrom & Athletics events were played by students on knock out basis.
 - i. Cricket - The first match played between Electrical/Electronic v/s Mechanical, in that Electrical beat Mechanical. In second Match, First year Team (C) beat CSE; In third Match Civil beat First year team. The first semi-final match between Electrical and Electronic beat First years and the second Semi-final match between Civil Engineering and First year team (B). The Final Match was between Electrical /Electronic branch beat Civil Engineering, with Electrical and ECE teams as winners.
 - ii. Football - the matches were held between students of Mechanical Engineering, Civil Engineering, CSE and the First Year. The winning team CSE beat Mechanical Engineering by 5-3.
 - iii. Volleyball tournament had four teams participate in GITS Annual Sports Meet 2021, namely First Year, Civil Engineering, Mechanical Engineering and CSE. In the Final Match CSE beat the First year by 2-1.
 - iv. Basketball, although a very popular game in GITS had 2 teams participate in the Sports Meet; First Year Team and Mechanical Engineering Team. Team Mechanical defeat team first year by 41-6 points.
 - v. Gully cricket tournament is the most popular game in GITS annual sports meet each year. In this event each team has 7 members in which 2 of them are girl's players. In this 14 teams participated in and enjoyed the game thoroughly.
 - vi. Chess - The game of chess was played in GITS Annual Meet 2021. Chess is the oldest game in India. Both boys and girls participated in this event. The final match (boys) was between Khuman Singh and Masoom Chaurisa with Khuman Singh declared winner; while among the girls Purva Vijay beat Vanshita Soni.
 - vii. Carrom - In GITS Annual Sports Meet, carrom was played by students on knock out basis. In boys Farashan Ahmed won the tournament by defeating Mohd. Junaid Mansoori and in girls Nansi Maheshwari won the final match from Rupal Porwal.
 - viii. Badminton - In GITS annual maximum number of students participated in the badminton championship. In boys final match Akshat Toshwara beat Mohit Jangid and won the tournament, in girl's final match Nishita Tak beat Vaishali and won the first prize.
 - ix. Table –Tennis- In GITS Annual Sports Meet 2021, table tennis matches were played on the basis of best of 3 matches between students. The final match was between KanishaRaj Singh Jhala and Arpit Menariya and Kanishak Raj won the first prize, the second final was between Yogita Sharma and Vidhi Mehta where Yogita beat Vidhi Mehta to win the First Prize.
 - x. Athletics – The result of the winners in various events is as follows:

100 Meter (Boys) 1. Dinesh Kumar 2. Rudrakash 3. Parmanad Mali


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100 Meter (Girls) 1. Richa Sinha 2. Purva Vijay 3. Anubhuti 3. Memansa

200 Meter (Boys) 1. Bheru Lal Choudhary 2. Dinesh Kumar 3. Jai Lodha

200 Meter (Girls) 1. Richa Sinha 2. Jaya Sisodiya 3. Sweety Tak

4*100 Meter (Relay, Boys)

I Position 1. Hari Pratap 2. Dinesh 3. Uttam Choudhry 4. Bheru Lal Choudhary

II Position – 1. Akshay Mehta 2. Shail Dave 3. Yash Bharti 4. Lakhan

III Position- 1. Parmanad 2. Aniket 3. Bhavya 4. Yuvraj

3. **Cultural Activities:** The institute through its Cultural Club organizes numerous cultural activities throughout the year. The inaugural ceremony of the college's cultural activities commenced with the academic year 2021-22 and celebrated the national, state festival and national days of importance etc. at the college to create awareness about the cultural and patriotic ethos of the nation as well as to pass the civilizational values to the future generations. Recognizing and nurturing the hidden talent of the students helps in all-round development of the students. The institute has a system of volunteers e.g. NSS and NCC volunteers and other student bodies which are involved in the celebrations of various important days. Here is brief account of the days that the institute prominently celebrates:

a. Days of National and International importance:

- i. Independence Day, 15th August: Every year the Indian Independence day is celebrated in the campus. Flag hoisting is done by the Director which is followed by the National Anthem and a speech from dignitaries present.
- ii. Republic Day, 26th January: Every year the Republic day is celebrated in the campus. Flag hoisting is done by the Director which is followed by the National Anthem and a speech from dignitaries present.
- iii. Yoga Day, 21st June: Activities related to Yoga are celebrated in the campus. Students and faculty perform Yoga under the supervision of a trainer. During the lockdown, Yoga day was celebrated online.
- iv. Teacher's Day, 5th September: on this day, various departments of the institute celebrate teacher's day in the memory of Dr Sarvepalli Radhakrishnan, 2nd president of India. The students conduct activities and felicitate their teachers in the various departments.
- v. Gandhi Jayanti, 2nd October: due to National holiday, Gandhi Jayanti is celebrated one day before i.e. on 1st October. On this day the faculty and staff of the institute remembers the teachings of our beloved father of the Nation, Mahatma Gandhi
- vi. International Women's Day, 8th March: On this occasion, the various activities are organized by the women cell, GITS, Udaipur. The activities are based on the themes of Gender sensitization, Girl education, women security etc.

vii. National Librarian's Day, 12th August: National Librarians' Day is observed on 12th August every year to commemorate the birth anniversary of Padmashri Dr S. R. Ranganathan (1892-1972), who is considered as father of library science in India. Programs are organized in the institute central library on this day at GITS.

viii. Engineer's Day, 15th September: The birth anniversary of Sir M Visvesvaraya is celebrated as Engineer's Day since 1968 as a tribute to a the great engineer who helped in building some of the architectural marvels including Krishna Raja Sagar dam in Karnataka. Programs are organized in GITS Udaipur on this occasion.

b. Events:

- i. Cultural festival: An annual cultural festival is organized in GITS Udaipur. It is organized to encourage the student
- ii. Technical festival: An annual technical festival is organized in GITS Udaipur. This is organized to encourage the students to showcase their technical skills in form of innovative projects.
- iii. Sports meet Alumni meet: An annual sports meet is organized in GITS Udaipur. The objective of conducting the sports meet is to make ensure that the students get opportunity to showcase their sport skills, team spirit. It also helps in keeping the students physically fit. The institute has various facilities for sports.
- iv. Vishwakarma Pooja, 17th September is celebrated as vishwakarma pooja. The day is specifically important for the Department of Mechanical Engineering. The institute Director, along with members of faculty perform the worship of tools and instruments in the institute's central workshop.

c. Festivals:

- i. Holi – wishes on the auspicious occasion are extended to each and every faculty and staff member of GITS Udaipur by the Director and the management of the institute.
- ii. Diwali – wishes on the auspicious occasion are extended to each and every faculty and staff member of GITS Udaipur by the Director and the management of the institute
- iii. Ganesh Chaturthi Celebrations - Ganesh Chaturthi commemorates the birthday of Lord Ganesh who is revered for his ability to remove obstacles. A Puja for 10 days is organised and on the Anant Chaturdashi the idols are immersed in water after a grand street procession.
- iv. Janmashtmi is a significant as it is the birthday of Lord Krishna, the incarnation of Lord Vishnu.
- v. Garba Night during Navratri festival, the nine-day-long festival of Navratri, is held annually to honour, worship and celebrate the feminine form of divinity.