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SWAMI KESHVANAND INSTITUTE
OF TECHNOLOGY, MANAGEMENT
& GRAMOTHAN, JAIPUR

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RANKED
NO.1
ENGINEERING
COLLEGE IN
RAJASTHAN

BY
RAJASTHAN TECHNICAL
UNIVERSITY (RTU), KOTA

CONSECUTIVELY
FOR 3RD YEAR

2017 2018 2019

# SKIT TIMES 2020

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SKIT TIMES
QUARTERLY BULLETIN

**VISION**

To promote higher learning in advanced technology and industrial research to make our country a global player.

**MISSION**

To promote quality education, training and research in the field of engineering by establishing effective interface with industry and to encourage faculty to undertake industry sponsored projects for students.


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# Covid - 19

## TRANSLATING CHALLENGES INTO OPPORTUNITIES ...

**Covid-19** has been a colossal stressor shaking up our psyche, triggering our psychosis and uncertainties. Human beings, who have always been a breed of meticulous planners, be it their daily schedules, deadlines and timelines, meetings and appointments or recreational and social activities, find it hard to cope with this 'New normal' although they have shown incredible resilience.

The pandemic has a lot of dark sides with fatalities and infections soaring to new heights every day, schools and colleges closed, the healthcare system overloaded and exhausted, labourers and employees losing their jobs, industries and companies facing bankruptcy, stock markets collapsing and countries having to spend billions on bailouts and medical aid.

But looking at the brighter side relieves many of our phobias and fears and awaken the human psyche to rise again to face and overcome the challenges posited by the pandemic and translate them into opportunities. As the good old SWOT analysis tells us, there are not only threats, but also opportunities that are available for most people affected by the crisis.

Some challenges turned into opportunities, to name a few, are:

More time for creativity, self-improvement: Suddenly our weeks stacked with business appointments, social gatherings and entertainment are cancelled or forbidden, giving us significant amount of extra time. Now is the time to put away the excuses and to introspect, re-arrange and truly look to tap into our needs and realize our potential unapologetically and without the fear of time running out.

Opportunity to reflect and rethink our habits and routines and make changes: The fact that the coronavirus has disrupted our day-to-day lives and interrupted lot of our routines, has also provided an opportunity to reflect on things and to reconsider what we do, how we do it and why we do it. This offers a great opportunity to redesign our routines and habits for a sustainable life on the planet.

Skip old measures and accelerate innovation
Covid-19 has shown that, as soon as there is a strong enough stimulus, things can change. This leads to remarkable innovations The pandemic has been a catalyst in driving organizations to manage new challenges of anticipating business continuity risks, handling decision-making in a rapidly changing environment, ensuring workforce productivity, and devising new innovative ways to handle operations in imparting products and services particularly in areas like education and healthcare. These labour pangs are a passage to a new world order.

The human touch in work and workforce
Leaders are learning new ways of forging trust with the workforce, and in turn positioning their businesses for a renewed growth. In terms of business, companies are also more attentive to the real needs of employees, stakeholders and customers in prioritizing their likes and dislikes, in order to build relevant solutions. The benefits of enabling work from home for the majority of workforce reflects the human touch. In fact, we have seen higher productivity from employees, while they work from home.

**Crisis brings us together**
Shared experiences bring us together, even in a crisis. As the world mourns the loss of thousands of valuable human lives and weeps with the essential workers who work tirelessly to try to help people amidst the pandemic, each of us seems to be more willing to lend a helping hand when needed during these uncertain times. The feeling of "we're in this together" has also triggered interesting ways of connecting.

**Cleaner environment**
As the cacophony of urban life is silenced, the air quality is now breathable and life in general has mellowed down. A significant reduction in greenhouse gasses and air, water & land polluting outputs has been observed. This provides us an opportunity to reconsider our ways of living and reorganize them in a way that has less adverse impact on our planet.

**Smarter ways for health and work zones**
We are now more aware of our health and the importance of exercising that may have suffered as work hours and travelling to and from home encroached on most of our time in a given day. Enabling work from home is a huge motivator for employees, especially for women. There is more time to be spent with families, there is time to catch up on long lost hobbies and it eliminates the perils of traffic. If we embrace this opportunity to adapt to remote working, the real estate and overhead costs for organizations will be remarkably reduced. This will also transform the ergonomics of a workspace with more flexible and agile work zones. Simply put, we have found a smarter way to achieve the same goals we were chasing a few months ago.

**Life will never be the same, so embrace the 'New Normal'**
Let's face it, we are at the threshold of a tectonic shift, and we have no other choice but to embrace the change with its most positive aspect firmly in sight. We will not return to what life was like before the pandemic – that is a fact; however, one thing is for sure, this pandemic is evidently bringing us together, as we share in the human experience of dramatic change. Surely, there are several other silver linings to this dark cloud of a pandemic looming over us. We have sufficiently proven that we can be resilient and agile when faced with a crisis...

**Krishna Sharma**
**Editor-in-chief.**

# Epistle : A NOTE FROM THE MENTORS

"You don't learn to walk by following rules. You learn by doing, and by falling over."
— Richard Branson

Learning should be based on doing things, that is, a hands-on approach to learning enhances comprehension. Students must interact with their environment in order to adapt and learn. Until and unless learning solutions relate to real life and motivate the learner to acquire and apply the knowledge, the whole process will remain superficial. Students are the nation-builders, the agents of change. Hence, efforts should be made not to create their future but to craft them for future. We lay a strong emphasis on developing problem-solving skills and making fundamentals clear which can help in building a solid foundation for the students during their 4 years of stay in college and will also be instrumental not only in providing job opportunities but also to perform better in jobs.

SKIT is dedicated to creating personally mature, professionally equipped and service-oriented graduates. I owe my gratitude to the teachers who are the key players in realizing this dream.
I wish a very bright future for the faculty and students of SKIT.

Jaipal Meel
Director

Albert Einstein has rightly said, "The only source of knowledge is experience"- there is no doubt that learning always enhances one's knowledge about the subject but reading about the thoughts and experiences of others helps one to better comprehend the subject. The college magazine is the perfect amalgamation of creativity and innovation. It brings the students and teachers of various disciplines on a common platform to share and display their ideas and creative talents. It harnesses the inventive energies of the academic community, and distils the essence of their inspired imagination in the most brilliant way possible. I am very much delighted to know that SKIT'S annual college magazine is ready for publication. I appreciate and applaud the editorial board for completing this task as per schedule, which in itself is a big accomplishment in the wake of covid19 pandemic. May all our students ascend high in unfamiliar skies and bring fame and grandeur to the world and their profession.

Best Wishes

S. L. Surana
Director Academics

SKIT has made a remarkable progress since its inception. It has been ranked as No.1 technological institute in Rajasthan for three consecutive years. The institution is known for its quality and excellence. The values of discipline, integrity of thought, commitment towards achieving goals, accountability for every success and failure and a high sense of contributing to excellence are the essential tenets of SKIT. Our objective is to impart professional education by nurturing innovative thinking and imparting professional ethics and consciousness in an integrated manner.

We have made a mark for ourselves but there is a long way to go. I am sure, with the active cooperation of all our stakeholders, students, faculty, staff, employees, collaborators, parents of the students, government organizations, media and public at large, we will be able to fulfill the vision and mission of SKIT. I feel highly elated to present the annual issue of SKIT TIMES which is a compilation of the yearlong activities of this institution. I congratulate and applaud the editorial board for their spellbinding efforts in bringing forth the talent of students.

Good Wishes,
Ramesh Kumar Pachaar
Principal



# PROCLAMATION

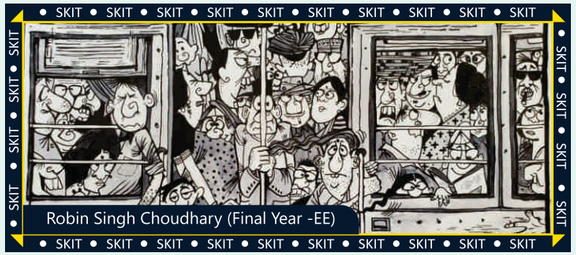
a record of happenings at SKIT

## SKITIANS PLACED IN VARIOUS PRESTIGIOUS ORGANIZATIONS

The Training & Placement Cell of SKIT plays a crucial role in locating job opportunities for under graduates and post-graduates passing out from the institute by keeping in touch with reputed firms and industrial establishments. Placement oriented training programs by the Cell play a major role in shaping up the career goals, and equipping the students with life skills, corporate etiquette and holistic personality grooming through rigorous training and mock – drills. Under the able guidance of Prof. Amber Srivastava, Head- Training and Placement Cell, Mr. Vineet Jain, Head, Corporate Communication, the TP cell has as usual nailed the benchmark in securing a good number of placements during the session 19-20. The highest package offered for this session is 12 LPA.

**B. Tech 2020 BATCH PLACEMENT LIST**

| S.N. | COMPANY/INDUSTRIES | NO. OF STUDENTS PLACED | S.N. | COMPANY/INDUSTRIES | NO. OF STUDENTS PLACED |
|---|---|---|---|---|---|
| 1. | Infosys | 214 | 29. | Adnate IT | 3 |
| 2. | Cognizant | 141 | 30. | Genus | 3 |
| 3. | TCS | 98 | 31. | Lido Learning | 3 |
| 4. | Pinnacle Infotech Solutions | 81 | 32. | Owebest Technologies | 3 |
| 5. | BYJU's | 37 | 33. | Alok Industries | 2 |
| 6. | ICICI Prudential | 35 | 34. | AurigaIT | 2 |
| 7. | Intime Tec | 27 | 35. | Concretio | 2 |
| 8. | Metacube | 27 | 36. | DataGrokr | 2 |
| 9. | Thrillophilia.com | 21 | 37. | HSBC | 2 |
| 10. | ATCS | 19 | 38. | Juspay | 2 |
| 11. | Biz4Intellia | 15 | 39. | Teleperformance | 2 |
| 12. | eInfochips | 15 | 40. | BMW Industries | 1 |
| 13. | AppPerfect | 11 | 41. | Buildwize | 1 |
| 14. | Torrent Gas | 10 | 42. | CareerKick Services | 1 |
| 15. | Adani Energy | 9 | 43. | Celebal Technology | 1 |
| 16. | Sankalp Buildmart | 9 | 44. | DXC Technology | 1 |
| 17. | Birlasoft | 7 | 45. | Emporis | 1 |
| 18. | Calvin Klein and Tommy Hilfiger | 7 | 46. | FlickZee | 1 |
| 19. | IBM | 7 | 47. | Lucideus Tech | 1 |
| 20. | MTX | 7 | 48. | Madhus Garage Equipments | 1 |
| 21. | RoboMQ | 7 | 49. | Mahindra & Mahindra | 1 |
| 22. | NIIT Tech | 6 | 50. | Meditab | 1 |
| 23. | Asahi India Glass | 5 | 51. | MobiKwik | 1 |
| 24. | Innoraft Solutions | 5 | 52. | Netlink | 1 |
| 25. | Technoforte | 5 | 53. | Quantiphi | 1 |
| 26. | Value Labs | 5 | 54. | Wipro | 1 |
| 27. | Jaro Education | 4 | | **Total Selection** | **Still continues....** | **879** |
| 28. | Jaro Toppscholar | 4 | | | |




Robin Singh Choudhary (Final Year -EE)

Vijeta Khicha (Assistant Professor, CSE)

PRAVAH
2020

# The Annual Techno-Cultural Fest of SKIT Jaipur

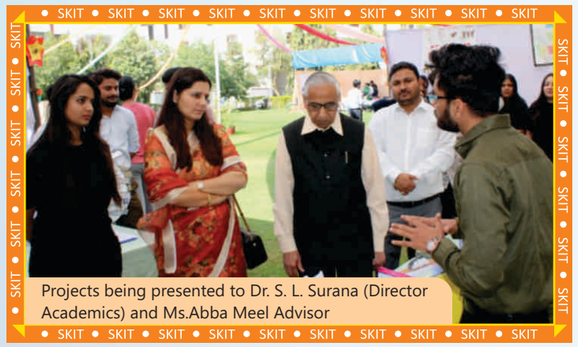
PRAVAH the annual inter- college, techno-cultural and sports fest signify the rich tradition of our institute in promoting and fostering innovative and creative sparks that the SKIT family has nurtured for over a decade. It showcases the amalgamation of sports, cultural and technical events with participation of over a large number of colleges from the state of rajasthan and mammoth crowd of huge amount of students, it is one of the Jaipur's largest college cultural festival and has developed over the years into so much more: a Launchpad for upcoming artists, a spectacular showcase of talent, an epitome of incredible human experience, where friendships are born and memories are made amidst the gleam of several bonfires as the nights intensify.

PRAVAH immerses us into the thoughts of alluring colorful lights, unstoppable music, DJs and VJs, and even savoring foods, it bends us towards competitions, huge crowds, and cultural diversities which indeed gift a massive package of memories. The overall mission is to bring along all and invigorate with extreme amounts of pure happiness. It also serves as an escape from all the bitterness of our lives. PRAVAH 2020 included 8 cultural events, 12 literary events, 24 Non-technical events, 8 Social events and 32 Technical events, so in total there were 84 events that took place during PRAVAH 2020.

# MAJOR ATTRACTIONS OF PRAVAH 2020:

## 1. EXPO-PROJECT DISPLAY COMPETITION

Expo-Project Display Competition, held on 26 February 2020 in the campus, was a unique competition to display all the new technical projects in various fields at one platform. The student teams from different departments of Engineering, MBA and some schools exhibited their unique projects. In the competition, Mr. Aayush Agrawal and Mr Yash Soni of Cambridge Court High School won the first prize for their

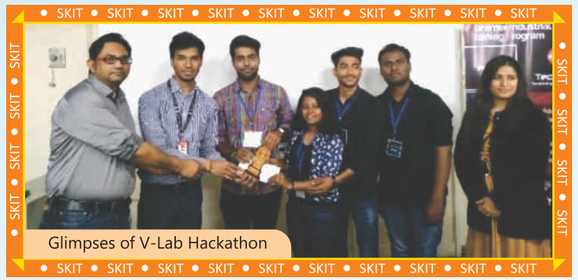


Projects being presented to Dr. S. L. Surana (Director Academics) and Ms.Abba Meel Advisor

project DEBT (Detecting Equipment of Brain Tumour). The second prize was won by Mr. Anveshan Khanna and Mr. Shubham Khichi of Cambridge Court High School for their project URGE (Unique Regeneration Equipment of Water). Mr. Ankit Agarwal and Mr. Abhinandan Jain of Electronics and Communication Engineering department were the faculty coordinators of the competition.

## 2. V-LAB HACKATHON

In a first, V-LAB Hackathon, an inter-college Hackathon, was organized by the Department of Mechanical Engineering during on 27 February 2020 during Pravaah 2020. It was a 12 hour Hackathon which focused on the current latest technologies. Many colleges including Dr. Radhakrishnan Institute of Technology, Compucom Institute of Technology & Management, IILM Academy of Higher Learning Jaipur, Jagannath Gupta Institute of Engineering & Technology, Jaipur Engineering College & Research Centre, Kautilya Institute of Technology & Engineering Maharishi Arvind Institute of



Glimpses of V-Lab Hackathon

Engineering & Technology Jaipur participated in the Hackathon. A total of 8 teams participated in the Hackathon. The technologies used in the Hackathon were Machine Learning, IOT, Deep learning etc. Every team included minimum 2 members and maximum 4 members. The college provided hardware kits to the participating teams which included Arduinos, Ultrasonic sensors, Motor-drivers etc. The winner team was 'Debug Thug', and the runner ups were Hack Elite and ViNi. Prize money of the event for the winning teams was worth Rs. 53000 which included cash prize for winners.

Hackathon was organized in association with Techie Nest Pvt. Ltd. and Techkriti IIT Kanpur and supported by CADD Centre Bapu Nagar. Top four teams were selected for the finale of aIRC'20 (All India Research Championship 2020) at IIT Kanpur on 21st March with prize money worth Rs. 2.2 lakh. All the winners and participants were given prizes and certificates from representatives of Techie Nest, Techkriti, IIT Kanpur. Mr. Ajay Kumar Dhanopia, Associate Professor, Mechanical Department was the faculty coordinator of the programme.

## 3. SKIT HACKATHON

During Pravah –2020, yet another hacakthon – SKIT HACKATHON was organized which aimed at boosting the

Glimpses of SKIT HACKATHON

problem-solving attitude and time management skills in students. A total of 12 teams from different colleges participated in this nonstop 24 hour Hackathon which included Arya Institute of Engineering & Technology, Baldev Ram Mirdha Institute Of Technology (East Campus), Biyani Institute of Science & Management, Dr. Radhakrishnan Institute of Technology, Compucom Institute of Technology & Management, IILM Academy of Higher Learning Jaipur, Campus, Jagannath Gupta Institute of Engineering & Technology, Jaipur Engineering College & Research Centre etc. The event was judged upon various criterion of the presentation of the project including the uniqueness of the project. The winner of this Hackathon was the team NERDPIN of SKIT. The runner up team was RDX from Arya College.

## 4. BHAGIRATH - A SOCIAL EVENT OF SKIT

During Pravah – 2020, a colourful and memorable social event BHAGIRATH was organized on 26 and 27 February 2020 in SKIT,

Welcome of children to the event

Jaipur. Bhagirath is a social event of SKIT for the underprivileged children of the society. In this event, two schools of under privileged children were invited: Sajal Prakhar Madhyamik Vidhyalaya (Free Education) Kacchibasti, Jagatpura and Sakhi Bal Niketan (Free Education), Kacchi Basti, Jaipur. In the event, a welcome ceremony was organized for around 320 children of these schools. Children performed yoga and showed their dance skills. They enjoyed snacks, games on various food counters and play zones. A cake cutting ceremony was also organized for the pleasure of such children. Some students of Sajal Prakhar Madhyamik Vidhyalaya performed a fancy dress show. A magic show was also organized for their amusement and everyone enjoyed the unique magic tricks by magician. Then, all children had lunch in college canteen. This event concluded in the evening with gifts and stationary items to children. The event brought big smiles on the faces of the children and their teachers. The programme was organized by Ms. Kiran Rathi of ECE department.

## 5. AUTO EXPO- ALL ABOUT VEHICLES

Auto Expo – an automobiles exhibition was organized during Pravah – 2020 on 28 February, 2020 in which all the leading automobile brands participated and exhibited their latest launched vehicles. Ms. Shanu Tripathi, Assistant Professor, CSE and Mr. Yogesh Sharma, Assistant Professor, ME were the faculty coordinators of the event.

Participants being felicitated

## 6. RANG - ART EXHIBITION

RANG - Art Gallery, one of the best art display activities in Pravah - 2020, was held on 27 February 2020. This time the

1. Director (Academics) seeing the Paintings
2. Paintings reviewed by Principal

Gallery's collection was more than 300 paintings, craft work, drawings, prints, photographs, sculpture and decorative arts. The exhibition aimed at displaying and promoting the art skills of the participants. All the participants were given certificates.

## KAVYANJALI:

Kavyanjali" was a poetry competition in the annual fest PRAVAH organized on 28 Feb 2020. Mr. GajendraPriyanshu was invited as guest of honour for the auspicious event. Seven participants were there and they presented their own beautiful piece of poetry. Each performance was fabulous and the poetry revolved around women's equality, love, inspiration, beauty of nature, the "Pulwama" attack and soldiers etc. The event left everyone inspired.

Glimpses of Kavyanjali

## CRICKET ATTACK (IPL AUCTION EVENT)

The event was basically a non-technical fun event based on IPL Auction in which all IPL players were represented to the participants and they were given hypothetical money from which they had to BID on the players whom they wished to add in their squad. There were 14 participants in the event. This event had two rounds - Quiz Round and the Auction Round. Cricket Attack was conducted by TOPAZ (E-CELL) on 27 February 2020.

## FACULTY ANTAKSHARI

During Pravaah, on 27 Feb 2020 a faculty antakshri was held in which all faculty members gathered and became a part of the event. Six teams from different departments participated in the event. CS/IT department was the winner and Electrical department was the runner up. The judges of the event were Dr Mukesh Arora (HoD ECE) and Dr Mukesh Gupta (HoD CS).

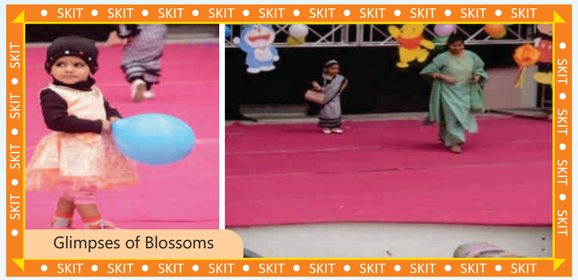
Glimpses from faculty antakshari

## THIRAK

Thirak" was an inter college dance competition, organized during PRAVAH- 2020, on 26 February at SKIT, for all solo, duet and group dancers. As usual it proved to be a honey pot for participants as well as audience. The competition was judged by Mr. Rahul Vyas and Ms. Jasmeen, both of them are professional choreographers, presently working in Mumbai. The competition turned more exciting due to the exciting prizes sponsored by MAX fashion, Nippon Paints, Savex Technology and Zebronics, which resulted in participation from various Indian Institutes and gathering of more than 3000 viewers. In all there were 9 solo, 6 duet and 7 group stage performances. The winners were Pankaj Kumar from Stani Memorial PG College Jaipur in solo category, Rahul and Pankaj from Stani Memorial PG College Jaipur in duet category and Rhonthronz from SKIT Jaipur in group stage category.

Glimpses of Thirak

## BLOSSOMS



Glimpses of Blossoms

Blossoms was basically an event on 28 February 2020 for small children of faculty and staff members, where the children showed their performances and won exciting prizes.

## SUR

'SUR' was an intercollegiate singing solo competition in PRAVAH fest on 26 February 2020. There were 18 participants who performed well and from these participants there were 3 winners. The judges for the event were: Mr. Vipul Ajmera (A Central Govt. Executive Officer in Airports, a Civil Engineer by profession but a musician & artist by passion), Ms. Poonam Kanwar, a gold medallist in Indian classical music from Rajasthan sangeet sansthan, "Loria Dhosi", a Top 7 contestants in Zee TV Saregamapa Li'l Champs and the Runner up of 9X Chak de bachche. The winners were: 1st winner - Ritik Mathur from SKIT Jaipur, Branch- Civil Engineering; 1st Runner up- Mayank Sharma from JECRC College Jaipur, Branch- Computer Science; 2nd Runner up- Yashpal Soni from SKIT Jaipur, Branch-Civil Engineering.

Glipmses of Sur



Core Team Members: The team members of PRAVAH included: Dr. Swati Arora (Convener PRAVAH 2020), Ms. Gloria Joseph (Co-Convener PRAVAH 2020). The organizing committee members were: Dr. Mukesh Arora (Head, Electronics & communication, Department, SKIT Jaipur), Dr. Praveen K. Jain, Mr. Ankush Tandon, Dr. Monika Mathur, Dr. Rukhsar Zafar, Mr. Ankit Agarwal and Ms. Manju Choudhary.

## NSS SPECIAL CAMP HELD AT DANTLI VILLAGE

NSS Unit of SKIT organized a 7 day special camp at village Dantli (Tehsil Sanganer, Jaipur) from 25February to 2March, 2020. The village has been adopted by SKIT as a part of fulfilling its social responsibilities. In all 50 students participated in the camp with great zeal. The objective of this camp was to initiate rapport building, developing long term institutional relationship with the community members and contributing to the upliftment of the people. Different social activities were planned and executed at the village during this camp with the cooperation of the villagers.

Glimpses of the Camp

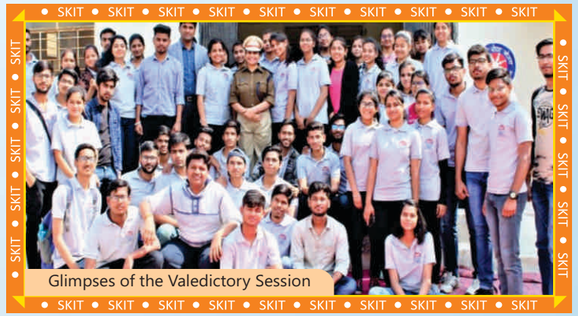
All the volunteers cleaned and washed the Gram Panchayat Bhawan thoroughly. Then the students interacted with the villagers to familiarize themselves with the milieu. An intensive activity of Yoga, under the guidance of a special Yoga trainer, was carried out every day. It was followed by a meeting with villagers and Panchayat representatives. People showed good response by providing the required materials, water and washroom facilities. Morning assembly with yoga exercises and motivational songs by the students filled the atmosphere with joy and new energy. This was followed by painting Gram Panchayat Bhawan and cleaning various areas of the village. Later, during the rally on Nasha Mukti, from the Bus stand to the entire village, the participants raised slogans and carried placards with messages to aware people about harmful effects of drugs. The participants were later familiarized about the process of the E-Mitra Machine.

Morning assembly with yoga exercises and motivational songs were followed by a visit to SMS Hospital, for interaction with the volunteers regarding health issues. In the Health Awareness Programme, Dr. Anurag Sharma, (NSS Program Officer) welcomed the guests and presented mementoes to Dr. Neeraj, Mr. Anil Sharma, SarpanchDantli, and Shri Ram LalMeena, SarpanchSiroli. Dr. Neeraj briefed the participants about the blood cells. He focused on the function and importance of blood in body and threw light on Corona Virus. The session was interesting and informative.

Next day, a Women Safety Camp, supported by Jaipur Police Commissionerate was held at the village. The experts taught the participants about self-defense. Interestingly, the camp was attended by all the girls.The participants were given key-chains which could be used as a safety tool. Then Ms. Sunita Meena, (Additional DCP and Nodal Officer of Nirbhaya Squad) explained various techniques of self-defense and demonstrated how to use the safety-tool. All the participants were made to practice the techniques with other participants.Girl volunteers created awareness for health and hygiene among village women and educated them about the proper usage and disposal of sanitary pads.

Additional DCP Ms. Sunita Meena being felicitated

A valedictory program was conducted on the last day in which all the villagers were invited. Villagers and Panchayat representatives thanked the NSS Camp participants for their commendable work done during the last 7 days. Chief Guest Prof. (Dr.) B. M. Sharma, (Ex. Chairman Rajasthan Public Commission), Guest of Honour Mr. Anil Sharma (Sarpanch, DantliPanchayat), MrBabuLal Sharma (Deputy Sarpanch, DantliPanchayat) and Prof. S. L. Surana Director (Academics) graced the occasion and distributed certificates to the participants. The entire camp activities were covered and lauded by the media.



Glimpses of the Valedictory Session

# NEWS FLASH

## AAGHAZ - ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS

The institute conducted its 19th Orientation Programme, 'AAGHAZ' for the first year students on August 1, 2019. The ceremony started with the lighting of the lamp by the chief Guest Shri K. K. Pathak, Commissioner, Department of Industries, Rajasthan, Mr. Surja Ram Meel, Chairman, Mr. Jaipal Meel, Director who encouraged the students to take their zeal to a new level of development for serving humanity. The ceremony ended with the most awaited session, the cultural programme, comprising dances like Bhangra and Garba and a soulful music performance by the college band which left everyone spellbound. All students left college excited, waiting for the next day to come, so as to start their new life with full enthusiasm.

Glimpses Of Orientation Programme

## INDUCTION PROGRAMME FOR FIRST YEAR STUDENTS

A fifteen day Induction Programme was organized for the first year students which aimed at inculcating a sense of responsibility and open-mindedness to new learning among the budding engineers. During the programme, many guest lectures by eminent personalities were held for the new comers. The speakers including Mr. Kapil Dixit, Career Counsellor from TIME, International motivational speaker Mr. Hitesh Ramchandani (from Better than Normal), IPS Officers Ms Ilma Afroz, Mr. Roshan Kumar motivated students for hard work; Dr. Rajiv Agrawal & Dr. Apeksha Sharma from Rungta Hospital provided medical guidance; Mr. Dharmesh from Big Gyan Foundation emphasized on spirituality; Dr. Sangeeta Pranvendra, Bureau Chief, DNA and Kartik Balwan, Advisor, First India discussed the

Glimpses of Samvaad

effects of media on society Classes of basic sciences, fundamentals of computers, human values were organized so that students could come out of their lacunas and become familiar with the new principles. The first three days of the induction were marked with a visit to the various departments, club-orientation, and sessions by chief counselor, chief librarian, chief proctor and head of training and placement cell. The program also included physical exercises like Yoga and Zumba which made the students realize the importance of their physical fitness. Some other activities like dance, music and movie screening were also carried out for their entertainment and infotainment.

The students had all their queries answered regarding the upcoming challenges in the industry during their interaction with the alumni of SKIT in SAMWAAD where the alumni of the college shared their experiences and success stories with them. This interactive session was successful in achieving its objective to make the students acquainted with diverse issues. Planning for studies, soft skills, aptitude, professional attitude, market and industry needs, utilization of time, self-study and self-preparation, career guidance and networking etc. were enthusiastically addressed.

## INDEPENDENCE DAY CELEBRATION

As per the tradition of our institute to host the celebrations of the Independence Day, the members of management including Director, Shri Jaipal Meel, Registrar Ms. Rachana Meel, faculty members and students celebrated the Independence Day on 15 August 2019 in the central lawn. The tricolor was hoisted by both the Director and the Registrar and followed by the national anthem. The celebration witnessed various cultural activities including patriotic songs and poems, dance, and speeches by the dignitaries. The function concluded with the distribution of sweets.

## MANIPURI DANCE PERRFORMANCE BY BIMBAVATI DEVI

SPIC MACAY, the Society for the Promotion of Indian Classical Music and Culture Amongst Youth is a voluntary youth movement which promotes intangible aspects of Indian cultural heritage by promoting Indian classical music, classical dance, folk music, yoga, meditation, crafts and other aspects of Indian culture. Under the ageis of SPIC MACAY, SKIT SPICMACAY heritage club conducted a Manipuri Dance performance by Bimbavati Devi as the lead dancer accompanied by Ivana Sarkar, Pramila Devi, the vocalist and Tomba Singh on mridang held on 28 August, 2019 in Gyan Mandir auditorium. At the outset, Bimbavati Devi unraveled the cultural backdrop of Manipuri dance and its importance. The audience was awestruck by the jugalbandi of Bimbavati and Ivana Sarkar. The popular compositions of Manipuri Gharana encompassing the elements of Krishna Raslila and Krishna Balrama sequences enlivened the day. It was truly an enriching and majestic experience for all.

## TREE PLANTATION DRIVE AT SKIT

With an aim to raise a helping hand to save the environment, a tree plantation drive was held at SKIT by NSS club and Eco

Plantation Drive by Eco Club - Glimpses

Friends club on August 23, 2019. The event made a record of planting 100 saplings in just 15 seconds. The event was marked with the graceful presence of Shri Jaipal Meel, Director SKIT,Prof. S L Surana (Director Academics) Mrs. Rachna Meel, Registrar SKIT, Prof. M L Bhargava, Mrs. Abba Meel, Advisor SKIT and Prof. Archana Saxena. Faculty members also panted trees and resolved to save environment.

## FRESHER'S PARTY- (NAVANKUR)

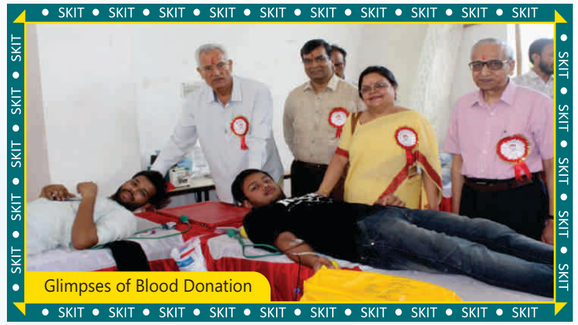
A Freshers' Party "NAVANKUR 2019" was organized to welcome the new members of the SKIT family on September 15, 2019. Jovial smiles, youthful enthusiasm and high spirits marked the welcome party at Gyan Mandir auditorium. Khushank Sharma (ME) and Shriya Sharma (EE) bagged the prestigious tags of Mr. Fresher and Ms. Fresher 2019, with Shivam Tank (ME) and Rishika Arora (IT) being runners-up. Apart from this, Pravar Sharma (EE) got the best talent award, and Rishi Sharma and Pooja Kumari Meena were titled as best dressed male and female. The event concluded with a dance party followed by lunch.

## BLOOD DONATION CAMP ORGANIZED

Proud Blood Donaturs with C.M. Shree Ashok Gahlot

SKIT has been organizing blood donation camps every year since 2000 from its inception. Red Cross Club of SKIT conducted a Voluntary Blood Donation camp on the occasion of 150th birthday Ceremony of Mahatma Gandhi in the campus under National Service Scheme (NSS) in association with HDFC Bank and the Lion's Club Rajdhani Jaipur on 14.09.2019 from 8:00 AM to 3:00 PM. The volunteers participated enthusiastically and donated a total of 772 units of blood in the camp.

The Camp was inaugurated by Dr. Suresh Kumar Gupta, Chairman Neurosciences RBH, Jaipur and Dr. Sunita Bundas, Head, Blood Bank SMS, Jaipur, Shri Raja Ram Meel Chief Patron SKIT, Chairman Shri Surja Ram Meel, Director Shri Jaipal Meel, Director (Academics) Dr. S.L. Surana, Principal Dr. Ramesh Pachar and Advisor Mrs Abbha Meel.


Glimpses of Blood Donation

The Honoured Guests and Chief Patron of SKIT motivated the donors and highlighted the value of regular blood donations. Principal Dr. Ramesh Kumar Pachar threw light on the history of blood donation camps at SKIT and congratulated everyone for being a part of this noble cause. NSS Program Officer Dr. Anurag Sharma organized the camp with help of Mr Kailash Soni and team. Many blood banks of reputed hospitals like Bhagwan Mahaveer Cancer Hospital, SMS, SDMH, Swasthaya Kalyan Hospital, Jaipuriya Hospital, Trauma Hospital, Pushpa Devi Blood Bank, Jaipur Blood Bank (Rungta Hospital) actively rendered their services in the drive.

## FIVE DAY NATIONAL TRAINING PROGRAMME ON SOFT SKILLS

As a part of the continuous initiative to enhance corporate communication skills encompassing the salient features of Soft Skills like- Body Language, Corporate Dressing, Professional Grooming, Leadership Skills, Career Planning and Placements, Time & Stress Management ingrained into it, the Department of English organized a 5-day National Short Term Training Programme on Soft Skills for Engineers from 30 September to 4 October, 2019. It was organized under the able guidance of Prof S.L. Surana, Director Academics and Ms. Abba Meel, Advisor, SKIT. Approximately 500 hundred students of CE and ME participated in the programme. Certificates were provided to all the students who regularly attended all the sessions. The inaugural flagged off with the session on Creative Thinking hosted by Mr. Sandeep Sethi, Creative Head, Poddar Group of

Glimpses of Soft Skills Training Programme

Institutions, Mumbai. On Day 2, Mr. Vineet Jain, Head Corporate Communications, talked about career planning after graduation. Mr. Harminder Singh, Joint Director, Career Development Cell, talked about the leadership skills required for professionals.

The next day Mr. Kartik Bajoria, writer, moderator, critic and soft skills trainer talked about "Mastering the Art of Public Speaking". He shared some strategies for managing speech on the stage with effective body language. On Day 4, Ms Abba Meel, Advisor, SKIT and Mr. Kapil Dixit focussed on body language, assertiveness and interview skills respectively. On the last day Ms. Neha Gupta, President FORTI Women Wing and Director Manglam Group, unfolded the numerous core competencies of soft skills with relevant instances. Dr. Neha Purohit and Dr. Nidhi Sharma were the coordinators of the workshop.

## FELICITATION CEREMONY FOR BLOOD DONATION CAMP ORGANIZERS BY SAWAI MANSINGH HOSPITAL JAIPUR

Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur was invited by SMS Hospital for felicitation

Receiving Felicitation Certificate for Blood Donation

on Saturday, 30 November, 2019 on the establishment day of Trauma Blood Bank. The program commenced with auspicious lighting of the lamp by the Chief Guest Dr. Raghu Sharma (Medical and Health Minister, Government of Rajasthan), Honored Guests Dr. Subhash Garg (Technical Education Minister, Government of Rajasthan), Shri. Rafiq Khan (MLA of Adarsh Nagar Jaipur Assembly), Shri Hakam Ali Khan (MLA Fatehpur Assembly), Shri Suresh Modi (MLA Neemkathana Assembly), Dr. Sunita Bundas (Sr. Professor and Head of Blood Bank SMS Hospital), Dr. Sudhir Bhandari (Principal SMS Medical College).

SKIT was felicitated with the certificate during this program for the successful organization of Blood Donation Camp in its campus. The certificate was received by Director (Academics) Prof. (Dr.) S. L. Surana, Blood Donation Camp Coordinator Dr. Anurag Sharma and Chief Coordinator ECA Mr. Kailash Soni.

## STREET DANCE EVENT ORGANIZED

SKIT Dance Club organized a dance competition "STREET DANCE" on October 09, 2019. The judges for the same were

Street Dance Performance

Mrs. Nikhar Bhatnagar and Mrs. Aakriti Sharma. It comprised solo performance followed by battle rounds. A series of breathtaking and energetic performances by the participants stole the show. Six students were filtered after the solo performance round on the basis of their moves and level of confidence. Yogesh Kandara (ME) emerged as the winner.



## APPOINTMENT AS A DISTRICT OFFICER BY TOASTMASTERS INTERNATIONAL

Dr. Neha Purohit, Head, Department of English, has been appointed as a district officer by Toastmasters International. She has been appointed as an Area Director for the term July 2019-June 2020. Dr. Purohit will be responsible for the growth and progress of SKIT Toastmasters (Institutional Club), DBOI Toastmasters (Corporate Club), Titans Toastmasters (Community Club) and IISU Toastmasters (Institutional Club).

## SESSION ON DE-ADDICTION BY DR. RAMESH GANDHI

Glimpses of Session on De-addiction

On the occasion of the Gandhi Jayanti, a motivational session on De-Addiction was organized by SKIT. The session aimed at introducing the demerits of drugs, promoting ways to avoid drugs, tobacco and smoking. The session started with lamp lighting by Shri. Surja Ram Meel, Chairman, SKIT, Dr. Ramesh Gandhi, President of Gandhi Foundation, Dr. Neha Purohit, Dr. Rohit Mukharjee and Mr. Kailash Soni. In the session, Mr. Gandhi informed that 3600 people die due to smoke and cigarette every day in the world. A series of descriptive, brief and realistic films on NASHA MUKTI were screened by the Gandhi foundation members. He spread a new idea JEET (Joint Efforts to Eliminate Tobacco) among the students of the college students. The session left the students motivated and determined and they pledged not to use tobacco, smoking and drugs in their life.

## MOTIVATIONAL TALK ON NATIONAL YOUTH DAY

A motivational talk on the National Youth Day was organized by the ECA Club on 08 January, 2020 in the campus. The chief guest Mr. S.S. Bissa (Ex. IAS), presently Faculty at Rajasthan State Institute of Public Administration Officers Training School, Jaipur, focused his address on the youth icon Swami Vivekanand. He said that Swami Vivekananda was more than just a spiritual mind; he was a prolific thinker, a great orator and a passionate patriot. He carried the philosophy of his guru, Ramakrishna Paramhansa, forward to a new paradigm. He

SKITians with Mr. Bissa

emphasized the aim of education to be life-building, man-making, and character-building. An education which develops character, mental powers and intelligence gives self-confidence and self-reliance among the individuals. The students got some insights during question & answer session with Mr Bissa. The event concluded with a vote of thanks and the National Anthem.

## HEALTH TALK ON SPORTS INJURIES AND MEDICINES

A Health Talk on the Sports Injuries and Medicines was organized by the ECA Club on October 9, 2019 in the campus. The Chief Guest of the lecture was Dr. Vikram Sharma, Fortis Escort Hospital, Jaipur. The session aimed at introducing the causes of different types of injuries during sports, their symptoms, promoting care and precautions. A team from Fortis Hospital, Jaipur also joined Dr. Vikram Sharma in spreading awareness regarding sports injuries and medicines.

A series of descriptive, brief and realistic films on knee ligament damage, sports injury management and performance enhancement were screened during the talk. The talk concluded with the knowledge of basic precautions like using ice pack, compression and immobilization during sports injuries. Mr. Ajit, faculty sports coordinator, proposed the vote of thanks.

## TECHNICAL CLASSES ON PYTHON & C LANGUAGE

Technical classes on Python and C Language are organized by the Science & Technology Club every Monday, Wednesday and Friday. More than 50 students have actively participated in these classes and are supervised by 3rd year students (Mihir Jain, Pournima, Siddhesh Doshi). These classes mainly focus on the basics of theoretical as well as practical approaches of the languages.

## WORKSHOP ON CLOUD AND NETWORK SECURITY

A workshop on 'Cloud Computing and Its Components' was organized on 11 September, 2019 by the Science & Technology

Glimpses of Workshop on Cloud & Network Security

Club. Ms. Ruchika Jethaliy, HR Manager, Zeetron Network Pvt. Limited, threw light on the cloud & network security in her lecture. It is a pioneer initiative that delivers career building and IT industry solutions to the aspirants. More than 150 students actively participated in the workshop.

## TECHNICAL QUIZ ORGANIZED

A technical quiz on basics of technical aptitude, mental ability and general awareness was conducted by Science & Technology Club on 18 September, 2019 in which around 35 students appeared in the online test. The winner of this event was Mr. Himanshu Saini.

## POSTER AND QUIZ COMPETITION ORGANISED

Renewable Energy Club organized a quiz competition on 'Renewable Energy Technologies and Current Issues' on 17 October, 2019, and a Poster Competition on 'Renewable Energy: Its Present and Future Technologies' on 7th November, 2019. A large number of students from various branches participated in the competition.

## BEYOND THE BOUNDARIES: REINVENTING HORIZONS

The worldwide pandemic Covid-19 led to many new approaches, methods and ways for accomplishing tasks, especially when it didn't allow people to assemble for the same. As they say, necessity is the mother of invention, SKIT took the lead to complete its academic activities, and the result was a five day webinar on 'Beyond the Boundaries: Reinventing Horizons'. Further, it led to the smart idea of holding a webinar series that can accelerate the idea of learning from home. The layout of this series was planned so diligently that we could cover up all the important spheres of life, experiences and learning.

**Day 1** was dedicated to the theme of 'Education 4.0' and the audience was honored to listen to the deliberations by Prof Anil Sahasrabudhe, Chairman, AICTE and Prof I K Bhat, Senior Professor and Vice Chancellor, Manav Rachna University. The experts emphasized on the need of bringing revolutions in the teaching methods. Post- Covid situation will focus on new training methods rather than traditional teaching practices.

**Day 2** witnessed the discussion on 'Industry 4.0'. The panelists were Mr. Avneet Gupta (Associate Director, IBM India), Mr. Sachin Gaur (EU India Cooperation) and our alumnus Mr. Gaurav Juneja (Capgemini, USA) who engrossed the audience about the need of making themselves ready to bring positive transformations for becoming industry ready.

**Day 3** held an amazing session on 'Fly High: Innovation and Startups'. Eminent personalities like Dr. Ramanan Ramanathan (Mission Director, Atal Innovation Mission, Niti Aayog) Dr. Mohit Gambhir (Innovation Director, MIC, MHRD), and our alumnus Mr. Arun Goyal (Founder, Octal IT Solutions) joined us and enlightened us on the urgent need of incorporating innovation in all walks of life.

**Day 4** held discussion on a related topic –'The Power of Collaboration: Research, Technology and Business'. Dr. Sandeep Verma, (Secretary, SERB), Mr. Sridhar (CEO, Blaze Automotive) and our alumnus Mr. Ganesh Sharma (Director, Trevonix, UK) expressed their valuable views on about the strengths of collaboration.

**On Day 5** of the series, Sister ShivaniJi guided the audience about a better way of living. The webinar had a reach up to more than 50,000 Facebook users and 6500 Twitter users. Their response was really overwhelming as the webinar was attended by more than 1400 participants on WebEx, 2800 participants on YouTube, 3500 participants of Facebook and 400 participants on Twitter during these 5 days through live transmissions and online meetings. The viewers attended the webinar from 30 countries like the USA, Australia, Hungary, Malaysia, Bahamas, and Indonesia to name a few. This proved that learning is not limited by any boundaries or limitations. Over 20,000 Certificates were downloaded by the participants throughout the globe. The prominent and main stream media houses like the Dainik Bhaskar, Rajasthan Patrika, Dainik Jagran, along with social media covered the entire webinar.

No work is possible without the smart work and dedication of a team. In this case our team consisted of members from each department and every single member had contributed immensely to the success of this program.



Through this small effort we not only tried to touch the individual socially but also transform their lives. SKIT would be coming up with learning opportunities like this in the future as well.

## STUDENTS EXHIBIT TALENT IN FOOTLOOSE

The Dance Club of SKIT organized an intra-college dance competition "FOOTLOOSE" on 22 January, 2020 in the campus. The competition comprised of three categories - solo, duet and group. The students of the institute enthusiastically showcased their talents in all three different categories. The event attracted the audience in a large number.

The attractive costumes, fluidic dance movements and fascinating props made it tough to decide the winners but the most deserving ones were declared as winners by the honorable

Glimpses of Soft Skills Training Programme

judge Mr. Prem Haldunia - Director, Buskers Academy, Jaipur. In Solo, Mr. Aakash Sharma and Ms. Bhoomika Dubey bagged I and II Prizes respectively; in Duet performance, Mr. Piyush & Mr. Manish were given I prize; and, in Group Dance, 'Bhangra Freaks' and 'AUC' were awarded with the I Prize. The programme was coordinated by Ms. Nikhar Bhatnagar.

Kanika Goyal ( Final Year- CS)

# ACTIVITIES OF ECA CELL

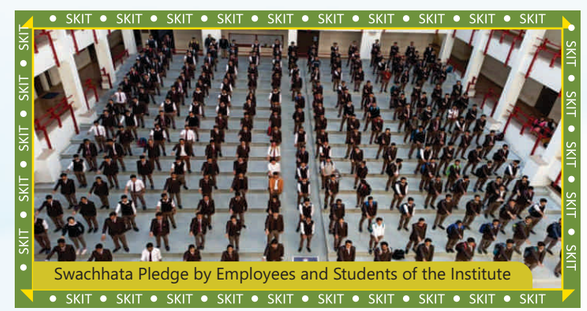
## MOTIVATIONAL TALK BY MR S.S. BISSA HELD AT SKIT

A motivational talk by Honoured Guest Mr S. S. Bissa, IAS (Retd.) was delivered on the youth icon Swami Vivekananda on the occasion of the National Youth Dayon 8 January, 2020 in the campus. MrBissa said that Swami Vivekananda was a Hindu monk and one of the most celebrated spiritual leaders of India. He was more than just a spiritual mind; he was a prolific thinker, great orator and passionate patriot. He carried on the free-thinking philosophy of his guru, Ramakrishna Paramhansa, forward to a new paradigm. He emphasized the aim of education being life-building, man-making character-building. He said that knowledge without culture was only superficial. He stressed on delivering education for democracy and national development. A question-answer session was also conducted. The event concluded with a vote of thanks by Mr. Kailash Soni, Chief Coordinator, ECA.

Mr. Bissa delivering a motivational talk

## (SWACHHATA PAKHWADA) ELEBRATED AT SKIT

The ECA Cell celebrated the SwachhataPakhwada from 16 to 31 January, 2020 in SKIT campus. The Pakhwadaprogramme was



Swachhata Pledge by Employees and Students of the Institute

formally initiated by Dr. Ramesh Kumar Pachhar, (Principal) on 16 January, 2020 at the Institute auditorium with the oath of cleanliness by the employees of the institute. An appeal was made to keep the office and colony premises clean to avoid incidences of diseases. The committee constituted was given a responsibility to start a campaign for cleanliness across all the places in institute such as class rooms, offices, labs, mess, hostel, etc. It was also felt necessary to start the awareness campaign for villages adopted by the institute or in vicinity of the institute. Mr. KailashSoni, ECA Coordinator, SKIT led the Swachchta Pakhwada along with student volunteers.

During the Pakhwada, various activities were held on different days like the campus cleanliness drive, hostel cleanliness drive, plantation, presentations and group discussions on waste recycling, energy conservation, poster making, slogan writing and speech competitions on Swachhata and water conservation, competition on 'best out of waste', water conservation drive, village activities at Dantali Village, NukkadNatak at Albert Hall and Gaurav Tower etc.

A plantation drive was conducted on 17 January, 2020 under the guidance of ECA chief coordinator KailashSoni. Late Prof. N K Banthiya, Head (PAQIC), Dr. Mukesh Kumar Gupta, Head (CSE) and other staff members graced this event and planted saplings across the SKIT campus. In the next days, presentations and group discussions were conducted on the topics like, Waste Recycling and Energy Conservation. Students participated enthusiastically in the discussions, and slogans were also delivered by them showing their awareness towards environment. The Swachhata Abhiyaan was planned at various place of the institute like entry gate of water treatment plant, bus stand, temple premises and security section. All the teaching and non-teaching staff members and students of the institute helped in cleaning the premises.

Glimpses of the Various Activities during the SwachchtaPakhawada

A Motivational Talk on Swachhata by Mr. Vishnu Lamba (The Tree Man), Brand Ambassador of "Green Army", Maharashtra Government, was delivered on 23January, 2020. Mr. Lamba is also a recipient of Rajiv Gandhi Award, Green Idol Award, Dr. A.P.J. Abdul Kalam Nation building, etc. A Hostel Cleanliness Drivewas organized in hostel rooms by students on 25 January, 2020. After the college hours, all students helped in cleaning the rooms, common area, waiting area, main gate of hostel, etc. Waste and useless items found in the area were removed. All the areas were completely cleaned. The students felt happy in contributing to the drive and promised to keep their rooms neat and clean regularly. Similarly, a competition on "Best out of Waste" was conducted on 27 January, 2020 in the campus to increase the culture of three Rs 'Reuse', 'Reduce' and 'Recycle'. The students brought their models/posters on their idea for bringing out best out of waste.

Glimpses of the Various Activities during the SwachchtaPakhawada

ECA Club Members took the vow and accepted the challenge to make the people, understand the importance of water conservation. For this purpose, the student visited the water treatment plant of SKIT campus. They were told about different methods of water conservation with special reference to water reuse and water purification. A quiz contest was also conducted related to different water issues in the area. The quiz contained the question relating to methods of purification of water.

Glimpses of the Various Activities during the Swachchta Pakhawada



An awareness programme in the village Dantli, adopted by SKIT, was conducted on 29 January, 2020 in which a meeting was organized at the 'VishramSthali'and the importance of Swachhatain day-to-day life was explained by the Sarapanch, Doctors and other volunteers. A rally was also arranged from the PanchayatBhawan with Swachhata Slogans to make all the villagers aware of cleanliness and the ban of single use plastic. A 'nukkadnatak', songs, poems and banner were also presented by the students.

Glimpses of the Various Activities at Dantli Village during the SwachchtaPakhawada

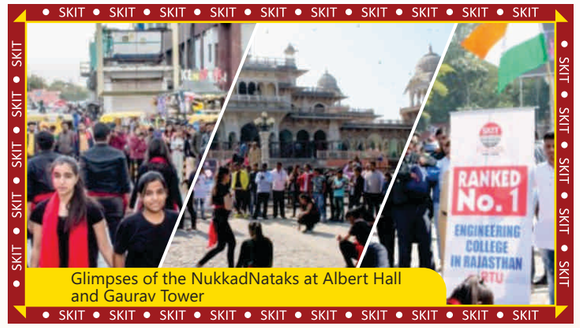
The event came to an end with the Prize and Certificate Distribution Ceremony to the volunteers and students. In the inaugural ceremony, the Chief Guest Mr. HarshitVerma, Deupty Commissioner of Jaipur Nagar Nigam, Dr. S.L. Surana (Director Academics), Dr. Ramesh Kumar Pachar (Principal), Dr. Rohit Mukharjee (in charge B. Tech. first year) distributed certificates of various categories were distributed to all the winners of different activities, participants, volunteers, coordinators. The entire Swachchta Pakhwada programme was conducted by Mr. Kailash Soni, Chief Coordinator, ECA Cell of SKIT.

Glimpses of the Prize Distribution Ceremony during the SwachchtaPakhawada

Khushboo Soni

## NUKKAD NATAKS ON ENVIRONMENT CONSERVATION HELD AT ALBERT HALL AND GAURAV TOWER

Two Nukkad Nataks were organized at Albert Hall on 26 January, 2020 and Gaurav Tower on 30 January, 2020 to spread the awareness about Swachhata and Environment Conservation under the guidance of Mr. Kailash Soni and Dr. Anurag Sharma. The objectives of the activities were achieved as the participants were successful in making the audience aware of the cleanliness and environment conservation. The young actors were lauded for leaving an indelible mark on the minds of the audience through their performance. The entire event was a huge success and it portrayed the words 'environment conservation and cleanliness of land go in hand towards the building of an ideal nation' beautifully.



Glimpses of the NukkadNataks at Albert Hall and Gaurav Tower

## (CORONA HAREGA INDIA JEETEGA) BASEDPOSTER MAKING AND POETRY COMPETITION HELD

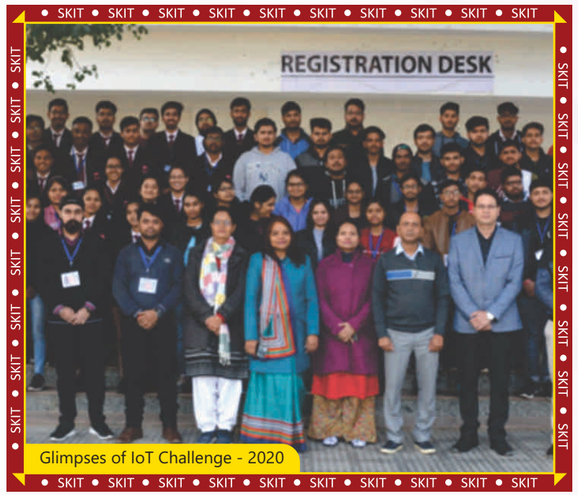
An online (Instagram) awareness program was conducted on 28 April, 2020 by the ECA cell of the SKIT during the lockdown under the guidance of Mr. Kailash Soni. The objectives of the

A still from the event

event were to motivate the people to fight against corona, to display damages and death due to COVID-19, to promote safety measures suggested by experts, to nurture character traits like team work and leadership and o serve as a positive role model in Covid-19 pandemic time. The competition ended with the explaining safety measures to fight against the virus and enthusiastic students to save their lives as well as their surroundings.

## IOT CHALLENGE -2020 (TWO DAYS WORKSHOP & PROJECT COMPETITION)

The Science & Technology Club of SKIT hosted a two day workshop on Internet of Things (IoT) on 11-12 January 2020. The event was inaugurated by Mr. Jaipal Meel, Director, Mrs. Rachna Meel, Registrar and Dr. S.L. Surana, Director (Academics). The workshop was conducted by 'I3indya Technologies' in collaboration with IIT Bombay AAKAR-2020. Dr. Sharda Soni, Mr. Vinay Marwal, Mr. Naveen Jain coordinated the IoT workshop. The workshop featured theory and practical sessions on microcontroller programming, sensors, serial parallel communications, and internet accessible automation. Total 14 teams including 57 Students participated in the workshop and Project Competition. Students from different part of country like New Delhi, Gurugram, Noida, Pune, Ranchi, Nagpur, BITS Mesra, participated enthusiastically. Tanuj Sharma, Priyanshu Lakhwani, Piyush Singhal and A.Gaotham Kumar from BIT Mesra, Jaipur secured the first position, Ritesh Sharma, Yash Gupta, Rohit Verma, Rajat Malik and Rahul Marlani of SKIT, secured the second position, Vinay Vyas, Swapnil Agrawal, Yash Choudhary from SKIT, Jaipur and Omang Jain from MAIT, Delhi Shared the third position while Sneha Sharma, Tanya Khandelwal, Tanmay Sharma and Shreyansh Garg from SKIT were on the fourth position. Dr. Sharda Soni, Mr. Vinay Marwal, Mr. Naveen Jain coordinated IoT workshop.



Glimpses of IoT Challenge - 2020

# DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

## INTERNATIONAL CONFERENCE ON COMMUNICATION AND INTELLIGENT SYSTEMS (ICCIS-2019) ORGANIZED

An International Conference on Communication and Intelligent Systems (ICCIS-2019) was jointly organized by Department of Computer Science & Engineering, SKIT and Rajasthan Technical University, Kota, from 9 to 10 November 2019, sponsored by TEQIP-III RTU (ATU) project and technically supported by Springer.

A total of 200 research papers were submitted through Easy Chair, out of which only 46 papers were finally selected and presented during the two-day span of the conference. All accepted and presented papers will be submitted for publication to Springer Book Series "Lecture Notes in Networks and Systems" (ISSN Number 2367-3370). The books of this series are

Glimpses of the International Conference

indexed in: SCOPUS, ISI Proceedings, Google Scholar and Springer link.

The conference witnessed presence of various eminent speakers and dignitaries. Prof. R.A Gupta Hon'ble Vice Chancellor, Rajasthan Technical University, Kota was the Chief Guest and the other guests were Prof M.C. Govil, Director, NIT, Sikkim; Dr. Dhirendra Mathur, TEQIP- III RTU (ATU) Coordinator; Dr. Jagdish Chand Bansal, Associate Professor, South Asian University, New Delhi; Dr. Raman Balasubramanian, Professor, IIT Roorkee and Prof. Nik Mohd Asri Bin Nik Long, Professor, University Putra, Malaysia.

Shri Surja Ram Meel, Chairman SKIT, delivered the welcome speech and Prof. Jagdish Chand Bansal, General Chair, threw light on the theme of the conference. A motivational talk was delivered by Prof. M. C. Govil. Various plenary talks were also delivered by subject experts like Dr. Raman Balasubramanian, Professor, IIT Roorkee, on "Machine Vision and Its Applications", Dr. Gustava Sanchez on "Recent Development in Control System Performance Assessment", Dr. Nik Mohd Asri Bin Nik Long on "Multiple Cracks Problems in Bonded Dissimilar Materials". Other talks included "Nature Inspired Algorithms" by Dr. Jagdish Chand Bansal, "Cyber Crimes and Forensics" by Dr. Lokesh Chauhan, and "Artificial Electric Field Algorithm and its Application" by Dr. Anupam Yadav, NIT, Jalandhar. The vote of thanks was proposed by Dr. Mukesh Kumar Gupta, Convener ICCIS-19.

## FDP ORGANIZED ON INTERNET OF THINGS: EDUCATION CANVAS

An AICTE sponsored two week Faculty Development Programme (FDP) on "Internet of Things: Education Canvas" was organized by the department of Information Technology from 9 to 20 November, 2019. The programme had the primary objective to provide the state of the art trends and advancements of IoT in Education Canvas to the faculty members of different organizations. Total 78 participants attended the FDP from various parts of the country. A pool of experts from IBM India Pvt. Ltd., Infosys Ltd. Einfochips, LNMIIT, TCS, Jainson Corp, IIIT, Kota delivered lectures, and hands-on-practice sessions through various case studies were conducted. The topics covered during FDP were-- Latest Sensors and Actuators, MQTT Protocol, Node Red over IBM Bluemix, IoT security etc. The program was conducted by Prof. Anil Chaudhary and assisted by Dr. Pankaj Dadheech & Mr. Ankit Kumar.

## INDUSTRIAL TOUR

With a view to provide an exposure to students about practical working environment, an industry tour was arranged and coordinated by Dr. S.R. Dogiwal, Ms. Anjana Sangwan and Mr. Naveen Jain. A total of 172 students (III year CS/IT) visited different companies like Inter Solar, Tc Terrytex Ltd., Infosys, Havells etc. in 2019-20. The tour was successfully completed under the guidance of Prof. Mukesh Gupta (HOD, CS) and Prof. Anil Chaudhary (HOD, IT).

Glimpses of the Tour

## WORKSHOP ON 'R' CONDUCTED

The Computer Science department of SKIT and IIT Bombay jointly organized a National Workshop on 'R' for the teachers on 17 December, 2019 under the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)', MHRD, Govt. of India conducted by The Teaching Learning Centre (ICT), supported by FOSSEE & Spoken Tutorials. This workshop was addressed by Prof. Kannan

Workshop on 'R'

Moudgalya, Principal Investigator and Prof. Radhendushka, Co-Principal Investigator, FOSSEE project, IIT Bombay.

Prof. Kannan informed that R is a very versatile and easy-to-learn programming language with an extensive library of open tools allowing users to solve a variety of problems. R has a rich ecosystem of libraries and tools for scientific computing and data science. R can interface relatively easily with other well-established languages like FORTRAN/C and C++. Also, R has libraries to build user interfaces, web applications, interface to hardware, and a whole host of other domains which makes R an excellent language to learn opening up a world of possibilities to users who desire to use their computers more effectively.

Prof. Radhendushka and Prof. Kannan, emphasizing the importance of R workshop, explained the execution process of R console and its various uses in the field of science and technology. The workshop was coordinated by Ms. Priyanka Sharma and Ms. Priyanka Bhardwaj under the supervision of SKIT Remote Centre Coordinator Dr. Mukesh Kumar Gupta, Head, CSE Dept.

## WORKSHOP ON LINUX FOR TEACHERS

The Computer Science department of SKIT and IIT Bombay jointly organized a national workshop on 'Linux' for Teachers on 23 August, 2019 under the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)', MHRD, Govt. of India and conducted by The Teaching Learning Centre (ICT), supported by FOSSEE & Spoken Tutorials. The workshop was addressed by Prof. Kannan Moudgalya and Prof. Kumar Appaiah, IIT Bombay. Prof. Kumar Appaiah apprised that Linux is one of the most popular and open source Operating Systems used today. It refers to the family of Unix-like computer

Glimpses of Workshop

operating systems that uses the Linux kernel. Linux kernel is released under the GNU General Public License and hence can be freely created, modified and redistributed. The real power of Linux can be tapped by using its wide and powerful storehouse of commands that can be typed in the terminal. Linux is now used in all major software projects undertaken by the Indian Government like GST, Aadhar, and NEFT etc. Prof. Kannan also emphasized the importance of Linux in the field of science and technology. The workshop was coordinated by Mr. Kailash Soni under the supervision of SKIT remote centre coordinator Dr. Mukesh Kumar Gupta.

## WORKSHOP ON PYTHON FOR TEACHERS

The Computer Science department of SKIT and IIT Bombay jointly organized a National Workshop on 'Python' for Teachers on 22 June, 2019 under the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)', MHRD, Govt. of India conducted by The Teaching Learning Centre (ICT), supported by FOSSEE & Spoken Tutorials. This workshop was addressed by Prof. Kannan Moudgalya, Principal Investigator and Prof. Prabhu Ramchandran, Co-Principal Investigator, FOSSEE project, IIT Bombay. Prof. Prabhu Ramchandran told that Python is a very versatile and easy-to-learn programming language with an extensive library of open tools allowing users to solve a variety of problems. It has a rich ecosystem of libraries and tools for scientific computing and data science. Also, Python can interface relatively easily with other well-established languages like FORTRAN/C and C++. Additionally, Python also has libraries to build user interfaces, build web applications, interface to hardware, and a whole host of other domains. Prof. Kannan concluded the workshop by stating the importance of python in the field of science and technology. The workshop was coordinated by Mr. Kailash Soni under the supervision of SKIT remote centre coordinator Dr. Mukesh Kumar Gupta.

## 3RD INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES IN COMPUTER ENGINEERING: MACHINE LEARNING AND INTERNET OF THINGS" (ICETCE-2020)

3rd International Conference on "Emerging Technologies in Computer Engineering: Machine Learning and Internet of Things" (ICETCE-2020), sponsored by AICTE, New Delhi and technically sponsored by IEEE Delhi Section (Conference Record No. #48199), was organized on 7 and 8 February, 2020 by the Department of Computer Science & Engineering & Information Technology. The ICETCE conference aimed to showcase advanced technologies, techniques, innovations and equipment in Computer Engineering. It provided a platform for researchers, scholars, experts, technicians, government officials and industry personnel from all over the world to discuss and share their valuable ideas and experiences. The inaugural ceremony began

Glimpses of the Conference

with the lighting of the divine lamp by the dignitaries in an atmosphere full of zeal and zest. The Chief Guest of the conference was Shri Virendra Singh (Commissioner and Special Secretary to Government, Information Technology & Communication Department, Rajasthan, Jaipur). The Guests of Honour were Prof. San Murugesan (Adjunct Professor, Western Sydney University; Director, BRITE Professional Services; Golden Core Member, IEEE CS) and Prof. Seeram Ramakrishna (Vice President, Research Strategy, NUS, Singapore). Prof. (Dr.) Anil Chaudhary briefed about the themes of the two day conference. This was followed by the inspiring and motivational speeches by Ms. Mona Bharadwaj, Head, University Relations, IBM India Pvt. Ltd. and Guest of Honour Dr. A. Murali M Rao, Chairperson, IEEE CS, IEEE Delhi section who motivated the students. Shri Surja Ram Meel (Chairman SKIT), Shri JaipalMeel (Director, SKIT), Prof. (Dr.) S. L. Surana (Director Academics, SKIT), Prof. (Dr.) Ramesh Pachar (Principal, SKIT), Prof. M. L. Bhargava (Advisor, SKIT) also graced the occasion. The inaugural session ended with the vote of thanks by Prof. (Dr.) C. M. Choudhary, SKIT. The other invitees included eminent personalities like Prof. San Murugesan (Adjunct Professor, Western Sydney University; Director, BRITE Professional Services; Golden Core Member, IEEE CS), Prof. Seeram Ramakrishna (Vice President, Research Strategy, NUS, Singapore), Ms. Mona Bharadwaj (Head - University Relations, IBM India Pvt. Ltd.), Dr. A. Murali M Rao (Chairperson, IEEE CS, IEEE Delhi section), Prof. K. Subramanian (IEEE Ambassador, Area Coordinator, India-IEEE CS(GAC), Chair, IEEE Delhi Section), Dr. G. R. Sinha (Adjunct Professor at International Institute of Information Technology (IIIT), Bangalore, and presently deputed as Professor, Myanmar Institute of Information Technology (MIIT), Mandalay, Myanmar), Dr. Basant Agarwal (Department of Computer Science & Engineering, IIIT, Jaipur), Dr. Sumit Srivastava (Senior Member, IEEE Delhi Section). 44 papers were presented in the conference by the participants from various parts of the country like Delhi NCR, Haryana and Uttar Pradesh.

In the valedictory session key persons, practitioners and chair members shared their experiences of the conference. Dr. TejpalJhajharia, Associate Professor, Department of Computer Science & Engineering, Manipal University and Dr. Yudhveer Singh, Associate Professor, Amity Institute of Information Technology, Amity University Rajasthan distributed certificates to the paper presenters. The two day conference ended with a brief closing speech by Prof. (Dr.) C. M. Choudhary, HOD-CS and Prof. (Dr.) Anil Chaudhary, HOD-IT. Vote of thanks was delivered by Dr. PankajDadheech, Associate Professor, Department of Computer Science & Engineering.

## WORKSHOP ON WIRELESS SENSOR NETWORK AND UBIQUITOUS COMPUTING

A National Workshop on "Wireless Sensor Network and Ubiquitous Computing", sponsored by Department of Science & Technology (DST), Rajasthan was successfully organized by the department at the campus from 23 to 25 January, 2020. The program had the primary objective of providing the state of the art trends and advancements of Wireless Sensor Network and Ubiquitous Computing to the faculty members and students of different organizations. Some other specific objectives targeted in this Workshop included : training the communities and researchers about current developments in Ubiquitous Computing, Wireless Sensor Network and types of Wireless Sensor Networks used in Internet of Things; providing knowledge about Wireless Sensor Network, Communication Protocols, Clustering Algorithms, Routing Algorithms and Sensor Node Scheduling algorithms to be used in various industrial and societal applications and to create Ubiquitous Computing environment for such applications; providing awareness, knowledge about practical problems, challenges and usage of various tools for implementing Ubiquitous and Wireless Sensor Network applications like energy, size problem and its solution and providing hands on training to carry out further experimental work, research work, simulations and analysis in Wireless Sensor Networkarea.

Eminent key resource persons who enlightened the participants in the workshop were Dr. A. Nagaraju, Assistant Professor (CS), Central University of Rajasthan, Dr. Ramesh BabuBatula, Assistant Professor, Department of Computer Science & Engineering, MNIT, Jaipur, Dr. ArkaProkashMazumdar, Assistant Professor, Department of Computer Science & Engineering, Malaviya National Institute of Technology (MNIT), Jaipur, Dr. Ritesh Patel, Associate Professor, Department of Computer Engineering, Charotar University of Science and Technology, Gujarat, India. In all 50 participants attended theworkshop.

## NATIONAL WORKSHOP ON C & C++' for TEACHERS

The Computer Science Department of SKIT and IIT Bombay jointly organized a National workshop on 'C & C++' for teachers on 29 February, 2020 under the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)', MHRD, Govt. of India conducted by the Teaching Learning Centre (ICT), supported by FOSSEE & Spoken Tutorials. This workshop was addressed by Prof. Bhaskar an Raman, Department of Computer Science & Engineering, Prof. Kameswari Chebrolu, Department of Computer Science & Engineering and Prof. Varsha Apte, Department of Computer Science & Engineering, IIT Bombay.

C and C++ are used for developing operating systems, compilers, parsers, interpreters, word processors, search engines and graphic program. C and C++ are very versatile and easy-to-learn programming languages with an extensive library of open tools allowing users to solve a variety of problems, rich ecosystem of libraries and tools for scientific computing and data science. C and C++ can interface relatively easily with other well- established languages like FORTRAN. The distinguished experts emphasized on the importance of C&C++ workshop and also explained the execution process of the workshop and the process of answering through Forum.

The workshop was coordinated by Mr. Kailash Soni under the supervision of SKIT Remote Centre Coordinator Dr. Mukesh Kumar Gupta.

## NATIONAL WORKSHOP ON 'R' for TEACHERS

The Computer Science department of SKIT and IIT Bombay jointly organized a National workshop on 'R' for teachers on 17 December 2019 under the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)', MHRD, Govt. of India conducted by The Teaching Learning Centre (ICT), Supported by FOSSEE & Spoken Tutorials. This workshop was addressed by Prof. Kannan Moudgalya, Principal Investigator and Prof. Radhendushka, Co-Principal Investigator, FOSSEE project, IIT Bombay.

In her address Prof. Kannan informed that R is a very versatile and easy-to-learn programming language with an extensive library of open tools allowing users to solve a variety of problems. R has a rich ecosystem of libraries and tools for scientific computing and data science. R can interface relatively easily with other well-established languages like FORTRAN/C and C++. This makes R an excellent language to learn opening up a world of possibilities to users who desire to use their computers more effectively. Prof. Radhendushka talked about the importance of R workshop and also explained the execution process of this workshop and R console. This workshop was coordinated by Ms. Priyanka Sharma and Ms. Priyanka Bhardwaj under the supervision of SKIT Remote Centre Coordinator Dr. Mukesh Kumar Gupta.

## ACHIEVEMENT

Dr. Mukesh Gupta has been nominated as a Member of Department Research Committee (DRC) of RTU, for Department of Computer Science & Engineering by Hon'ble Vice Chancellor vide order dated 17 December, 2019.

## OTHER ACHIEVEMENTS

**Dr. Panakj Dadheech has been-**

1. Mentor for the NPTEL Online Certification Course (Funded by the Ministry of HRD, Govt. of India) for the Course "The Joy of Computing Using Python" (Top Performing Mentor), July-Dec, 2019.
2. Mentor for the NPTEL Online Certification Course (Funded by the Ministry of HRD, Govt. of India) for the Course Introduction to Internet of Things" (Mentor), July-Dec, 2019.
3. Bentham Ambassador of Bentham Science Publisher (International) for two years (2019 & 2020).
4. Awarded for "Outstanding Contribution of using ICT Based Teaching & Learning Methodology" for students for last three years (June, 2016 to May, 2019) offered by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India for "Spreading Awareness and Holding Software Training Workshops" at SKIT, Jaipur of Spoken Tutorial NPTEL.

## FACULTY DEVELOPMENT PROGRAM ATTENDED

TITLE : Internet of Things: Education Canvas
DATE : 9 to 20 November, 2019
VENUE : SKIT in association with AICTE
ATTENDED BY : Palika Jajoo

TITLE : Internet of Things: Education Canvas
DATE : 9 to 20 November, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Vijeta Khicha, Niketa Sharma, Nikhar Bhatnagar. Mayank Kumar Jain

TITLE : Train the Trainer
DATE : 18 December, 2019
VENUE : Infosys Limited, Jaipur Development Centre
ATTENDED BY : Vijeta Khicha, Shanu Tripathi, Naveen Jain, Ankit Kumar

TITLE : Python Programming Concept
DATE : 9 to 13 December, 2019
VENUE : Online Course by Forsk Technologies
ATTENDED BY : Vijeta Khicha, Naveen Jain, Mayank Kumar Jain

## FACULTY TRAINING PROGRAM ATTENDED

TITLE : Python Programming Concept
DATE : 9 to 13 December, 2019
ATTENDED BY : Palika Jajoo
ORGANIZED BY : Forsk Technologies Pvt. Ltd. at SKIT Jaipur

## WORKSHOP ATTENDED

TITLE : Outcome based Education
DATE : 19 to 21 December, 2019
ATTENDED BY : Palika Jajoo
ORGANIZED BY : PAQIC at SKIT Jaipur.

TITLE : PCB Design and Fabrication
DATE : 19 to 21 September, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Shanu Tripathi



## NPTEL / MOOKIT / IITBX / SWAYAM COURSE COMPLETED BY FACULTY

COURSE/ TOPIC : Hardware Modeling Using Verilog
COMPLETED BY : Shanu Tripathi
DURATION & CATEGORY : August -October 2019 (3 week ) Awarded Elite+Silver Certificate

COURSE/ TOPIC : Programming in C++
COMPLETED BY : Garima Gupta
DURATION & CATEGORY : July-September 2019, (8 week course)

COURSE/ TOPIC : Database Management System
COMPLETED BY : Nikhar Bhatnagar
DURATION & CATEGORY : July to September 2019 (8 weeks). Awarded Elite Certificate

COURSE/ TOPIC : Applied Natural Language Processing
COMPLETED BY : Mayank Kumar Jain
DURATION& CATEGORY : July to October2019 (12 weeks). Awarded Elite Certificate

COURSE/ TOPIC : Cloud Computing
COMPLETED BY : Palika Jajoo
DURATION& CATEGORY : August to October 2019 (8 week). Awarded Elite +Silver Certificate & Top 5% Topper.

## WORKSHOP CONDUCTED

TITLE : Moodle Learning Management System
DATE : 15 March, 2019
CONDUCTED BY: Dr. Mukesh Gupta, Kanak Giri and Dinesh Choudhary
ORGANIZED BY : SKIT under the supervision of IIT Bombay, India at SKIT Jaipur

## FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

TITLE : Scientific Writing and Computing
DATE : 27 to 29 June, 2019
VENUE : Poornima Group of Institutions, Jaipur
ATTENDED BY : Vijeta Khicha, Shanu Tripathi, Deepa Modi, and Niketa Sharma

TITLE : Data Analytics for Engineers andResearchers
DATE : 26 to 30 August, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Vijeta Khicha, Shanu Tripathi, Deepa Modi and Kailash Soni

TITLE : Programme Assessment and Quality Improvement Cell (PAQIC)
DATE : 29 April to 7 May 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Shanu Tripathi

TITLE : IBM Faculty Development Program
DATE : 17 to 21 June, 2019
VENUE : IBM, Bangalore
ATTENDED BY : Kanak Giri

TITLE : FDP for Student Induction (FDP-SI)" Organized by AICTE.
DATE : 01 to 03 June, 2019
VENUE : Poornima College of Engineering, Jaipur
ATTENDED BY : Kailash Soni, Naveen Jain and Ganpat Singh

TITLE : Application on PLC - SCADA System
DATE : 17 to 18 June, 2019
ATTENDED BY : Naveen Jain
ORGANIZED BY : Rajasthan College of Engineering for Women, Jaipur

TITLE : Recent Advancements in Mathematical Modelling and Computing
DATE : 25 to 27 June, 2019
ATTENDED BY : Naveen Jain
ORGANIZED BY : Rajasthan College of Engineering for Women, Jaipur

TITLE : Secure Cloud Computing & its Real Life Application
DATE : 6 to 8 September, 2019
ATTENDED BY : Naveen Jain
ORGANIZED BY : Poornima Institute of Engineering & Technology, Jaipur

TITLE : Internet of Thing and Machine Learning
DATE : 20 to 22 June, 2019
ATTENDED BY : Naveen Jain
ORGANIZED BY : Anand International College of Engineering, Jaipur

TITLE : Data Analytics for Engineers and Research
DATE : 26 to 30 August 2019
ATTENDED BY : Neeraj Garg
ORGANIZED BY : RTU, Kota & SKIT, Jaipur

## WORKSHOP ATTENDED

TITLE : Artificial Intelligence with Deep Learning
DATE : 25 to 26 March, 2019
ATTENDED BY : Vijeta Khicha, Shanu Tripathi
ORGANIZED BY : SKIT, Jaipur

TITLE : Scilab Workshop
DATE : 4 May, 2019
ATTENDED BY : Shanu Tripathi, Vijeta Khicha, & Garima Gupta
ORGANIZED BY : IIT Bombay at SKIT Jaipur.
TITLE : Linux for Teachers
DATE : 23 August, 2019
ATTENDED BY : Shanu Tripathi, Vijeta Khicha, Kailash Soni
ORGANIZED BY : IIT Bombay at SKIT Jaipur.

TITLE : Python for Teachers
DATE : 22 June, 2019
ATTENDED BY : Kailash Soni and Neeraj Garg
ORGANIZED BY : IIT Bombay at SKIT Jaipur.

TITLE : PCB Design & Fabrication (PDK 2K19)
DATE : 19 to 21 September, 2019
ATTENDED BY : Shanu Tripathi
ORGANIZED BY : SKIT, Jaipur

TITLE : Python for Teachers
DATE : 23 August, 2019
ATTENDED BY : Neeraj Garg
ORGANIZED BY : IIT Bombay at SKIT Jaipur

## NPTEL COURSE COMPLETED BY FACULTY

COURSE/ TOPIC : Machine Learning
COMPLETED BY : Vijeta Khicha
DURATION & CATEGORY : February to April 2019 (8 weeks). Awarded Elite Certificate & Top 5% Topper

COURSE/ TOPIC : Embedded System Design with Arm
COMPLETED BY : Shanu Tripathi
DURATION & CATEGORY : January to March 2019 (8 week course). Awarded Elite + Silver Medal Certificate

## BOOKS PUBLISHED

TITLE : Cloud Computing: Master the Concepts, Architecture and Applications with Real world examples and Case studies
AUTHOR : Mehul Mahrishi
PUBLISHER : BPB Publications, ISBN-13: 978-9388511407

TITLE : Machine Learning and Deep Learning Applications in Real Time
AUTHOR : Mehul Mahrishi (Guest Editor)
PUBLISHER : IGI, Global (In Press) available for online orders https://www.igi-global.com/book/machine-learning-deep-learning real/240152#table-of-contents

## PATENTS FILED

TITLE : Automated Non Invasive Blood Group Determination and Cholesterol Level Using IoT.
NAME : Pankaj Dadheech
PATENT DATE : 21 February, 2020

TITLE : IoT based Real-Time Fuel Efficiency and Monitoring System for a Smart Vehicle using Mobile Device
NAME : Pankaj Dadheech
PATENT DATE : 28 February, 2020

TITLE : Image Captcha Cropping Using Symbols (ICS)
NAME : Pankaj Dadheech
PATENT DATE : 20 March, 2020

TITLE : Smart Traffic System for Emergency Vehicles Using IoT
NAME : Pankaj Dadheech
PATENT DATE : 20 March, 2020

## NPTEL / MOOKIT / IITBX / SWAYAM COURSE COMPLETED BY FACULTY

COURSE/ TOPIC : Deep Learning Specialization
COMPLETED BY : Dolly Mittal
DURATION & CATEGORY: 2020, 16 Weeks- Coursera

COURSE/ TOPIC : Clustering Geo-location Data Intelligently in Python
COMPLETED BY : VIjetaKhicha
DURATION& CATEGORY : May 17, 2020- Coursera

COURSE/ TOPIC : Cloud Computing Basics
COMPLETED BY : Priyanka Bhardwaj
DURATION& CATEGORY : May to June 2020 (3 Weeks) - Coursera

COURSE/ TOPIC : Crash Course on Python 3.4.3
COMPLETED BY : Priyanka Bhardwaj, PoonamVarshney
DURATION & CATEGORY: 26 to 30 May, 2020 - Spoken Tutorial, IIT Bombay.

COURSE/ TOPIC : COVID-19 Contact Tracing
COMPLETED BY : ShanuTripathi
DURATION& CATEGORY : 27 May, 2020 -1 Week Johns Hopkins University,Baltimore, Maryla

COURSE/ TOPIC : What is Data Science?
COMPLETED BY : Nikhar Bhatnagar
DURATION & CATEGORY: 4 June, 2020 - Coursera

COURSE/ TOPIC : How Google does Machine Learning?
COMPLETED BY : Nikhar Bhatnagar
DURATION & CATEGORY: 22 May, 2020 -- Coursera

COURSE/ TOPIC : Launching into Machine Learning?
COMPLETED BY : Nikhar Bhatnagar
DURATION & CATEGORY: 3 May, 2020 -- Coursera

COURSE/ TOPIC : Building Robots with TJBot
COMPLETED BY : Nikhar Bhatnagar
DURATION & CATEGORY: 4 March, 2020 --Cognitive Class

COURSE/ TOPIC : Machine Learning with Python
COMPLETED BY : Nikhar Bhatnagar
DURATION & CATEGORY: 6 March, 2020 --Cognitive Class

COURSE/ TOPIC : Introduction to Internet of Things
COMPLETED BY : Pankaj Dadheech
DURATION& CATEGORY : 12 Week NPTEL Certified with a Consolidated Score of 94% (Gold+Elite)

COURSE/ TOPIC : Programming for Everybody (Getting Started with Python)
COMPLETED BY : Nidhi Srivastav
DURATION& CATEGORY : 7 Weeks - Coursera

COURSE/ TOPIC : Introduction to Data Science in Python
COMPLETED BY : Nidhi Srivastav
DURATION& CATEGORY : 4 Weeks --Coursera)

COURSE/ TOPIC : Python Data Structures
COMPLETED BY : Deepa Modi
DURATION& CATEGORY : 2020, 7 Weeks -- Coursera

## SESSIONS CHAIRED

SESSION ON : Sustainable Management
CHAIRED BY : Pankaj Dadheech,
DATE & VENUE : International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2020)", 20 to 22 January, 2020 at Amity University Rajasthan, India.

SESSION ON : Advances in "Computational Intelligence and Application"
CHAIRED BY : Pankaj Dadheech,
DATE & VENUE : International Conference on Information Management & Machine Intelligence (ICCIMMI-2019)", Sponsored by TEQIP-III 14to 15 December, 2019 at Poornima Institute of Engineering & Technology, Jaipur, Rajasthan, India.

## SHORT TERM TRAINING PROGRAMMES ATTENDED

TITLE : Internet of Things: Education Canvas
DATE : 2 to 7 March, 2020
ATTENDED BY : Deepa Modi, Anjali Pandey, Shanu Tripathi, Vijeta Khicha, Nidhi Srivastav
ORGANIZED BY : SKIT, Jaipur

TITLE : Recent Trends and Applications of ML and DL Algorithms in IT
DATE : 25 to 29 May, 2020
ATTENDED BY : Palika Jajoo
ORGANIZED BY : RAIT, D.Y Patil University, Navi Mumbai

TITLE : Sensor, IOT & Machine learning
DATE : 1 to 5 June, 2020
ATTENDED BY : Priyanka Sharma, ShanuTripathi, Vijeta Khicha, Deepa Modi
ORGANIZED BY : K.J. Somaiya College of Engineering, Vidyavihar, Mumbai

## M. TECH DISSERTATION COMPLETED

SUPERVISOR NAME : NikharBhatnagar
SCHOLAR NAME : Priyanka Sharma
TOPIC : An Approach of Secure Data Process on Cloud with Effective Monitoring

## BOOK CHAPTER WITTEN

CHAPTER TITLE : A Fuzzy Logic-Based Control System for Detection and Mitigation of Black hole Attack in Vehicular Ad Hoc Network
AUTHORS : Kumar A., Dadheech P., Beniwal M.K., Agarwal B., Patidar P.K.
NAME OF BOOK : Microservices in Big Data Analytics Chaudhary A., Choudhary C. Gupta

M. Lal C., Badal T. (eds.) (2020)
PUBLISHED BY : Springer, Singapore, First Online: 27 November, 2019, pp 163-178, Print ISBN: 978-981-15-0127-2, Online ISBN: 978-981-15-0128-9, DOI https://doi.org/10.1007/978-981-15-0128-9_15.

# DEPARTMENT OF MECHANICAL ENGINEERING

## FDP ORGANISED ON DATA ANALYTICS FOR ENGINEERS AND RESEARCHERS

The ME department organized a one week Faculty Development Program, sponsored by TEQIP III-RTU Kota, on "Data Analytics for Engineers and Researchers" from August 26 to 30, 2019. The FDP started with the lighting of the lamp by Prof. S. L. Surana, Director (Academics), Prof. C. B. Gupta (Guest Speaker from BITS Pilani) and Prof. N.C. Bhandari (HOD, ME). The FDP team included Prof. Dhirendra Mathur as RTU (ATU)-TEQIP III coordinator, Dr. Aditya Mani Mishra as RTU Event coordinator, Dr. Om Ji Shukla and Dr. Manoj Kumar Sain as FDP Convener along with organizing team members Mr. Vinay Singh Marwal, Mr. Amit Kumar Bansal, Mr. Praveen Saraswat, Mr. Sumit Jhalani, and Mr. Vishnu Jangid. More than 70 participants including research scholars and faculty members from other RTU affiliated colleges participated in the programme. A pool of experts delivered lectures on various topics like Role of Data Analytics in Research, MCDM Techniques, Data Pre-processing Techniques, Probability Distribution, Hypothesis Testing, Design of Experiments, Taguchi method, Analysis of Variance, Regression, Factor analysis, Principal component Analysis, Cluster Analysis and Structural Equation Modeling. The FDP concluded with a valedictory session and certificate distribution to all the participants by Prof. S.L. Surana, Director (Academics) and Prof. N. K. Banthiya (Head, PAQIC).

Group Photos

## WORKSHOPS ORGANIZED

### TECHNICAL SESSION ON MECHANICAL CAD SOFTWARE

ASME Student Section, SKIT and Staple CAD, Jaipur jointly organized a technical session on "Awareness to Mechanical CAD Software" on August 28, 2019. The programme included a hands on practice session also for "Design of Nut and Bolt" using Auto CAD software. Students from different branches participated enthusiastically. The session was coordinated by Mr. Arun Beniwal.

Glimpses of Workshop

### WORKSHOP ON CFD ANALYSIS USING ANSYS FLUENT

ASME Student Section SKIT and CadEasy, Jaipur, organized a workshop on CFD Analysis using Ansys Fluent on September 11, 2019 in the department. Mr. Tarun Singh, Alumni SKIT, was the technical expert from CadEasy. The workshop also included a case study on "Aerodynamic testing of Car". It was a good learning experience for the students. Mr. Arun Beniwal coordinated this workshop.

Glimpses of Workshop

## ACHIEVEMENTS

### TEAM TRONIX THUNDER WON RS 50,000 IN SMART INDIA HACKATHON-2019

Tronix Thunder, a multi-disciplinary team of SKIT, participated in Smart India Hackathon (SIH)–2019 (Hardware edition) and won the first prize worth Rs. 50,000/ for its innovative project 'Decoction Brewing Vending Machine', in response to the problem statement of Ministry of AYUSH in the event SIH-2019 at IIT, Delhi. This is a ready to serve machine that makes concoctions from herbal brews, often made from barks, roots, and seeds. Team Tronix Thunder members include Chandan Kumar (ME-VII), Prageet Sharma (ME-VII), Gaurav Choudhary (ME-VII), Mahima Bhoi (ECE-VII) and Rajat Sharma (CSE-VII). The project was supervised by Mr. Kanak Giri (Asst. Prof. CSE), Mr. Praveen Saraswat (Asst. Prof. ME) and Mr. Dinesh Kumar Sharma (Asst. Prof. ME).

Glimpses of Tronix

## INDUSTRY VISITS

The Department of Mechanical Engineering organized industry visits for II year students in June, 2019 during induction program. Students visited RUFIL Dairy plant at Mahindra SEZ-Ajmer Road and Gustora Foods Pvt. Ltd. Bagru Industrial Area, Jaipur and observed industry safety, discipline, hygiene in food industries and working of various food processing machines. The plant engineers also provided technical knowledge through videos and field visit.

Industries Visits

## STAFF TRAINING PROGRAM

### PRACTICAL SESSION ON LUBRICATION OF MACHINES & EQUIPMENTS

A practical session on Lubrication of Machines & Equipments for technical staff members of SKIT was conducted by Department of Mechanical Engineering under PAQIC in June, 2019 as a part of Staff Training Program. Prof. N.K. Banthiya, Head PAQIC and Mr. Vinay Singh Marwal were resource persons for the session. Technicians of all the departments were trained on lubricants identification, their proper use and safety guidance while handling lubricants. Hands on practice sessions were conducted on lubrication tips in bearings and machine spindles.

Glimpses of Lubrication

### EXPERT TALK ON ATTAINMENT OF COs & POs

Expert Talk

An expert talk on 'Attainment of COs & POs' was organized by the department on August 10, 2019. Dr. Mohammed Ilyas, Professor, Saudi University, Saudi Arabia presented various aspects of attaining COs and POs He presented some examples for calculating attainments of course outcomes and program outcomes using the software. Faculty members from all the departments attended this program. The program concluded with a vote of thanks by Prof. S.L. Surana, (Director Academics).

## PROGRAMMES ORGNISED BY PAQIC

### FACULTY DEVELOPMENT PROGRAMME 2019

A one-week Faculty Development Programme (FDP) was conducted for newly joined faculty members by PAQIC from 29

April, 2019 to 7 May, 2019. The main areas covered were – Communication, its types and channels, board Planning & delivery of lecture, use of over-head projector for teaching tables, graphs and schematic diagrams, differences; formulation of course outcomes, taxonomies in domains of learning-cognitive, psychomotor and affective; skills of introducing, explaining, questioning, reinforcing and summarizing, importance of feedback of one's own lecture etc.

In the programme,various teaching-learning methods, aids, strategies were used including classroom assignments and exercises, revision of material learnt during previous and present session by interaction with the participants. The program concluded with a quiz toassess the learning. The programme was conducted by Dr. N.K. Banthiya, Head, PAQIC, assisted by Mr. Dinesh Sharma, Mr. Chandan Kumar and Mr. Roop Singh of Mechanical Engineering Department.

## STAFF DEVELOPMENT PROGRAMME- 2019

A one-week Staff Development Programme (SDP) was organized for technical staff by PAQIC from 25 June, 2019 to 1 July, 2019 of the Institute. The programme aimed at training the technicians in essential skills along with focusing on their roles and responsibilities of technicians. The topics and activities covered during the programme were- Communication, its types and channels; common mechanical tools & lubrication, electronic instruments, circuits, measurements & processes, basics of Microsoft office, maintenance of the lab records/stock by technicians etc. Cases were designed and discussed to highlight the roles and responsibilities of the technical staff.

The program concluded with visits to Mechanical Engineering Laboratories and Workshop, Electronics and Computer laboratories for hands on practice session. Resource persons for the programme included Mr. V.S. Marwal (ME), Mr. Mehul Mahrishi (IT) & Mr. Anil Verma (ECE). The programme was conducted by Dr. N.K. Banthiya, Head, PAQIC, assisted by Mr. Dinesh Sharma, Mr. Chandan Kumar and Mr. Roop Singh of Mechanical Engineering Department.

## WORKSHOP ON SWOT ANALYSIS FOR III SEMESTER STUDENTS

Four workshops on SWOT Analysis were conducted for III Semester Mechanical, Civil and Electronics & Communication students during June 2019 by Dr. N.K. Banthiya. Students were encouraged to identify their own strengths to build on these; identify their own weaknesses to minimize them; scan for internal opportunities and benefit from these; and scan internal threats to prepare themselves.

## 2ND INTERNATIONAL CONFERENCE ON NEW AND RENEWABLE ENERGY RESOURCES FOR SUSTAINABLE FUTURE

With an aim to provide a stage for researchers to discuss their ideas, stimulate the young researchers and to promote the collaboration between the research groups working on various

Dignitaries and Delegates during International Conference

aspects of renewable energy resources, the 2nd International conference on New and Renewable Energy Resources for Sustainable Future (ICONRER 2019) was jointly organized from November 07 to 09, 2019 by Department of Mechanical Engineering of SKIT, National Institute of Technology, Uttrakhand and Department of Mechanical Engineering, Malaviya National Institute of Technology, Jaipur at SKIT campus. The conference was financially sponsored by Science and Engineering Research Board (SERB). The technical sponsors for the conference were ASME student section, SAE collegiate club, Institution of Engineers (India), Indian Society for Technical Education (ISTE), and Indian Concrete Institute (ICI). Dr. Ashish Nayyar along with Mr. Dinesh Kumar Sharma, Mr. Ankit Agarwal, Mr. Praveen Saraswat were conveners of the conference and Dr. Rishi Vyas was co-convener. The Conference Committee signed an agreement for publication of research papers with three reputed journals:

1. **International Journal of Environment and Sustainable Development (ESCI, SCOPUS)** Special issue on Smart Use of Resources and Strategies for Sustainable Development;
2. **International Journal of Renewable Energy Technology** Special issue on Emerging Trends in Renewable and Sustainable Energy
3. **Interdisciplinary Environmental Reviews** Special issue on New and Renewable Energy Resources

The Guest Editors of these journals are: Prof. Ashish Nayyar, Prof. Manu Augustine, Dr. Om Ji Shukla, Dr. Manoj K Sain and Mr. Dinesh Kumar Sharma.

The inaugural day was graced by the presence of chief guest Shri. Ajitabh Sharma, Chairman Rajasthan Renewable Energy Corporation Limited (RRECL), Rajasthan, guest of honor, Prof. Ahmed Hamza H. Ali (Assiut University, Assiut, Egypt) and Prof. Avinash Kumar Agarwal (IIT Kanpur). Shri. Surja Ram Meel, Chairman SKIT, welcomed all participants and highlighted the need of conferences for effective exchange of research ideas, and extension of research collaborations. Other dignitaries of the inaugural ceremony were Shri Jaipal Meel, Director, SKIT, Prof. S. L. Surana, Director (Academics), SKIT, Dr. K. Sudhakar, University of Malaysia Pahang, Prof. L. M. Das, IIT Delhi, and Prof. G. N. Tiwari, IIT Delhi.

The conference recorded plenary talks by Prof. Hamza and Prof. Agarwal. Prof. Hamza presented his research of Sustainable Active Cooling Systems in Refrigeration and Air conditioning. Prof. Agarwal discussed the need of IC engines over battery driven electric vehicles. He also underlined the problem of emission from automobiles and their impact on human health. Dr. K. Sudhakar (University of Malaysia, Pahang) delivered his keynote address on Floating PV Panels for Increased Overall Efficiency. Prof. G.N. Tiwari (IIT Delhi), Prof. L.M. Das (IIT Delhi), Prof. Dilip Sharma (MNIT, Jaipur), Prof. G.D. Agarwal (MNIT, Jaipur),

Prof. Deepak Sharma (CTAE, Udaipur) and Prof. B. L. Salvi (CTAE, Udaipur) presented their plenary talks on issues and challenges in various research domains of Renewable Energy. Dr. N. K. Banthiya proposed a formal vote of thanks. A project expo complemented by poster and concept presentation was also organized in which research projects of the students were demonstrated.

## INTERACTIVE SESSION CONDUCTED

Mr. Ajay Dhanopia of the department conducted an interactive session on "Mechanical Engineering: Introduction & Career

A still from the Session

Opportunities" in Academia World Education and Book Fair-2019 from 18 to 19 November, 2019 at Maheshwari Public School, Jawahar Nagar, Jaipur.

## TECHFEST'S ZONAL "TECHNORION -2019"

Techfest's Zonal "Technorion -2019" was organized by Robotics & ASME Clubs, in association with IIT Bombay at SKIT, Jaipur on 06 October 2019. More than 500 teams from various schools and engineering colleges across the state participated in the event. The list of the winners is as follows:

| S. No. | Name of event | Winner |
|---|---|---|
| 1 | Cozmo Clench | MBM, Jodhpur |
| 2 | Meshmerize | St. Anne's Seniorr Sec. School, Jodhpur |
| 3 | CoDecode | SKIT, Jaipur |
| 4 | Olympiad | Cambridge Court, Jaipur |

Glimpses of Technorion -2019

Prof. S. L. Surana Director (Academics), Dr. Dheeraj Joshi, Mr. Brij Mohan Sharma, Mr. Praveen Saraswat, Mr. Arun Beniwal and Mr. Saurabh Gupta motivated and congratulated the students for their participation to make this technical event successful.

## PARTICIPATION IN 'BOOTATHON': A VIRTUAL LAB DEVELOPMENT EVENT

A team of one faculty member Dr. Om Ji Shukla, and students- Chirag Patni, Aman Sharma, Hritik Gaur, Mohit Agarwal participated in a Virtual Lab Development "BOOTATHON" (Bootcamp + Hackathon) event from 4 to 10 November, 2019 held at Government Engineering College, Banda, Uttar Pradesh in coordination with IIT Bombay, IIT Delhi and IIT Kanpur. Supported by TEQIP-III, "BOOTATHON" was a national event and total 30 teams across India participated in this event. Every team had to develop experiments on Virtual Lab during this event. The development process of an experiment consists four steps: writing a well-defined pedagogy, writing a detailed storyboard, writing the lab manual and developing the

SKITians in Bootathon

simulator. The team performed excellently in every task given by the experts in the event.

## INDUSTRIAL TOUR

Mr. Amit Kumar Bansal and Mr. Naveen Kr. Sain, Coordinators of the department, led an industrial tour along with the students of VI semester from December 9 to 14, 2019. The industries visited during the tour included: Havells India Ltd. Neemrana, Ritika Solar Systems Pvt. Ltd, Bajaj Auto Ltd, Pant Nagar, Uttrakhand, Microturners Pvt. Ltd. The objective of the tour was to give an industrial exposure to the students along with the basic understanding of the industrial work processes.

Glimpses of Industrial Tour

## STTP ON CAD-CAM AND ADVANCED MANUFACTURING HELD

An AICTE Sponsored Short Term Training Programme on CAD-CAM and Advanced Manufacturing was organized from 2 March to 7 March, 2020 by the department of Electrical Engineering. The STTP was coordinated by Dr. Manoj Kumar Sain. The course was aimed for faculty members and industry persons linked with the theme of the STTP. Overall 16 expert lectures and practical sessions with one field visit were conducted during the six days of STTP. A pool of six external experts including Prof. MeghanshuVashista from IIT BHU, Prof. Avanish Dubey from MNNIT, Allahabad, Dr. J. P. Misra from NIT Kurukshetra, Prof. Harlal Singh Mali and Dr. Amit Singh from MNIT Jaipur and Mr. Mukesh Kumar as a CAD expert were invited to deliver their expertise in their respective fields. In addition, Dr. Dheeraj Joshi, Dr. Manu Augustine, Dr. Achin Srivastava, Mr. Ajay Dhanopia, Prof. Vinay Singh Marwal, Mr. Arun Beniwal and Mr. Praveen Saraswat of the Department of Mechanical Engineering (SKIT) also shared their expert views on various topics related to the theme. Prof. M. P. Poonia, Vice Chairman AICTE was the Chief Guest and Dr. Meghanshu Vashista, IIT BHU was the Guest of Honour. About 56 participants from different colleges and industries actively participated in the STTP.

Glimpses of the STTP

On the last day of STTP, a feedback session and test was conducted by Programme Evaluation Committee. The certificates were given to the participants for successfully completingthe programme.

## NATIONAL WORKSHOP FOR INNOVATION AND STARTUP NISP

A state level one day workshop on "Orientation Program on National Workshop for Innovation and Startup (NISP)" was organized on 3 March, 2020 at Rajasthan Technical University, Kota. Prof. R.A. Gupta - Vice Chancellor (RTU, Kota) presented a welcome note on the role of a teacher as a mentor. Mr. Dipan Sahu – Executive Consultant, MHRD, New Delhi addressed the gathering with a story of "The Ice King Cometh: Frederic Tudor, Father of Ice industry" – sharing how he became a billionaire by selling ice. Various initiatives taken by MHRD innovation cell were also shared.

Mr. Ajay Kumar Dhanopia (Asso. Prof., ME), Mr. Vikas Pathak (Asso. Prof., ECE) and Mr. Ankit Vijayvargiya (Asso. Prof., EE) participated in this workshop along with students Aman Sharma (ME), Chirag Patni (ME), Anjali Jain (ECE), Aditya Choudhary (ECE), Gireek Raj (EE) and Arpit Sharma (EE).

Students present at RTU during the Conference



# ACHIEVEMENTS

## 1.AICTE CHATRA VISHWAKARMA ZONAL AWARD, 2020

An AICTE Chhatra Vishwakarma Zonal Award 2020 was given to the students of Mechanical Department of SKIT for a project entitled Decoction Vending Machine at Regional North Level under Livelihood category. A total of 6100 teams participated at Jagan Institute of Management Studies, Delhi. The name of the team was LEAFY. The team leader was Mr. Chandan Kumar Prajapati. The other members included – Mahima Bhoi, Prageet Sharma and Gaurav Chaudhary. The team was led by Mr. Ajay Kumar Dhanopia (Associate Prof.).

Glimpses of the Programme

1.Mr. Ajay Kumar Dhanopia's experiment "To Study the Spring Testing Machine and Determine The Design Parameters for Tension and Compression Helical Spring" was approved by IIT Bombay in March, 2020.

## WORKSHOP ATTENDED

TITLE : Support for Entrepreneurial and Managerial Development of MSMEs through Incubators
DATE : Aug 07, 2019
ATTENDED BY : Ajay Kumar Dhanopia
ORGANIZED BY : MSME, Jaipur.

TITLE : AICTE Internship Policy with Industries and Technical Education Institutions
DATE : June 21, 2019
ATTENDED BY : Ajay Kumar Dhanopia
ORGANIZED BY : MNIT, Jaipur in Association with AICTE & RTU, Kota

TITLE : Robotics- Theory, Concepts and Implementation
DATE : May 24 to 28, 2019
ATTENDED BY : Brij Mohan Sharma
ORGANIZED BY : MNIT, Jaipur.

TITLE : Robotics- Theory, Concepts and Implementation
DATE : May 24 to 28, 2019
ATTENDED BY : Praveen Saraswat
ORGANIZED BY : MNIT, Jaipur.

TITLE : Industry 4.0
DATE : April 22 to 26, 2019
ATTENDED BY : Om Ji Shukla
ORGANIZED BY : MNIT, Jaipur

TITLE : Industry 4.0
DATE : April 22 to 26, 2019
ATTENDED BY : Vinay Singh Marwal
ORGANIZED BY : MNIT, Jaipur.

TITLE : Industry 4.0
DATE : April 22 to 26, 2019
ATTENDED BY : Vishnu Jangid
ORGANIZED BY : MNIT, Jaipur.

TITLE : Industry 4.0
DATE : April 22 to 26, 2019
ATTENDED BY : Sudesh Garg
ORGANIZED BY : MNIT, Jaipur.

TITLE : Finite Element Method in Engineering for Industries and Academia
DATE : May 13 to 17, 2019
ATTENDED BY : Chandan Kumar
ORGANIZED BY : MNIT, Jaipur.

## PAPERS PRESENTED IN CONFERENCES

TOPIC : Investigation of Mechanical Properties in Silicon Carbide Filled Carbon FiberComposites
AUTHOR/s : Monika Khurana, J.K.Purohit, Robin Gupta
CONFERENCE : 6th International Conference on Production and Industrial Engineering (CPIE-2019), Dr B R Ambedkar National Institute of Technology Jalandhar, Department of Industrial and Production Engineering (June 8-10, 2019)

TOPIC : Air Erosion Behaviour of Sic Filled Carbon Fiber Epoxy Composites
AUTHOR/s : Monika Khurana, Bhuvnesh Bhardwaj
CONFERENCE : 6th International Conference on Production and Industrial Engineering (CPIE-2019), Dr B.R. Ambedkar National Institute of Technology Jalandhar, Department of Industrial and Production Engineering (June 8-10, 2019)

TOPIC : A Short Review of Lean Six Sigma for Sustainable Development
AUTHOR/S : Praveen Saraswat, Rajeev Agrawal, M. L. Meena, Prince Ranjan
CONFERENCE : 6th International Conference on Production and Industrial Engineering (CPIE-2019), Dr B R Ambedkar National Institute of Technology Jalandhar, Department of Industrial and Production Engineering (June 8-10, 2019)

## FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

TITLE : QIP/CES Course on Solar Thermal Technologies for Process Heat and Power
DATE : June 17 to 21, 2019
VENUE : Department of Energy Science and Engineering, IIT, Bombay
ATTENDED BY : Dinesh Kumar Sharma

TITLE : QIP/CES Course on Solar Thermal Technologies for Process Heat and Power
DATE : June 17 to 21, 2019
VENUE : Department of Energy Science and Engineering, IIT, Bombay
ATTENDED BY : Ankit Kumar Agarwal

TITLE : Faculty Development Program-2019
DATE : April 29 to 07, 019
VENUE : SKIT, Jaipur
ATTENDED BY : Chandan Kumar

TITLE : Data Analytics for Engineers and Researchers
DATE : August 26 to 30, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Chandan Kumar

## PROGRAMS ATTENDED

TITLE : Rajasthan Innovation & Start-up Expo-2019" organized by Government of Rajasthan
DATE : 19 December, 2019
VENUE : MNIT, Jaipur.
ATTENDED BY : Ajay Dhanopia

TITLE : International Conclave on "Rajasthan Higher & Technical Education HR Conclave-2019" organized by Government of Rajasthan
DATE : 16 to 17 December, 2019
VENUE : Hotel Clarks Amer, Jaipur.
ATTENDED BY : Ajay Dhanopia

## PhD AWARDED

THESIS TITLE : Development of Heuristics for Multi-Skill Resource Constrained Project Scheduling
AWARDED TO : Dheeraj Joshi
GUIDED BY : Prof. M. L. Mittal
INSTITUTE : Malaviya National Institute of Technology , Jaipur
YEAR : August 2019

## FACULTY DEVELOPMENT PROGRAM ATTENDED

TITLE : Internet of Things in Education Canvas
DATE : 9 to 20 November, 2019
VENUE : SKIT in association with AICTE
ATTENDED BY : Ajay Kumar Dhanopia

TITLE : CNC Programming
DATE : 17 to 20 December, 2019
VENUE : CAD Desk Jaipur
ATTENDED BY : Arun Beniwal

## NPTEL COURSES COMPLETED BY FACULTY

COURSE/ TOPIC : Steam and Gas Power Systems
COMPLETED BY : Arun Beniwal
DURATION & CATEGORY : February-April, 2019 (8 Weeks). Awarded Elite Certificate

COURSE/ TOPIC : Concepts of Thermodynamics
COMPLETED BY : Naveen Kumar Sain
DURATION & CATEGORY : July- October, 2019 (12 Weeks). Awarded Elite Certificate

## PAPERS PRESENTED IN CONFERENCES

TITLE : Exergy Analysis of Evacuated Tube Compound Parabolic Collector under Jaipur-India Environmental Conditions
AUTHORS : Dinesh Kumar Sharma, Dilip Sharma, Ahmed Hamza H Ali
CONFERENCE : 2nd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT, Jaipur (Nov.7-9, 2019).

TITLE : Use of 2–Methoxyethyl Ether and Nitromethane as Oxygenated Additives for Performance improvement and Emission Reduction of CI Engine: An Experimental Study
AUTHORS : Chandan Kumar, Priyanka Verma, Meghna Mahar, K.B. Rana, S. S. Sharma
CONFERENCE : 2nd International Conference on Recent Trends in Environment and Sustainable Development (RTESD-2019), Vivekananda Global University, Jaipur (Oct.17-19, 2019).

TITLE : Fertilizer/Seeds Spreading Machine: Development and Testing
AUTHORS : Chandan Kumar, K.B. Rana, M. L. Meena
CONFERENCE : 2nd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT, Jaipur (Nov.7-9, 2019).

TITLE : The Influence of D-DEE-E Blend and Various Operating Parameters on CI Engine Performance
AUTHORS : Chandan Kumar, Raju Malani, K.B. Rana, B. Tripathi, Ankit Agarwal
CONFERENCE : 2nd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT, Jaipur (Nov.7-9, 2019).

TITLE : The Influence of Diesel-additives Ternary Fuel Blends on Non-road VCR Diesel Engine using Hybrid Entropy-VIKOR Technique: Experimental Analysis and Numerical Simulation
AUTHOR/S : Chandan Kumar, K.B. Rana, B. Tripathi, Ashish Nayyar
CONFERENCE : 2nd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT, Jaipur (Nov.7-9, 2019).

TITLE : Design and Development of Spherical Cross Flow Hydrokinetic Turbine for Hydal Energy
AUTHORS : Ajay Kumar Dhanopia, Aakash Sharma, Gaurav Gupta, Pulkit Jain
CONFERENCE : 2nd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT, Jaipur (Nov.7-9, 2019).

TITLE : A Review on Waste Heat Recovery Systems with Thermal Energy Storage in Internal Combustion (IC) Engine
AUTHOR : Amit Kumar Bansal
CONFERENCE : International Conference on Energy & Environment Challenges and Opportunities for Industries organized by MNIT, Jaipur during Dec 28-29, 2019.

TITLE : Thermal Regulation and Performance Enhancement of Solar PV panel using PCM Om29
AUTHORS : Arun Beniwal, Dinesh Kumar Sharma
CONFERENCE : 2nd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT, Jaipur (Nov.7-9, 2019).

## BOOKS PUBLISHED

TITLE : Experimental Studies on Blend of Corn-oil Testers with Diesel: Biodiesel and SVO
AUTHOR : Dinesh Kumar Sharma, Dilip Sharma, Digambar Singh
PUBLISHER : LAP LAMBERT Academic Publishing (2019)

TITLE : A Text Book of Measurement & Metrology
AUTHOR : Sudesh Garg, Monika Khurana
PUBLISHER : Ashirwad Publishing, Jaipur

## BOOK CHAPTER WRITTEN

TITLE : Effect of Nitromethane–n-Butanol–Diesel Blends on Diesel Engine Emissions
AUTHOR/S : Chandan Kumar, Naveen Kumar Sain, Ashish Nayyar, Kunj Bihari Rana, Brajesh Tripathi
BOOK : Advances in Energy Research (Springer Proceedings in Energy), ISBN-978-981-15-2661-9. Vol. 2, pp. 457-466.

## PAPERS REVIEWED

TITLE : Experimental Study and Comparative Analysis of Modified Solar Paraboloidal Dish-Thermoelectric Generator Systems (Ms. No. ESPR-D-20-01611).
REVIWER : Chandan Kumar
JOURNAL : Environmental Science and Pollution Research (Springer), 2020

TITLE : Influence of Molecular Structure of Oleoresin-derived Compounds on Flame Properties and Emissions from Laminar Flames (Ms. No. ESPR-D-20-03847).
REVIWER : Chandan Kumar
JOURNAL : Environmental Science and Pollution Research (Springer), 2020

TITLE : A Computational Fluid Dynamics Study of

Condenser for Condensation of Bio. (IJRET-275060).
REVIWER : Chandan Kumar
JOURNAL : International Journal of Renewable Energy Technology (Inderscience), 2020.

TITLE : A Review on Renewable Energies and its Advantages on Hybrid Power Generation (IJESD-274810).
REVIWER : Chandan Kumar
JOURNAL : International Journal of Environment and Sustainable Development (Inderscience), 2020.

## GUEST LECTURE DELIVERED

TITLE : Management of the Data/References for Research
FACULTY : Ashish Nayyar
EVENT : 4th National Research Methodology Workshop
DATE : 21 May, 2020
ORGANIZED BY : Shri Jagdishprasad Jhabarmal Tibrewala University, Jhunjhunu (Raj.)

## WORKSHOPS ATTENDED

TITLE : CAD-CAM and Advanced Manufacturing
DATE : 2 March to 7 March, 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : Department of Mechanical Engineering, SKIT, Jaipur.

TITLE : Teacher's Training Workshop
DATE : 24February, 2020
ATTENDED BY : Dinesh Kumar Sharma, Naveen Kumar Sain
ORGANIZED BY : Rajasthan Technical University, Kota and JECRC, Jaipur (TEQIP III sponsored)

TITLE : Examination Reforms
DATE : 29 to 2 May, 2020
ATTENDED BY : Sudesh Garg
ORGANIZED BY : AICTE, New Delhi

TITLE : Recent Trends in Industrial Automation
DATE : 27 May, 2020
ATTENDED BY : Sudesh Garg
ORGANIZED BY : Swarnandhra college of Engineering & Technology, Andhra Pradesh

## WEBINARS ATTENDED

TOPIC : Beyond the Boundaries: Reinventing Horizons
ATTENDED BY : Brij Mohan Sharma, Praveen Saraswat, Dinesh Kumar Sharma, Vinay Singh Marwal, Monu Gupta, Namita Soni, Chandan Kumar
ORGANIZED BY : SKIT, Jaipur
DATE : 16 May to 20 May, 2020

TOPIC : Cross Skill Training- Need of Changing Industry
ATTENDED BY : Brij Mohan Sharma, Dinesh Kumar Sharma
ORGANIZED BY : PIET, Jaipur
DATE : 17 June, 2020

TOPIC : The New Normal in Education.
ATTENDED BY : Brij Mohan Sharma, Praveen Saraswat, Dinesh Kumar Sharma, Vinay Singh Marwal, Chandan Kumar, Monu Gupta, Namita Soni, Chandan Kumar
ORGANIZED BY : SKIT, Jaipur
DATE : 30 May, 2020

TOPIC : Effects of COVID-19 on Climate Change and Water Resources
ATTENDED BY : Brij Mohan Sharma, Chandan Kumar
ORGANIZED BY : PIET, Jaipur
DATE : 27 May, 2020

TOPIC : Design for Advance Manufacturing
ATTENDED BY : Praveen Saraswat
ORGANIZED BY : Oriental Group of Institutes, Bhopal, MP
DATE : 15 to 17 June, 2020

TOPIC : Net Zero Energy Building
ATTENDED BY : Praveen Saraswat
ORGANIZED BY : PCE, Jaipur
DATE : 3 June, 2020

TOPIC : Manufacturing of Advanced Composite Materials and their Applications
ATTENDED BY : Praveen Saraswat
ORGANIZED BY : Feroze Gandhi Institute of Engineering & Technology, Raebareli,
DATE : 9 June, 2020

TOPIC : My Journey and Product Design- A Passion and a Career, Mr Michael Foley, Founder, Foley Designs Private Ltd
ATTENDED BY : Vinay Singh Marwal
ORGANISED BY : Webinar Series by NPTEL Special Lecture Series
DATE : 3 May, 2020.

TOPIC : Emerging Trends in Mechanical Engineering
ATTENDED BY : Dinesh Kumar Sharma, Vinay Singh Marwal
ORGANISED BY : Dr. K.N. Modi University, Newai Jaipur
DATE : 8 to 12 June, 2020

TOPIC : Communication Skills for a Charismatic Leader, Dr. Rakesh Godhwani, IIM, Udaipur
ATTENDED BY : Vinay Singh Marwal
ORGANISED BY : Webinar Series by NPTEL Special Lecture Series
DATE : 27 May, 2020.

TOPIC : Introduction to Bird Watching as a Hobby and Science, Dr. Suhel Quader, Senior Scientist, Nature Conservation Foundation
ATTENDED BY : Vinay Singh Marwal
ORGANISED BY : Webinar Series by NPTEL Special Lecture Series
DATE : 27 May, 2020.

TOPIC : Future of Education: Post COVID- Prof. Rajendra Gupta.
ATTENDED BY : Vinay Singh Marwal
ORGANISED BY : Webinar Series by McGraw Hill
DATE : 9 June, 2020

TOPIC : Manufacturing of Advance Composite Materials and their Applications
ATTENDED BY : Vinay Singh Marwal
ORGANISED BY : Feroz Gandhi Institute of Engineering. & Technology, Lucknow (UP)
DATE : 18 June, 2020

TOPIC : Education for Generation Z Session: Make a Dent: Sprouting Innovation & Research
ATTENDED BY : Vinay Singh Marwal
ORGANISED BY : Manipal University, Jaipur
DATE : 13 June, 2020

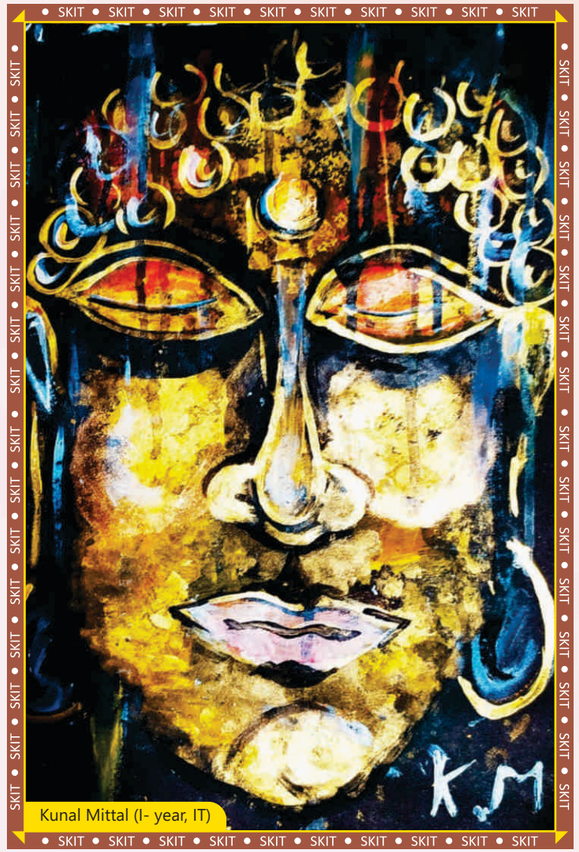
TITLE : Finite Element Modelling of Metal Forming Processes
DATE : 5 June, 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : Department of Mechanical Engineering, PCE, Jaipur.

TITLE : Back to Basics: Health, Happiness & Peace
DATE : 20 May, 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : SKIT, Jaipur.
TITLE : The Power of Collaboration: Research, Technology and Business
DATE : 19 May, 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : SKIT, Jaipur.

TITLE : Fly High: Innovation and Start-ups
DATE : 18 May, 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : SKIT, Jaipur.

TITLE : Effects of COVID-19 on Climate Change and Water Resources
DATE : 27 May, 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : Department of Civil Engineering, PIE, Jaipur.

TITLE : How to Utilize Design of Experiment for Assessing Quality Research
DATE : 19 June, 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : Department of Applied science, PIET, Jaipur.



Kunal Mittal (I- year, IT)

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## NATIONAL WORKSHOP (PDF 2K19)

A three day national workshop on "PCB Design and Fabrication (PDF2K19)" was organized by Department of Electronics and Communication Engineering, from September 19 to 21, 2019. Tutorial lectures based on PCB design and fabrication were delivered on the first day of the workshop. Prof. S. K. Bhatnagar delivered a lecture on "PCB Design Considerations, Design Rules and Fabrication Process", wherein he explained the various steps taken in PCB fabrication and the critical parameters associated with fabrication rules followed by a hands-on practical session on "PCB Circuit and Layout Design with the help of software". The sessions organized were: PCB Fabrication, Circuit Designing and Simulation on Proteus, and Visual Inspection and PCB Pre and Post Processing Tools.

Glimpses of National Workshop

Mr. V. Saravana Kumar (IAS), Director, Department of Science and Technology, Government of Rajasthan was the Chief Guest at the workshop. Mr Anil Saboo, Chairman & Managing Director of Elektrolites (Power) Pvt. Ltd, Jaipur and Prof. (Dr.) Vijay Janyani, Chairman, IEEE Rajasthan Subsection were the Guests of Honour. Mr. Jaipal Meel, Director SKIT, Prof. S.L. Surana, Director (Academics), SKIT, Prof. Ramesh Kumar Pachar, Principal, SKIT, Dr. S.K. Bhatnagar, Director (Research), SKIT, Dr. Mukesh Arora, Head, ECE Department also graced the occasion with their presence. The Chief Guest explained the importance of PCB in electronics and also briefed about the programmes run by the DST for students and researchers of technical institutes. Chief resource person Mr. U. Nagaraj, General Manager (Quality and Technical), Micropack Ltd, Bangalore, delivered the lecture on standards, test procedures for PCB, design, fabrication and testing issues of multilayer PCB. The workshop was coordinated by Mr. Pallav Rawal, and Mr. Ankit Agarwal, Assistant Professors.

## GUEST LECTURE BY PROF. ALESSANDRO UNDER THE OSA STUDENT CHAPTER

A guest lecture on "Principles of Bio Photonics" was held on July 2, 2019 under the umbrella of OSA Student Chapter of SKIT by Prof. Alessandro M Deana, Professor in Photonics and Bio-Photonics, at Universidade Nove de Julho, Sao Paulo, Brazil. Prof. Alessandro explained the fundamentals of bio photonics along with the scope of research in photo bio-modulator Faculty members, students of the department and all OSA members of Jaipur attended the session. Faculty mentors of the Chapter are- Dr. Monika Mathur and Dr. Rukhsar Zafar.

Lecture by: Pro. Alessandro

## ACHIEVEMENTS

1. Project entitled "Smart Street Lightning System with Automatic Switching and Intensity Control" from SKIT has been selected for the final round of the prestigious YESIST 12 challenge, organized at Stanford International University, Thailand on September 7 and 8, 2019. The event is organized b y Madras IEEE Education Society Chapter in partnership with IEEE entities, universities and leading technology companies. IEEE YESIST 12 is a coding and making the challenge.

2. Dr. Monika Mathur has been elevated as the "Senior Member" of IEEE society.

3. Anshul Kothari, student of VII semester ECE department, member of OSA, received a grant (2, 54,000/-) from the OSA to represent the OSA-SKIT Student Chapter in the "Student Leadership Program" at Washington.

## GRANT/ FUNDS RECEIVED

1. Dr. Monika Mathur Received A Grant From Aicte For Attending Uk-india Educational Research Initiative (ukieri) 2019. She Has Attended Three Workshops At Different Venues In India.

2. Dr. Monika Mathur Received A Research Grant (rs.2,40,000/-) From Teqiip-iii, Rtu, Kota Under The Collaborative Research Scheme(crs). The Topic Of Her Research Is "dual Band Implantable/ wearable Microstrip Antenna Designing For Breast Cancer Detection".



## PLACEMENT RELATED LIVE SESSIONS BY STUDENTS

ECE department organized a placement related live interactive session on 11 October, 2019 for 3rd year students to make them abreast with the practicality of placement process. The session was taken up by 4th year students who had recently qualified all levels of placement. They threw light on the process of technical and non-technical placements and gave guidelines about techniques of GD, preparing for reasoning test of each company separately, attending CRT classes and going through websites and applications that provide resources for preparation of these tests, etc. They also accentuated the importance of patience, pressure handling and calm attitude during interviews.

Live Session by Students on Placement Problems & Solutions

## EXPERT LECTURE ON "EXPECTATIONS OF CORPORATE SECTOR FROM FRESH ENGINEERS (STUDENTS)"

Mr. Akhilesh Chandra during the Session.

An expert lecture on "Expectations of Corporate Sector from Fresh Engineers (Students)" was held on 26 September 2019 under IEEE- MTT student chapter and IE student chapter by the ECE department. Shri. Surja Ram Meel (Chairman, SKIT) welcomed Mr. Akhilesh Chandra, Director (Executive Program & Career Services) from Taxila Business School. Mr. Akhilesh Chandra threw light on how the world of work is changing rapidly from 1G to 5G, from record player to pen drive and so on. He emphasized the importance of communication skills, soft skills, attitude and team work for a long-term success and talked about the expectations of industry from campus and gave tips to become a successful management professional. The session ended with a formal vote of thanks by Dr. Mukesh Arora.

## VISIT AT DAINIK BHASKAR PRINTING PLANT

An industrial visit was organized for III Sem. Students on September 24, 2019 by the Department to provide an experience about working of an Industry. Mr. Akshat (Manager, DB Corp.-Jaipur) welcomed the students, gave a brief introduction about DB Corp. and threw light about opportunities for engineers in the organization. Students got an opportunity to see how a blank paper turns into a newspaper, they learned and observed the entire process of printing, cutting, folding and packaging of the same.

SKITians at the Dainik Bhaskar Office

## TELECOM TRAINING CENTRE (RTTC)-BSNL,

A site visit to Regional Telecom Training Centre RTTC, BSNL Jaipur was organized by the Department on September 12 & 13, 2019 for IV Semester students. They were accompanied by faculty members Mr. Ravi Jangir, Mr. Harshal Nigam and Ms. Priyanka Sharma. After a formal welcome by the BSNL staff, the students were briefed about the concept of internet

Visit at RTTC-BSNL, Jaipur

connection provider, broadband, the fundamental concepts of internet NIB and telecom service providers TRAI, routers, FTTH (Fiber to the Home) etc. Joining of two optical fibers using splicing machine was practically demonsrated. After that the students visited the museum and saw the antiques related to the communication field and had a talk with the manager of RTTC, BSNL Jaipur.

## GENUS POWER INFRASTRUCTURE LIMITED & OMEGA ELECTRONICS

Tours and visits are considered to be most effective way of observing & learning the real working of the industries. They develop team spirit, co-ordination and mutual understanding among students. With this objective, an industrial visit for 3rd year students accompanied by faculty members Mr. Neeraj Jain, Ms. Kiran Rathi, Mr. Lalit Kumar Lata, Mr. Pallav Rawal and Ms. Pooja Choudhary was organized They visited Rajasthan Electronics and Instrumentation Limited on 9 December, 2019 Omega Electronics on 10 December, 2019 and Genus Power Infrastructure Limited on 16 December, 2019. There they got a lot of practical exposure about these industries.

## PARTICIPATION IN BOOTATHON: A VIRTUAL LAB DEVELOPMENT EVENT

A team of Faculty Coordinators Priyanka Sharma, Harshal Nigam and students of 3rd Sem. Udyan Srivastava, Ashwani Malav, Aaditya Priya Gautam & Vipul Gupta participated in 'Bootathon', a Virtual Labs Development event in coordination with IIT Bombay, IIT Delhi and IIT Kanpur supported by TEQIP-III at Government Engineering College, Banda, from 4 to 10 November, 2019. It included lab experiments on Design of Clipper and Clamper Circuits.

## INTERNATIONAL DAY OF LIGHT (IDL 2020) CELEBRATION (ONLINE)

The OSA Student Chapter, SKIT Jaipur celebrated the International Day of Light (IDL-2020) on 16 May 2020, in association with SPIE Student Chapter, MNITJaipur and OSA Student Chapter, MNIT Jaipur. In view of the Covid-19, the event was organized online on Google Platform and around 35 participants were shortlisted from 150 registered candidates. The day started with the glimpses of latest trends in optics in the daily walk of life, followed by an online quiz section for participants. The participants gave online presentations on recent topics. The winners of online PPTs and Poster Competition were awarded with exciting prizes.

The President of SPIE Student Chapter, MNIT Jaipur highlighted the benefits of joining SPIE student chapter. The members of the OSA Student Chapter of SKIT and MNIT also highlighted their significant activities during the event.

## UG STUDENT PROJECT "GREEN HOUSE EFFECT" SELECTED FOR THE "VISHWAKARMA AWARD 2019"

A UG Student Project "Green House Effect" has been selected at the Regional level for the "Vishwakarma Award 2019" by AICTE under the guidance of Dr. Monika Mathur.

**MANUSCRIPTS REVIEWED:**

- Dr. Monika Mathur reviewed the manuscripts for the following Journals:

1. International Journal of RF and Microwave Computer-Aided Engineering.
2. Journal of Electrical Engineering & Technology (Springer Publication).

- Dr. Monika Mathur was a peer-reviewer for International Conference - Optical and Wireless Technologies (OWT 2020).

## PEPERS PRESENTED IN CONPRENSES

TOPIC : Dual Band Antenna with Parasitic Patch for Satellite Applications
AUTHOR/S : Mr. Harshal Nigam, Dr. Monika Mathur, Dr. Mukesh Arora
CONFERENCE : IEEE International Conference on Information and Communications Technology 2019 at Yogyakarta, Indonesia, 24-25 July, 2019

TOPIC : Design of a Compact MIMO Antenna for RADAR Applications using DGS Technology
AUTHOR/S : Mr. Harshal Nigam, Dr. Monika Mathur, Dr. Mukesh Arora
CONFERENCE : International Conference on Artificial Intelligence: Advances and Applications 2019 in association with Springer, 28-29 June 2019 at PCE Jaipur.

## WORKSHOPS ATTENDED

TITLE : Two day Workshop on IPR for Women Researchers in Sciences
DATE : November 29 to 30, 2019
ATTENDED BY : Kiran Rathi, Pooja Choudhary
ORGANIZED BY : DST Rajasthan in collaboration with Patent Facilitation Center, TIFAC.
VENUE : BISR Jaipur

TITLE : UKIERI Phase-II Workshop
DATE : December 3 to 7, 2019
ATTENDED BY : Monika Mathur
ORGANIZED BY : AICTE
VENUE : Jodhpur, Rajasthan

## WORKSHOP ORGANIZED

TITLE : PCB Design and Fabrication (PDF-2k19)
DATE : September 19 to 21, 2019
ORGANIZED BY : Department of ECE, SKIT, M & G Jaipur.

## FACULTY DEVELOPMENT PROGRAMS ATTENDED

TITLE : Internet of Things: Education Canvas
DATE : November 9 to 20, 2019 (2 weeks)
VENUE : SKIT, Jaipur
ATTENDED BY : Mukesh Arora, Praveen Kumar Jain, Swati Arora, Vikas Pathak, Manju Choudhary, Ankit Agarwal, Pooja Choudhary.

TITLE : Methodologies and Challenges in Digital IC & Memory Design
DATE : December 11 to 15, 2019
VENUE : MNIT, Jaipur
ATTENDED BY : Vikas Pathak

## PAPERS REVIEWED

Reviewer : Dr. Monika Mathur
Journals : 1. International Journal of RF and Microwave Computer-Aided Engineering, Journal of Electrical Engineering & Technology (Springer Publication).
2. 13th IEEE International Conference-AICT2019, ADA University, Baku, Azerbaijan.
3. Global Journals Inc. (US).

## SESSION CHAIRED

SESSION IN : IEEE International Conference on Information and Communications Technology (ICOIACT) 2019, Yogyakarta, Indonesia, 24-25 July 2019
CHAIRED BY : Harshal Nigam
DATE & VENUE : Yogyakarta, Indonesia, 25 July 2019

## M.TECH. DISSERTATIONS COMPLETED

STUDENT NAME : Neha Sharma
GUIDED BY : Ankit Agrawal
DISSERTATION TITLE : Plant Disease Detection using GLCM and NAIVE Bayes Based Algorithm"

## NPTEL COURSES COMPLETED BY FACULTY

COURSE/ TOPIC : Analog Communications
COMPLETED BY : Abhinandan Jain
DURATION & CATEGORY : July to October 2019 (12 weeks). Awarded Elite Certificate

COURSE/ TOPIC : Digital Circuits
COMPLETED BY : Priyanka Sharma
DURATION & CATEGORY : July to October 2019 (12 weeks). Awarded Elite Certificate

COURSE/ TOPIC : Digital Circuits
COMPLETED BY : Richa Sharma
DURATION & CATEGORY : July to October 2019 (12 weeks). Awarded Elite Certificate

COURSE/ TOPIC : Digital Circuits
COMPLETED BY : Namrata Joshi
DURATION& CATEGORY : July to October 2019 (12 weeks). Awarded Elite Certificate

COURSE/ TOPIC : Internet of Things
COMPLETED BY : Pooja Choudhary
DURATION& CATEGORY : July to October 2019 (12 weeks). Awarded Elite Certificate

## NPTEL COURSE COMPLETED BY FACULTY

COURSE : Antennas
COMPLETED BY : Harshal Nigam
DURATION& CATEGORY : Jan. to April, 19 (12 weeks). Awarded Elite Certificate & Silver Medal

## WORKSHOP ATTENDED

TITLE : Basic Training Programme in Nano Science & Technology
DATE : May 14 to 16, 2019
ATTENDED BY : Praveen Kumar Jain
ORGANIZED BY : Supported by MHRD, Govt. of India and conducted at Centre for Nano Science and Engineering, Institute of Science, Bangalore.

TITLE : PCB Design & Fabrication (PDK 2K19)
DATE : 19 to 21 September, 2019
ATTENDED BY : Shanu Tripathi
ORGANIZED BY : SKIT Jaipur.

## FACULTY DEVELOPMENT PROGRAMMES (FDPs) ATTENDED

NAME : Praveen Kumar Jain
TITLE : Internet of Things (IoT)
DATE : 4 to 8 May,2020
VENUE : AICTE Training and Learning(ATAL) Academy

NAME : Praveen Kumar Jain
TITLE : NBA Accreditation of Engineering Programs
DATE : 11to 15 May, 2020
VENUE : NITTTR, Chandigarh

NAME : Praveen Kumar Jain
TITLE : Nano-materials and Devices
DATE : 27 April to 1 May, 2020
VENUE : NITTTR, Chandigarh

NAME : Praveen Kumar Jain
TITLE : Low Power VLSI Design
DATE : 20 to 24 April, 2020
VENUE : NITTTR, Chandigarh

NAME : Praveen Kumar Jain
TITLE : Internet of Things
DATE : 10 to 14 April, 2020
VENUE : NITTTR, Chandigarh

## ONLINE COURSES COMPLETED BY FACULTY

COURSE/ TOPIC : AI for everyone
COMPLETED BY : Harshal Nigam
DURATION : May-2020 (4 weeks)
CONDUCTED BY : Online Non-credit Course authorized by deeplearning.ai and offered through Coursera

COURSE/ TOPIC : Digital Manufacturing & Design
COMPLETED BY : Harshal Nigam
DURATION : May-2020 (2 weeks)
CONDUCTED BY : Online Non-credit Course authorized by University at Buffalo and The State University of New York and offered through Coursera

COURSE/ TOPIC : Introduction and Programming with IoT Boards
COMPLETED BY : Harshal Nigam
DURATION : May-June-2020 (5 weeks)
CONDUCTED BY : Online Non-credit Course authorized by Pohang University of Science and Technology, and offered through Coursera.

COURSE/ TOPIC : Learning Physics through Simple Experiments
COMPLETED BY : Praveen Kumar Jain
DURATION : 2 April to 10 June, 2020
CONDUCTED BY : IIT Kanpur

## WEBINARS ATTENDED

TITLE : Beyond the Boundaries: Reinventing Horizons
DATE : 16 to 20 May, 2020
ATTENDED BY : Dr. S.K. Bhatnagar, Dr. Mukesh Arora, Dr. Praveen K. Jain Dr. Monika Mathur, Ms. Kiran Rathi, Mr. Vikas Pathak, Dr. Swati Arora, Dr. Rukhsar Zafar, Ms. Mamta Jain, Mr. J.P.Vijay, Ms. Manju Choudhary, Ms. Rajni Idiwal, Dr. Shubhi Jain, Mr. Pallav Rawal, Ms. Priyanka Sharma, Mr. Neeraj Jain, Mr. Ankit Agarwal, Mr. Lalit Lata, Mr. Sunil Lakhawat, Ms. Namrata Joshi, Ms. Gloria Joseph, Mr. Harshal Nigam, Ms. Pooja Choudhary, Mr. Rahul Panday, Mr. Ravi Jangir, Mr. Abhinandan Jain
ORGANIZED BY : SKIT Jaipur.

TITLE : The New Normal in Education
DATE : 30 May, 2020
ATTENDED BY : Dr. S.K.Bhatnagar, Dr. Mukesh Arora, Dr. Praveen K. Jain Dr. Monika Mathur, Ms. Kiran Rathi, Mr. Vikas Pathak, Dr. Swati Arora, Dr. Rukhsar Zafar, Ms. Mamta Jain, Mr. J.P. Vijay, Ms. ManjuChoudhary, Ms. Rajni Idiwal, Dr. Shubhi Jain, Mr. PallavRawal, Ms. Priyanka Sharma, Mr. Neeraj Jain, Mr. Ankit Agarwal, Mr. Lalit Lata, Mr. Sunil Lakhawat, Ms. Namrata Joshi, Ms. Gloria Joseph, Mr. Harshal Nigam, Ms. Pooja Choudhary, Mr. Rahul Panday, Mr. Ravi Jangir, Mr. Abhinandan Jain
ORGANIZED BY : SKIT Jaipur.

TITLE : Meta-materials Based Leaky Wave Antenna
DATE : 3 June, 2020
ATTENDED BY : Harshal Nigam
ORGANIZED BY : IEEE MTT-S and AP-S Manipal University Jaipur, Student Branch Chapter.



# DEPARTMENT OF ELECTRICAL ENGINEERING

## EXPERT LECTURES DELIVERED

Dr. Dhanraj Chitara, Associated Professor, and Mr. Jitendra Singh, Assistant Professor of Electrical Engineering department delivered an expert lecture on Basic Electrical Engineering (BEE) on 26 & 27 August, 2019 at Govt. Engineering College Bharatpur. They discussed about basics of important topics like DC & AC Circuits, Transformer and Electrical Machines. Both the lectures were interactive and the student enjoyed the lectures.
Dr. Akash Saxena (Prof. & Head, Dept. of Electrical Engineering)

Glimpses of Expert Lectures

delivered an expert lecture on 'How to Write Research Paper in Research Journal' on 8 September 2019. About 120 students of III year from department attended this lecture. Dr. Saxena informed the students about the upcoming international conference and explained about the techniques of writing a good research paper for a conference or seminar.

## EXPERT LECTURE ON 'SIGNIFICATION OF SELECTION OF TECHNICAL PARAMETERS OF ELECTRICAL EQUIPMENT'.

An Expert Lecture on 'Signification of Selection of Technical Parameters of Electrical Equipment', was organized on 17 October 2019 by the department. Mr. B N Saini (Ex-Director, Rajasthan Rajya Vidyut Prasaran Nigam Limited) addressed the students about the significance of selecting technical parameters of various equipments.

## INTERNATIONAL CONFERENCE ON ENGINEERING OPTIMIZATION AND DATA SCIENCE (ICEODS-2019)

A two day International Conference on 'Engineering Optimization and Data Science (ICEODS-2019)' was organized on 11 & 12 October, 2019 at SKIT. The conference provided a platform to exhibit proven case studies and experimental findings in the field of Artificial Intelligence (AI) & Machine learning (ML). This conference played a prominent role in bridging the gap between two global knowledge antipodes, the academia and the industry. The well-known speakers from the related fields like Dr. Swagatam Das (Indian Statistical Institute, Kolkata), Dr. Jagdish Chandra Bansal (South Asian University, New Delhi), Dr. Aple Mahmood (Deakin University, Australia), Dr. Rajesh Kumar (MNIT, Jaipur) Dr. Jaishree Vajpeyi (MBM Engineering College, Jodhpur) addressed the participants in different sessions during the conference. Approximately 500 participants participated and 80 papers were presented in the conference.

Dignitaries in the International Conference

## FDP ATTENDED

TITLE : Data Analytics for Engineer and Researcher
DATE : August 26 to 30, 2019
VENUE : SKIT Jaipur.
ATTENDED BY : Ankit Vijayvargiya

## WORKSHOPS ATTENDED

TITLE : PCB Designing & Fabrication (PDF 2K19)
DATE : September 19 to 21, 2019.
VENUE : SKIT Jaipur
ATTENDED BY : Tarun Cheepa and Ankit Vijayvargiya

## M. TECH DISSERTATIONS COMPLETED

STUDENT NAME : Shubhra Jain
SUPERVISOR : Abhishek Gupta
DISSERTATION TITLE : PI Controlled SVPWM based Shunt Active Power Filter for Hybrid/Mixed Load

STUDENT NAME : Upma Bhatnagar
SUPERVISOR : Abhishek Gupta
DISSERTATION TITLE : Application of Grey Wolf Optimization in Order Reduction and Speed Control of DC Motor

## FACULTY DEVELOPMENT PROGRAM ATTENDED

TITLE : Power System Dynamics and Voltage Stability Studies (PSDVSS)
ATTENDED BY : Avadhesh Kumar Sharma
ORGANISED BY : TEQIP III, RTU Kota, Jaipur Engineering College, Kukas

# DEPARTMENT OF CIVIL ENGINEERING

## EXPERT TALK BY ER. SHIVRAJ DHAKA

Expert talk by Er. Shivraj Dhaka

An Expert Talk on 'Introduction to Green Buildings' was delivered in the department by Er. Shivraj Dhaka (Counsellor, Indian Green Building Council) in association with Student Chapter of Indian Concrete Institute (ICI) and Indian Building Congress (IBC).

## TRANSPORTATION ENGINEERING

An orientation program for the first batch of M. Tech. in Transportation Engineering was conducted in association with Student Chapter of Indian Concrete Institute (ICI) on 03 August, 2019. The event was graced by Er. Vikas Dixit (President, PWD Engineering Association, Raj.), Er. B.L. Rawat (CGM, CEG), Er. Akhilesh Gupta (SE, PWD), Er. Vinay Gehlot (Chairman, ICI-RSC), and Er. C.M.Raj Mathur (DGM, RSRDC).

Felicitation of Er. Vikas Dikshit

The programme began with a cordial welcome of the guests by Prof. S.L. Surana (Director-Academics), Ms. Abba Meel (Advisor), Dr. Ramesh K Pachar (Principal), Mr. L.N. Datt (HOD, CE) and Dr. Mukesh Gupta (Coordinator, M. Tech. SKIT). The welcome speech delivered by the Director Academics was followed by a motivation talk by Er. Vikas Dixit. Er. B.L. Rawat shared his field experiences regarding Transportation Engineering and threw light on the scope of specialization in Transportation Engineering.

## CIVIL ENGINEERING QUIZ COMPETITION

The department organized a quiz competition for II and III year students on the topic "Building Material and Construction" on 17 September, 2019. More than 125 students enthusiastically participated in this competition. The winners of this quiz were – Ms. Harshita Gehlot (Rank-I), Mr. Sumek Meena (Rank – II) and Mr. Mateen Ahmed and Kuldeep (Rank – III).

## ENGINEER'S DAY CELEBRATION

The department, in collaboration with Indian Concrete Institute and Indian Building Congress, organized an expert lecture on "Non Destructive Testing" by Er. Sunil Goyal (Founder, Prime Tech Design Consultants). The lecture focused on the maturity method of testing which is not widely used in India. Engineers from government bodies Er. Manish (JDA), Er. Sanjay Mathur (NWR), Er. Naresh Suhag (CPWD) were felicitated for their help during the in-house summer internship program.

## TWO DAY WORKSHOP ON REVIT ARCHITECTURE

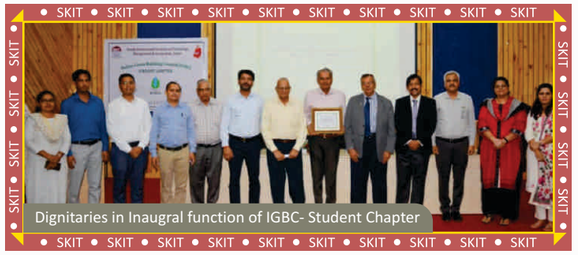
Glimpses of the Workshop

Department of Civil Engineering organized a two day workshop on Revit Architecture on 9-10 October 2019 to make students ready for the industry. This is the latest software widely used in the industry. More than 30 students were given training by experts Mr. Vikas Jain and Mr. Mrapul from Staple CAD.

## INAUGURATION OF IGBC – STUDENT CHAPTER

The Student Chapter of Indian Green Building Council (IGBC) was launched at SKIT. The event was graced by the presence of dignitaries like Mr. Jaimni Uberoi (Chairman, IGBC-Jaipur Chapter), Mr. K.S. Venkatagiri (Executive director, CII-IGBC), Dr.





Dignitaries in Inaugral function of IGBC- Student Chapter

Shivraj Dhaka (Counsellor, CII - IGBC), Mr. Yasin Khan, Mr. Surja Ram Meel (Chairman, SKIT), Mr. Jaipal Meel (Director, SKIT), Dr. R. K. Pachar (Principal, SKIT), Mrs. Rachna Meel (Registrar, SKIT) and Mrs. Abba Meel(Advisor, SKIT). The event was followed by a tree plantation drive.

## BEST PAPER AWARD

Mr. Saurabh Singh of Civil Engineering Department was awarded with Shri. S. P. Unvala Memorial Prize for the best research paper written on "Life Cycle Cost Assessment of Different Sewage Treatment Technologies: A Case Study". The paper was published in July-September 2018 issue of Indian Water Works Association Journal. He was presented with the certificate at the annual convention at NIT, Patna on 10 – 12 January, 2020.

Felicitation of Ms. Priyanka Meena (Alumnus 2018)

## AIR 184 IN ENGINEERING SERVICES EXAM

It is a matter of great pride for us that Ms. Priyanka Meena, alumnus of 2018 batch Civil Engineering Department, SKIT secured AIR 184 in Engineering Services exam in her first attempt. SKIT family extends heartiest congratulations to her on her grand success.

## SITE VISITS FOR III YEAR STUDENTS

In order to give practical exposure, the students of Civil Engineering III year visited various construction sites in the city under the guidance of the department. The sites included ROB in Sitapura, Sewage Treatment Plant in Ajmer, Vrinda Gardens in Jagatpura and Royal Ensign II at C' Scheme, Jaipur. During the visit, the students were given guidance and all their queries were answered by the site engineers.

## IN-HOUSE SUMMER INTERNSHIP PROGRAM CONDUCTED (Online)

In view of the current situation of COVID-19, Rajasthan Technical University issued guidelines related to Summer Internship of students. In these guidelines, the students were not permitted to do on-site training. They were allowed to do online internships or online courses. In view of that, Civil Engineering Department also started an online summer internship program for our students in which students were taught various software and topics which were related to site and necessary in context with the practical knowledge of the students.

As per the guidelines related to Summer Internship of students, Civil Engineering Department conducted an online summer internship program in which students were taught about various software and topics related to site in order to provide practical knowledge to the students.

## WEBINAR ON UNDERSTANDING CEMENT TEST REPORTS"

Department of Civil Engineering, in collaboration with JK Super Cement, organized a Technical Webinar on "Understanding Cement Test Reports" on 13th May 2020. The lecture was delivered by Er. Pawan Y. Sethi (Zonal Head, JK White Cement Ltd.). More than 100 students attended the webinar which was organized on Google Meet platform. These kinds of webinars help the students to improve their technical skills during lockdown as well. All the attendees were provided with e-certificates by JK Cement Group.

## PAPER PRESENTED

TITLE : GIS Based Assessment of Satellite Town of Jaipur City for Sub Urban Planning
PRESENTED BY : Deepak Sharma
CONFERENCE : International Conference on Inter-disciplinary Academic Research and Innovation – (IARI-19)
DATE : 30 November 2019, Goa

## FDP ATTENDED

TITLE : Advanced Traffic Engineering, Signal System
DATE : 18 to 22 June, 2019
VENUE : Sri Balaji College of Engineering and Technology, Jaipur
ATTENDED BY : Dr. Pradeep Gautam

TITLE : Green Buildings: An Initiative of Civil Engineers to Save the Environment
DATE : 25 to 26 June, 2019
VENUE : Global Institute of Technology, Jaipur
ATTENDED BY : Priyanka Gupta

TITLE : Green Buildings: An Initiative of Civil Engineers to Save the Environment
DATE : 25 to 26 June, 2019
VENUE : Global Institute of Technology, Jaipur
ATTENDED BY : Pankaj Gupta

TITLE : Green Buildings: An Initiative of Civil Engineers to Save the Environment
DATE : 25 to 26 June, 2019
VENUE : Global Institute of Technology, Jaipur
ATTENDED BY : Saurabh Singh

TITLE : Green Buildings: An Initiative of Civil Engineers to Save the Environment
DATE : 25 to 26 June, 2019
VENUE : Global Institute of Technology, Jaipur
ATTENDED BY : Akash Johari

TITLE : Data Analytics for Engineers and Researchers
DATE : 26 to 30 August, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Lalit Kumar Gupta

TITLE : Data Analytics for Engineers and Researchers
DATE : 26 to 30 August, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Anirudh Mathur

TITLE : Data Analytics for Engineers and Researchers
DATE : 26 to 30 August, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Deepak Sharma

## WORKSHOPS ATTENDED

TITLE : Scilab Workshop
DATE : 4 May, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Akash Johari

TITLE : Scilab Workshop
DATE : 4 May, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Pooja Jain

TITLE : Virtual Lab, IIT Delhi
DATE : 6 April, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Kishan Lal Jain

TITLE : Virtual Lab, IIT Delhi
DATE : 6 April, 2019
VENUE : SKIT, Jaipur
ATTENDED BY : Ajay Kumar Gautam

## NPTEL COURSES COMPLETED

TITLE : Soil Mechanics/Geotechnical Engineering – I
COMPLETED BY : Nishant Sachdeva
DURATION : January to April 2019 (12 week course), Awarded ELITE Certificate

TITLE : Geotechnical Engineering II/Foundation Engineering
COMPLETED BY : Akash Johari
DURATION : January to April 2019 (12 week course)

TITLE : Soil Mechanics/Geotechnical Engineering – I
COMPLETED BY : Saurabh Singh
DURATION : January to April 2019 (12 week course)

TITLE : Hydration and Porosity
COMPLETED BY : Saurabh Singh
DURATION : January to March 2019 (8 week course)

## EXPERT LECTURES DELIVERED

TITLE : Advance Test on Hot Mix Asphalt
DELIVERED BY : Dr. Pradeep Gautam
VENUE : MNIT. Jaipur
DURATION : 19 September, 2019

## NPTEL COURSES COMPLETED

TITLE : Geotechnical Engineering Laboratory
COMPLETED BY : Nishant Sachdeva
DURATION : July-Dec 2019



# DEPARTMENT OF MANAGEMENT STUDIES

## NATIONAL SEMINAR ORGANISED ON FOREIGN TRADE POLICIES & PROCEDURES

Department of Management Studies organized a National Seminar on Foreign Trade Policies & Procedures on 13 August 2019 in association with Directorate General of Foreign Trade (DGFT). Shri. C.K. Mishra, JT. DGFT, the main resource person, talked about the three crucial parts of Foreign Trade - Six Step Export Procedure, Major agencies involved in exports, and DGFT's Support Mechanism and Foreign Trade Policy 2015-20. Then, Mr. Satish Raina, I/C EDI informed about forthcoming E-Governance initiatives like online issuance of Export Obligation Discharge Certificate (EODC), message exchange with Ministry of Corporate Affairs for CIN, DIN and CBDT and PAN. After that Mr. Bhupinder Singh from Federation of Indian Export Organization threw light on the assistance being provided to Indian entrepreneurs and informed the participants about Export Promotion Councils and motivated them to think on the lines of becoming an exporter. Dr. Maneesha Kaushik, Convenor held the view that the knowledge of foreign trade policies is extremely crucial for the budding managers.

## SHUBHARAMBH: EMPOWERING FUTURE MANAGERS"

A 3-day orientation programme, "Shubharambh: Empowering Future Managers" was organized by the department from August 8 to 10, 2019. The dignitaries present on the occasion wereMs. Hema Chawla, Director. I- Create, Jaipur, Prof. S. L. Surana, Director (Academics), Prof. Ramesh Pachar, Principal. Initially, Dr. Savita Choudhary, briefed the gathering about the resources, activities and future plans of DMS. Prof. S. L. Surana called upon the students to adopt focused and disciplined approach in life for success and highlighted how positive attitude can inculcate leadership qualities and take students to heights. Prof. Ramesh Pachar briefed the students about SKIT and various facilities available in the institute. In her inaugural address, Ms. Hema Chawla, emphasized on taking challenges, promoting innovations and motivated the students

to be a job creator, not a job seeker. On the second day Prof. S. K. Mathur conducted a session on "Skill Set required for a Successful Managerial Career" in which he motivated the students by presenting the realities of the student life in B-

Glimpses of Shubharambh

Schools and enlightened the students about the duties and responsibilities of a manager/ entrepreneur. Then, an industrial visit to 'Jaipur Rugs' was arranged for the students which was a good learning experience for them. On the last day, Dr. Neha Purohit, Head, Department of English, held a session on "Crucial Conversation: Some Tips for Future Managers". Some Ice-breaking activities and Team Building games were conducted for students by Ms. Priyanka Payal in which the students enthusiastically displayed their team building and interpersonal skills. Another 'learning by doing' activity on "Marketing Mania: Power to Showcase the Sales Quality" was conducted by Dr. Maneesha Kaushik. Some other sessions included 'Strengthening Reading Habits' and a presentation on various Learning Resources of SKIT. Later, Prof. Harminder Singh Multani briefed the students about the job market and corporate expectations in his session on "Positioning Yourself in the Corporate World". The students showed their skills in an extempore session conducted by Dr. Atul Gupta. The orientation programme was coordinated by Dr. Atul Gupta.

## AAGHAZ-E-AARAMBH(FRESHER'SPARTY) ORGANIZED

Glimpses of Aaghaz

*Aaghaz-e-Aarambh* (Fresher's Party) was celebrated in the department with great zeal and enthusiasm to welcome the newly inducted MBA students on 7 September, 2019. The occasion provided the participants to showcase their skills in various activities and competitions. It was a successful event wherein the following students were selected as:

| | | |
|---|---|---|
| Mr. Fresher | - | Gaurav Bhagat |
| Miss Fresher | - | Nikita Bhatia |
| Mr. Perfect | - | Ashutosh Singhal |
| Miss Elegant | - | Shweta Nirwan |
| Mr. Handsome | - | Sachin Saxena |
| Miss Beautiful | - | Kritika Gupta |

## NATIONAL SEMINAR ON FINANCIAL LITERACY AND INVESTOR AWARENESS

A National Seminar on "Financial Literacy and Investor Awareness" was organized by DMS, SKIT on 25 September, 2019, in collaboration with Ministry of Corporate Affairs and ICAI under the aegis of Investor Education and Protection Fund (IEPF). The seminar began with a welcome note by Dr. Ravish Pandey (Convener). Main themes of the program were: to spread financial literacy and knowledge of financial markets; impart education and create awareness among various segments of society; educate investors of their rights and responsibilities; spread knowledge of power of compounding, risk and reward relationship and information about Mutual Funds, Post Office Schemes, PPF, Chit Funds, Ponzi Schemes etc. In the first session, Veer Jain, CA, appointed by Ministry of

Veer Jain, CA, Addressing during the Seminar

Corporate Affairs and ICAI, enlightened students about the basic concepts underlying the management of money and monetary assets, planning and implementing the financial decisions which include the ability to discern financial choices, plan for the future, and respond competently to life events that affect every day financial decisions, including events in the general economy. In the second session, Dr R.K. Tailor elaborated about importance of artificial intelligence in financial and business world. His money-spinning style of passing the knowledge and ideas of planning & decision in investment avenues was well received by the participants. The Seminar concluded with valedictory session wherein the certificates were distributed to all the participants. Dr. Ona Ladiwal proposed a vote of thanks.

## ONE DAY NATIONAL SEMINAR ON DYNAMICS FOR FUTURE SUCCESS

A one day National Seminar on "Dynamics for Future Success", sponsored by Chankya Academy, was organized by Department of Management Studies, on 8 August, 2019. The key note speakers of the seminar were IPS officers Ms. Ilma Afroz and Mr. Rushan Kumar. The seminar started with a welcome note by Dr. Atul Gupta and Dr. Savita Choudhary. Thereafter Prof. S.L. Surana, Director (Academics) and Mr. Jaipal Meel, Director, SKIT discussed the concept of self-confidence, self-motivation and value system. Ms. Ilma Afroz enlightened the students about importance of self-esteem, role of discipline, communication and positive attitude in life through case studies.

IPS officers Mr. Rushan Kumar and Ms. Ilma Afroz addressing during the Seminar

She discoursed on how transformation of a raw material (student) to finished product (corporate ready talent) can only be possible if efforts are put on right domain. Mr. Rushan Kumar urged the young 'to be leaders' to believe in themselves and to treat both success and failure as experiences and draw lessons from them. Ms. Hema Chawla, Director, I-Create, Jaipur, stressed that getting a job should not be the sole focus of the students but rather they should look for creating new opportunities. The seminar concluded with valedictory session and certificates distribution to the participants. Dr. Rohit Mukharjee, Professor, SKIT proposed a vote of thanks.

## PARTICIPATION IN INTERNATIONAL HR CONCLAVE

Dr. Ravish Pandey and Ms. Priyanka Payal (coordinators) and 72 students of the department participated in the international HR conclave held on 14 September, 2019 at VGU and VIT Campus, Jaipur. Three panel discussions were conducted in the conclave. The first panel on 'Startups and HR Culture' was addressed by Mr. Vaibhav Jain, Mr. Garvit Viash, Mr. Aravind Warrier, Mr. Chandrasekhar Chenniappan, and Ms. Ekta Nath. They opined that effective human capital is critical to an organization's success and that the HR functions must be more strategic. In the second panel, Ms. Uma Rao, Ms. Teena Das, Mr. Sanjiv Dutta, Mr. Subarta Das, Mr. Hemant Faujdar, Prof Mahendra Choudhury discussed about 'Trends in Talent Acquisition in different Industrial Sectors'.



The last panel, addressed by Mr. Sanjay Nagpure, Mr. Parag Bhaskar, Mr. Esha Choudhury, Ms. Sonika Talwar, Ms. Vanita Bhanotand Mr. Abhishek Sharma, was on 'It is time to connect the dots from Gen X to Gen Z'. The conclave focused on key competencies like Change Management, New Age of Thinking, Needs to Upgrade Competencies which are crucial for enduring success.

## VISIT TO JAIPUR RUGS COMPANY PVT. LTD

An industrial visit to "Jaipur Rugs Company Pvt. Ltd" was organized for the MBA students on 9 August, 2019. Dr. Atul Gupta and Ms. Priyanka Payal were the faculty coordinators for the visit. Ms. Jasleen Sehgal, Assistant Manager- Marketing,

welcomed the faculty and students for visit and presented a brief and glorious history of the company how it became the only Indian brand to bring home GDA awards consecutively for three years. After the corporate presentation, students visited the operational area of the industry and witnessed different types of the latest carpets made by Jaipur Rugs. The students got an exposure about the real working environment and the method of work done in an organization.

## INDUSTRIAL VISIT TO CLAY CRAFT INDIA

SKITians at Clay Craft India

Department of Management Studies organized an industrial visit on 12 October, 2019 to "CLAY CRAFT INDIA" in Vishva Karma Industrial Area (VKI) Jaipur. Dr. Maneesha Kaushik and Dr. Ravish Pandey were the faculty coordinators for the visit. Mr. R. B. Sharma welcomed the faculty and students for the visit, and shared the glorious history of Clay Craft India. After the initial note, students moved ahead to operational area of industry where they observed the infrastructure, environment friendly kilns, supported with automatic & semi-automatic machines, delivering around 75000 pieces daily to its customers. Mr. Sharma informed about the Quality Assurance and CSR policy of the company.

## INTERNATIONAL CONFERENCE ON STARTUP VENTURE: TECHNOLOGICAL DEVELOPMENT & FUTURE TRENDS.

Department of Management Studies, SKIT organized an International Conference on Startup Venture: Technological Development & Future Trends on 18 January 2020,with an aim to provide an open forum for the researchers, academicians, practitioners, startup ventures and technocrats in academia as well as industries from different parts of the world to interact, exchange concepts, prototypes, innovative research ideas and share the outcomes of their research work which could contribute to the academic arena and further benefit the business and industrial community, and society as a whole. Dr. Maneesha Kaushik, (Convener), said that the knowledge of startup ventures is extremely crucial for the budding managers as well as for the development of our nation. Mr. Aashish Chandra, Professor at Houston University, talked about the two crucial aspects which encompassed Startup Ventures: Start with having a problem solving idea that is exciting, effective and feasible, and Importance of Hard-working management in a startup that knows how to bring the best in their employees.

Glimpses of the International Conference

Dr. Kishore Kumar Sadasivuni, from Qatar University, addressed various issues and opportunities in startup marketing, as an integral component of a company development as they help a new business establish an individual brand identity for a long term. He also emphasized on the importance of innovation in startup as it simply provides an edge over its competitors and helps them become and sustain their lead in the market. Dr. Badrul Hissam Ahmad, University Teknical Malasia, addressed on the reasons of a startup failure, emphasizing on the significance of planning on the performance of any venture. Mr. Himanshu Goel, Chairman of SRNG Group and Charted Accountant, talked about the importance of the right team and the spirit of team work in a startup. He also shared his own entrepreneurial journey of how he started his venture and motivated the participants to create their own plans for the startup. Mr. Nirjhar Goyal, Director and Founder of Teoler Education Services, addressed the students about the importance of startup education for the entrepreneurs. In the conference, a poster presentation competition on the themes and sub themes of the conference was also organized In the end, Dr. Ona Ladiwal, Associate Professor, DMS thanked all the dignities for effective participation in the International Conference and making it a great success.

## 'DEMYSTIFYING BUDGET': PANEL DISCUSSION ON UNION BUDGET 2020

The union budget is extremely important in India and is presented in the backdrop of the economic survey, productivity, a complete picture of the Indian Economy. In order to motivate the learning of the students and other participants, the Department of Management Studies organized a Panel Discussion on "Union Budget-2020" on 6 February, 2020 under the title "Demystifying Budget" in association FORTI Women Wing. The Panelist were: CA. Deepika Agarwal, Entrepreneur and Early Stage Investment Advisor; Ms. Payal Chaudhary, Owner of the Dainik Navjyoti; Ms. Nevadita Sarda, Lawyer. Ms. PriyankaPayal gave the opening note and welcomed the panelists. The Panel Discussion started with explaining the two important parts of the budget - the expenditure by government in the coming year and the strategy of the government to sustain the expenditure. The sectors covered for expenditure were: Agriculture, Infrastructure, Industry and Social security.

Distinguished guests discussing the Union Budget-2020

The government strategy to sustain the expenditure covered: Taxation, Custom duties, Balance of payments, Balance of trade etc. All the panelists discussed about the 16 points pointed out by our finance minister on agriculture. Similarity they come up with two more concept; caring for sustainable development and social security. The MSME sector was also discussed. Talking about economic slowdown, it was found that the money in the market is very tight with very little liquidity which affects the MSME. The panel discussion concluded with the thought of Aspirational India, Economic development and Caring society. At the end Dr. Ravish Pandey gave the vote of thanks.

## INDUSTRY VISIT TO BHAMASHAH TECHNO HUB

About 45 students along with faculty members Dr. Maneesha Kaushik and Priyanka Payal visited the Bhamashah Techno Hub (BTH), Jaipur on Thursday, 13th February, 2020. On reaching the Bhamashah Techno Hub, the students were given a brief introduction about the Bhamashah Techno Hub in the main building. The hub of several startups has more than 250 engineers and staff members who have their own unique

Glimpses of the International Conference

startups in the field of technology. The BTH building comprises 8 floors, each level with different zones in the world of science and with numbers of engineers and their unique startups. The students explored the startups with the help of their incubators. The BTH offers free space, connectivity, easier funding, mentorship and exposure to the startup. In an interaction session, the students had all their queries answered by the expert mentors there like - how a startup gains funds? What are the different stages of a startup? The BTH comprised sleeping pods which attracted the students a lot and they explored it thoroughly. It also has a techno based sand zone; a game zone which has a Rebo Soccer in which a robot plays soccer with other robots. Self-Kiosk gave some new idea about the future technology. The entire visit was informative, interesting and successful. MBA students learned to arrange source for startup and also generated some new and unique ideas for startup in future.

## FACULTY DEVELOPMENT PROGRAM ATTENDED

TITLE : Competency Building and Enhancement in Higher Education
DATE : December, 20-21, 2019
ORGANIZED BY : S.S. Jain Subodh P.G. Mahila Mahavidhyalaya and ICFAI Business School, Jaipur
ATTENDED BY : Ona Ladiwal, Atul Gupta, Ravish Pandey

## PROGRAM ATTENDED

TITLE : Two Days Workshop on Research Methodology
DATE : November 7 to 8, 2019
ORGANIZED BY : Jaipuria Institute of Management, Jaipur
ATTENDED BY : Priyanka Payal

## NPTEL COURSES COMPLETED

NAME : Priyanka Payal
TOPIC/SUBJECT : Academic Writing
DURATION : 15 Week July –October-2019-87%

NAME : Priyanka Payal
TOPIC/SUBJECT : Introduction to Managerial Economics
DURATION : 6 Weeks, 2019

NAME : Maneesha Kaushik
TOPIC/SUBJECT : Leadership
DURATION : 4 Weeks, 2019

## PAPERS PRESENTED

TITLE : A Study of Major Power Projects in Rajasthan
AUTHOR : Priyanka Payal
CONFERENCE : 2nd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019) on 7-9 November, 2019
ORGANIZED BY : Department of Mechanical Engineering, SKIT, Jaipur

TITLE : Development v/s Environment Preservation Conundrum: Issues and Challenges
AUTHOR : Priyanka Payal
CONFERENCE : Entrepreneurship and Management: Challenges, Issues and Opportunities in the Global Economy on 9 November 2019
ORGANIZED BY : Vivekananda Global University, Jaipur, Rajasthan

TITLE : Review of Tourism Industry in Rajasthan in relation to Allocation and Utilization of Funds by the Government
AUTHOR : Priyanka Payal
CONFERENCE : Entrepreneurship and Management: Challenges, Issues and Opportunities in the Global Economy on 9 November 2019
ORGANIZED BY : Vivekananda Global University, Jaipur

## PAPERS PRESENTED IN CONFERENCES / SEMINARS

TOPIC : A Study of Level of Organizational Role Stress in Education Institutions.
AUTHOR/S : Savita Choudhary
CONFERENCE : International Conference on Rethink, Restrict, Restructure and Reinvent: The Sustainable Development Prospective organized by St. Xavier's College, Jaipur. (7 to 8 February, 2020)

TOPIC : Digital Marketing as a Tool of Business Growth
AUTHOR/S : Ona Ladiwal
CONFERENCE : Sustainable Development Goals 2030: Ideas & Innovations for Better Tomorrow organized by St. Wilfred's PG College, Jaipur & GEDY, Delhi. (17 to 18 January, 2020)

TOPIC : The Impact of Social Media Marketing on Unorganized Sector.
AUTHOR/S : Atul Gupta
CONFERENCE : Sustainable Development Goals 2030: Ideas & Innovations for Better Tomorrow organized by St. Wilfred's PG College, Jaipur & GEDY, Delhi. (17 -18, January, 2020)

TOPIC : Skills Development Requirement in Indian Tourism Sector for Better India
AUTHOR/S : Priyanka Payal
CONFERENCE : International Conference on Rethink, Restrict, Restructure and Reinvent: The Sustainable Development Prospective organized by St. Xavier's College, Jaipur. (7 to 8, February 2020)

TOPIC : A Study of Role of Power Sector in Economic Development of Rajasthan.
AUTHOR/S : Ravish Pandey
CONFERENCE : Sustainable Development Goals 2030: Ideas & Innovations for Better Tomorrow organized by St. Wilfred's PG College, Jaipur & GEDY, Delhi. (17 to 18 January, 2020)

TOPIC : Artificial Intelligence in Human Resources: An Approach towards Reducing the Carbon Foot Print
AUTHOR/S : Ravish Pandey, Jyoti Jain.
CONFERENCE : International Conference on Prospects and Challenges Faced by Industries in a Changing Environment organized by Poornima University Jaipur. (14 to 16 February, 2020)

TOPIC : Consumer Psychology: A Study of Buying Behavior of Youngsters in Rajasthan in Relation to Organized Retail
AUTHOR/S : Ravish Pandey, Tanu Yadav
CONFERENCE : International Conference on Prospects and Challenges Faced by Industries in a Changing Environment organized by Poornima University Jaipur. (14 to 16 February, 2020)

TOPIC : Relationship between Organization Role Stress and Working Age Group.
AUTHOR/S : Ravish Pandey
CONFERENCE : Research Conclave "Industry 4.0:

Management Challenges and Opportunities organized by G.L. Bajaj Institute of Management and Research, Noida. (22 February, 2020)

TOPIC : Analysis of Customer Satisfaction in relation to E- Banking Services in Rural Area of Southern Rajasthan.
AUTHOR/S : Ravish Pandey, Shalini Mehta
CONFERENCE : Virtual International Conference on Projection of Global Trends Post the Pandemic Control organized by Arihant College Indore (M.P.) Jointly Organized by University of Trunojoyo, Indonesia in Collaboration of Global Research Foundation, Delhi. (6 June, 2020)

## FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

TITLE : National Online FDP/ MDP on " Research Methodology: Tools & Techniques" DATE: 29 to 31 May, 2020
VENUE : IRA & LBS P.G. College, Jaipur (Online YouTube channel)
ATTENDED BY : Ravish Pandey

## WEBINARS ATTENDED

TOPIC : Beyond the Boundaries: Reinventing Horizons
ATTENDED BY : Savita Choudhary, Ona Ladiwal, Atul Gupta, Priyanka Payal, Ravish Pandey
ORGANIZED BY : SKIT, Jaipur
DATE : 16 to 20 May, 2020

TOPIC : The New Normal in Education
ATTENDED BY : Atul Gupta
ORGANIZED BY : SKIT, Jaipur
DATE : 30 May, 2020

TOPIC : Personal Financial Management
ATTENDED BY : Atul Gupta
ORGANIZED BY : Sky Campus, ICT Academy
DATE : 20 May, 2020

TOPIC : Accelerating Industry 4.0- A post Covid Paradigm
ATTENDED BY : Atul Gupta
ORGANIZED BY : Sky Campus, ICT Academy
DATE : 20 May, 2020

TOPIC : Accelerating Industry 4.0- A post Covid Paradigm
ATTENDED BY : Atul Gupta
ORGANIZED BY : Sky Campus, ICT Academy
DATE : 25 May, 2020

TOPIC : Stay Relevant for Future Jobs
ATTENDED BY : Atul Gupta
ORGANIZED BY : SKIT, Jaipur
DATE : 17 June, 2020

TOPIC : Future of Education
ATTENDED BY : Atul Gupta
ORGANIZED BY : Sky Campus, ICT Academy
DATE : 18 June, 2020

TOPIC : Trends in Education & Business: Managers for the New Normal
ATTENDED BY : Atul Gupta, Ravish Pandey
ORGANIZED BY : Vivekanand Global University, Jaipur
DATE : 29 to 31 May, 2020

TOPIC : Improving the Skill Set & Changing the Attitude
ATTENDED BY : Atul Gupta
ORGANIZED BY : Sky Campus, ICT Academy
DATE : 5 June, 2020

TOPIC : Importance of Skill Education & Entrepreneurship
ATTENDED BY : Atul Gupta
ORGANIZED BY : Sky Campus, ICT Academy
DATE : 2 June, 2020

TOPIC : National Webinar on Impact of Covid- 19 on Global Economy
ATTENDED BY : Ravish Pandey
ORGANIZED BY : IRA, Jaipur
DATE : 15 May, 2020

## ONLINE COURSES COMPLETED BY FACULTY

COURSE/ TOPIC : Advanced Writing
COMPLETED BY : Priyanka Payal
DURATION& CATEGORY : May-June, 2020 (4 weeks). Grade Achieved: 92.0% University of California, Irvine

COURSE/ TOPIC : Excel Skills for Business: Essentials
COMPLETED BY : Priyanka Payal
DURATION & CATEGORY : May-June, 2020 (6 weeks). Macquarie University, Australia

COURSE/ TOPIC : The Fundamentals of Digital Marketing
COMPLETED BY : Ravish Pandey
DURATION & CATEGORY : 40 hours, Offered by Google Digital Garage. 2020



# DEPARTMENT OF CHEMISTRY

## NATIONAL CONFERENCE ON "NEWER AVENUES IN THE FIELD OF CHEMICAL SCIENCE"

Department of Chemistry in association with Society for Promotion of Education and Science (SPES), Delhi organized a two day National Conference on "Newer Avenues in the Field of Chemical Science" from 14 to 15 February 2020. More than 250 participants, including faculty members, research scholars and student attended/presented research papers in this conference. The conference received a good response in the form of pan India participation.

The Inaugural Session began with the lamp lighting and Mr. Jaipal Meel(Director, SKIT) welcoming the august gathering. Prof. S.L. Surana addressed the gathering about SKIT and importance of research in chemistry. Prof. Archana Saxena (Convenor) acquainted the delegates with the theme and schedule of the conference. The key note address was delivered by Dr. S. Raghothama (Former Chief Research Scientist, NMR Research Centre, Indian Institute of Science, Bangalore). Dr. Sharda Soni (Co- Convenor of the conference and Head, Chemistry) delivered the vote of thanks. Prof. Sangeeta Vyas, Prof. Vinita Sharma, Dr. Swati Joshi, Dr. Anurag Sharma, Dr. Poonam Ojha conducted various sessions.

Eminent Speakers like Dr. K.C. Gupta (Former Director, Industrial Toxcology Research Centre Lucknow), Prof. Satish Kumar Awasthi (Chemistry Dept., Delhi University), Prof. N.B. Singh (Professor Emeritus, Chemistry and Biochemistry, Sharda University& President SPES Delhi), Prof. R. V. Singh (Vice-President, SPES, Delhi &Ex HOD Chemistry, Rajathan University), Prof. Alka Agarwal (Chemistry Dept., BHU, Varanasi), Dr. Saroj Kumar Shukla (Chemistry Dept., Delhi Univ, Delhi), Prof. R.K. Vyas (Chemical Engg. Dept., MNIT, Jaipur), Prof. A B Gupta (Civil Engg. Dept., MNIT, Jaipur) and Pankaj Goyal (Biotech. Dept., Central University, Rajasthan) presented their research papers.

Prof. P. S. Verma (Emeritus Scientist, University of Rajasthan, Jaipur), Dr. Anuj Saxena (OSD, Chief Minister's Advisory Board, Jaipur) and Dr. N.S. Bissa, OSD, Chief Minister's Office, Jaipur were the honored Guests of valedictory session.

The two days were full of sharing and discussion of scientific presentations. Poster presentations also attracted the delegates. Certain important areas were discussed and deliberations on areas like Water clarification, Waste minimization, Nano cementing materials (anti earthquake materials), Synthesis of Diversified Antimicrobial Agents using Click Chemistry, Chemically modified optical fibers, Synthetic Analogs for Antimalarial Drug Discovery, Biodegradation of Emerging contaminants, Pharmaceutical compounds, Targeting malaria through host pathways were very useful.

# DEPARTMENT OF ENGLISH

## INTERNATIONAL CONFERENCE ON HERMENEUTICS TODAY HELD

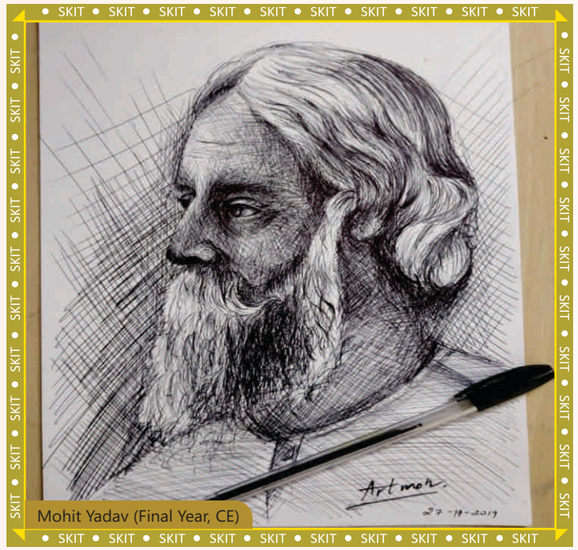
The Department of English organized a 2-day international conference on Hermeneutics Today: Negotiating Traditional Approaches across Cultures, Literatures and Languages on 24-25 January, 2020. The aim of the conference was to provide a forum for deliberating on the relative efficacy of the traditional approaches and contemporary hermeneutics with special emphasis on social issues.

The inaugural ceremony was presided over by the chief guest Prof. William Feaver from Nottingham Trents University, England and guests of honor Prof. K.C Baral, Vice Chairman, Abul Kalam Azad University of Asians Studies, Kolkata and Prof. Sanil V. Department of Humanities, IIT, Delhi. Prof. Feaver in his inaugural address emphasized on the role of art, paintings and writings in bringing out the inner self in today's highly scientific and technical era. Prof. Baral threw light on reflections in post theory times in his key note address. Prof. Sanil gave an insightful talk on interpretation in the age of fake news and hate speech. Prof. Dayanand Bhargav explained the new interpretations of the Vedas, Vedantas and Geeta in today's context. He reinterpreted the concept of the origin of various castes- Brahamins, Kshatriyas, Vaishyas and Shudras. Besides this, there were presentations by plenary speakers- Prof. Sanjay

Arora from Central University of Rajasthan and Dr Sib Sankar from Central University of Assam followed by two parallel sessions of paper presentations. Dr. Anupriya Singh, the Convener of the conference explained the concept note of the conference. Dr. Neha Purohit, Head of English Department proposed the vote of thanks to the dignitaries and the audience.

Conference on Hermeneutics

Two plenary sessions were held on the second day. In the first session, Dr Tikaram Poudel from Tribhuvan Unversity, Nepal talked on the topic "Resisting Hegemony of English in South Asia". It was followed by the presentation of Dr Sheetal Setia from Law Unversity, Mumbai. He deliberated on the importance of Hermeneutics in the field of Law. Dr Mashrur Hussain from Dhaka gave a very erudite lecture on the topic "Here 'There is no place/ that does not see you': Thirding the Power/Pleasure Schema in Male Ekphrastic Poetry". After that delegates presented their papers in two parallel sessions. It was again followed by the second plenary session in which Dr Arzuman from English and Foreign Language University, Shillong conversed on "Rethinking Hermeneutical Approaches to Pedagogy in Humanities". Dr Narendra Kumar from LNMIIT, Jaipur discussed the significance of Hermeneutics in Literature. In all there were 50 paper presentations.



Mohit Yadav (Final Year, CE)

# DEPARTMENT OF SCHIENCES AND HUMANITIES

## DEPARTMENT OF ENGLISH

### BOOK PUBLISHED

TITLE : Technical Communication
AUTHOR/S: Prof.KrishnaDayalSharma, Dr. Nidhi Sharma, Dr. Anupriya Singh
PUBLISHER : Genius Publications, 2019

### PAPERS PRESENTED IN CONFERENCES

TOPIC : Sequestered Lives: Locating Female Isolation in J.M. Coetzee's Disgrace.
AUTHOR/S : Sheeba Anjum, Prof. Nupur Tandon
CONFERENCE : International Conference on Gender, Diaspora, Cultural Identity, Education, Islamic Studies. IMRF, Delhi Chapter (26 to 27 July, 2019)

### ONLINE NPTEL FACULTY DEVELOPMENT PROGRAM ATTENDED

TITLE : Developing Soft Skills and Personality (NPTEL Online Course)
DATE : August-October, 2019 (8 Weeks), Equivalent to 1 week FDP Programme
ATTENDED BY : Neha Purohit

TITLE : Developing Soft Skills and Personality (NPTEL Online Course)
DATE : August-October, 2019 (8 Weeks), Equivalent to 1 week FDP Programme
ATTENDED BY : Sheeba Anjum

### NPTEL COURSES COMPLETEDBY FACULTY

COURSE/ TOPIC : Developing Soft Skills & Personality
COMPLETED BY : Neha Purohit
DURATION& CATEGORY : August to October, 2019 (8 weeks) Gold certification with 91% and position in the top 2%

COURSE/ TOPIC : Developing Soft Skills & Personality
COMPLETED BY : Sheeba Anjum
DURATION& CATEGORY : August to October, 2019 (8 weeks) Gold certification with 90% and position in the top 2%

Course/ Topic : Literary Criticism
Duration & Category : 14 Weeks, 82
Completed by : Anupriya Singh

## DEPARTMENT OF MATHEMATICS

### WORKSHOP ATTENDED

TITLE : Virtual Labs
DATE : 15 to 16 February, 2019
ATTENDED BY : C. P. Jain
ORGANIZED BY : IIT, Delhi at SKIT Jaipur.

TITLE : Advanced Statistical and Optimization Learning in Multidisciplinary Arena
DATE : 15 to 19 July, 2019
ATTENDED BY : Nivedita Gupta
ORGANIZED BY : Manipal University Jaipur

### NPTEL COURSE COMPLETED BY FACULTY

COURSE/ TOPIC : Engineering Mathematics-1
COMPLETED BY : Deepika Jain
DURATION & CATEGORY : January to April 2019 (12 weeks). Awarded Elite Certificate & Silver Medal

COURSE/ TOPIC : Transform Calculus and its applications in Differential Equations
COMPLETED BY : Dr. Sangeeta Gupta
DURATION & CATEGORY : January to April 2019 (12 weeks). Awarded Elite Certificate & Gold Medal

COURSE/ TOPIC : Transform Calculus and its Applications in Differential Equations
COMPLETED BY : Dr. Pramila Kumawat
DURATION & CATEGORY : January to April 2019 (12 weeks). Awarded Elite Certificate & Silver

### FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

TITLE : FDP-2019
DATE : April 29 to May 7, 2019
VENUE : SKIT -PAQIC
ATTENDED BY : C.P. Jain

### FACULTY DEVELOPMENT PROGRAM ATTENDED

TITLE : Competency Building and Enhancement in Higher Education: Prospects, Issues and Challenges
DATE : 20-21 December, 2019
VENUE : S. S. Jain Subodh P G Mahila Mahavidyalaya, Jaipur
ATTENDED BY : Jyoti Arora

TITLE : Competency Building and Enhancement in Higher Education: Prospects, Issues and Challenges
DATE : 20-21 Dec 2019
VENUE : S. S. Jain Subodh P G Mahila Mahavidyalaya, Jaipur
ATTENDED BY : Nivedita Gupta

### WORKSHOP ATTENDED

TITLE : Workshop on Exam Reforms
DATE : 9 to 11 December, 2019
ATTENDED BY : Nawal Kishor Jangid
ORGANIZED BY : NITTTR, Chandigarh

### NPTEL / MOOKIT/ IITBX/ SWAYAM COURSES COMPLETED BY FACULTY

COURSE/ TOPIC : Introduction to Programming in C
COMPLETED BY : Jyoti Arora
DURATION & CATEGORY : July- September 2019, Elite 80%, Elite, Silver.

### PAPERS PRESENTED IN CONFERENCES

TITLE : On Convolution of Integral Transform
AUTHORS : Deepika Jain
CONFERENCE : International Conference on Recent Trends and Innovation in Engineering, Science & Technology, Poornima University, Jaipur. 20-21 December, 2019

### Ph. D DEGREE AWARDED

NAME : Sumit Gupta
TOPIC : Thermally Developed Fluid Flow Analyses through Various Regimes
GUIDE : Dr. Kalpna Sharma, Dept. of Mathematics
YEAR : November, 2019 -Manipal University, Jaipur.

# DEPARTMENT OF **CHEMISTRY**

## FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

TITLE : One week FDP on ICT in Disaster Management
DATE : 3 to 7 June, 2019
VENUE : Electronics & ICT Academy & TEQIP-III, MNIT
ATTENDED BY : Dr. Swati Joshi, Dr. Sharda Soni, Dr. Poonam Ojha

TITLE : 3-day FDP on Student Induction Training Program
DATE : 1 to 3 July, 2019
VENUE : Poornima College of Engineering, Jaipur.
ATTENDED BY : Dr Poonam Ojha

## NPTEL COURSE COMPLETED BY FACULTY

COURSE/ TOPIC : Teaching and Learning in Engineering
COMPLETED BY : Dr. Archana Saxena
DURATION & CATEGORY : February to March 2019 (4 weeks).

## WORKSHOP ATTENDED

TITLE : National Workshop on e-Content Development.
DATE : 17 August, 2019
ATTENDED BY : Prof. Archana Saxena
ORGANIZED BY : Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi

TITLE : National Workshop on Environment Sustainability
DATE : 21 September, 2019
ATTENDED BY : Prof. Archana Saxena
ORGANIZED BY : Saksham Society and Jaipur National University

TITLE : SCILAB Workshop
DATE : 4 May 2019
ATTENDED BY : Dr Poonam Ojha
ORGANIZED BY : IIT, Bombay at SKIT Jaipur.

TITLE : One week FDP on ICT in Disaster Management
DATE : 3 to 7 June, 2019
VENUE : Electronics & ICT Academy & TEQIP-III, MNIT
ATTENDED BY : Dr Swati Joshi

## AWARDS FOR FACULTY

Prof. Archana Saxena was felicitated with 'National Earth Care Award' 2019 for her contribution towards Environment sustainability at Jaipur National University by Saksham Society on 21 September, 2019

Prof. Archana Saxena received the 'Iconic Faculty Award, 2019 at the Excellent Leaders' Summit-2019 in recognition of her outstanding accomplishment and individual excellence in the field of teaching at Parishkar College of Global Excellence Jaipur on 30 June, 2019.

## ONLINE NPTEL FACULTY DEVELOPMENT PROGRAM ATTENDED

TITLE : Developing Soft Skills and Personality (NPTEL Online Course)
DATE : August-October, 2019 (8 Weeks)
ATTENDED BY : Sharda Soni

TITLE : Developing Soft Skills and Personality
DATE : August-October 2019 (8 Weeks)
ATTENDED BY : Sangeeta Vyas

TITLE : Developing Soft Skills and Personality
DATE : August- October, 2019 (8 Weeks)
ATTENDED BY : Archana Saxena

## NPTEL / MOOKIT/ IITBX/ SWAYAM COURSES COMPLETED BY FACULTY

COURSE/ TOPIC : Stress Management
COMPLETED BY : Sharda Soni
DURATION & CATEGORY : July-August, 2019 (04 Weeks), Elite Certificate

COURSE/ TOPIC : Developing Soft Skills and Personality
COMPLETED BY : Sharda Soni
DURATION & CATEGORY : August-October, 2019 (08 Weeks), Elite Certificate with Silver Medal

COURSE/ TOPIC : Developing Soft Skills and Personality
COMPLETED BY : Archana Saxena
DURATION & CATEGORY : August-October, 2019 (08 Weeks), Elite Certificate with Silver Medal

COURSE/ TOPIC : Developing Soft Skills and Personality
COMPLETED BY : Sangeeta vyas
DURATION & CATEGORY : August-October, 2019 (08 Weeks), Elite Certificate with Silver Medal

# DEPARTMENT OF **PHYSICS**

## FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

TITLE : FDP on ICT in Disaster Management
DATE : 3 to 7 June, 2019
VENUE : E&ICT Academy, MNIT, Jaipur (Organized by Department of Chemistry and National Centre of Disaster Management and Mitigation (NCDMM), MNIT Jaipur)
ATTENDED BY : Dr. B. R. Sharma

TITLE : FDP on Antenna Trends
DATE : 1 to 5 July, 2019
VENUE : E&ICT Academy, MNIT, Jaipur (Jointly organized by Electronics & ICT Academies at IIT Guwahati, NIT Patna and MNIT Jaipur)
ATTENDED BY : Dr. B. R. Sharma

TITLE : FDP on Antenna Trends
DATE : 1 to 5 July, 2019
VENUE : E&ICT Academy, MNIT, Jaipur (Jointly organized by Electronics & ICT Academies at- IIT Guwahati, NIT Patna and MNIT Jaipur)
ATTENDED BY : Pawan Kumar Jain

## ONLINE NPTEL FACULTY DEVELOPMENT PROGRAM ATTENDED

TITLE : Nanotechnology, Science and Applications
DATE : July-Sep 2019 (8 Week Course, Equivalent to 1week FDP Programme)
ATTENDED BY : Komal Sharma, Manasvi Dixit

TITLE : Solar Photovolataics Fundamentals, Technology and Applications
DATE : July-Sep 2019 (8 Week Course, Equivalent to 1week FDP Programme)
ATTENDED BY : Rajiv Kumar, Manasvi Dixit

## WORKSHOP ATTENDED

TITLE : One day Workshop on Linux
DATE : 23 August, 2019
ATTENDED BY : Dr. B. R. Sharma
ORGANIZED BY : Teaching Learning Centre, ICT at IIT Bombay held at SKIT Jaipur.

## NPTEL /MOOCS/ IITBX/SWAYAM COURSE COMPLETED BY FACULTY

COURSE/ TOPIC : Basics of Quantum Mechanics
COMPLETED BY : R. K. Jain
DURATION & CATEGORY : 15 August. - 18 Nov. 2019. Awarded Certificate for Excellent Performance

COURSE/ TOPIC : Experimental Physics-II
COMPLETED BY : B. R. Sharma
DURATION & CATEGORY : July-October. 2019 (12 week Course). Awarded Elite Certificate

COURSE/ TOPIC : Basics of Quantum Mechanics
COMPLETED BY : B. R. Sharma
DURATION & CATEGORY : 15August. - 18 November. 2019. Awarded Certificate for Excellent Performance

COURSE/ TOPIC : Nanotechnology, Science and Applications
COMPLETED BY : Komal Sharma
DURATION & CATEGORY : July-September. 2019 (8 week Course). Awarded Elite Certificate

COURSE/ TOPIC : Basics of Quantum Mechanics
COMPLETED BY : Komal Sharma
DURATION & CATEGORY : 15August. - 18 November, 2019. Awarded Certificate for Excellent Performance

COURSE/ TOPIC : Basics of Quantum Mechanics
COMPLETED BY : Rajiv Kumar
DURATION & CATEGORY : 15 August. - 18 Nov. 2019. Awarded Certificate for Excellent Performance

COURSE/ TOPIC : Physics of Materials
COMPLETED BY : Rishi Vyas
DURATION & CATEGORY : July-October. 2019 (12 week Course). Awarded Elite Certificate & Silver Medal

COURSE/ TOPIC : Basics of Quantum Mechanics
COMPLETED BY : Rishi Vyas

DURATION & CATEGORY : 15August. - 18 November, 2019. Awarded Certificate for Excellent Performance

COURSE/ TOPIC : Solar Photovoltaics Fundamentals, Technology and Applications
COMPLETED BY : Manasvi Dixit
DURATION & CATEGORY : July-Sepember, 2019 (8 week Course). Awarded Elite Certificate & Silver Medal (Secured position in top 5%)

COURSE/ TOPIC : Nanotechnology, Science and Applications
COMPLETED BY : Manasvi Dixit
DURATION & CATEGORY : July-September 2019 (8 week Course). Awarded Elite Certificate

COURSE/ TOPIC : Basics of Quantum Mechanics
COMPLETED BY : Manasvi Dixit
DURATION & CATEGORY : 15August - 18 November, 2019. Awarded Certificate for Excellent Performance

COURSE/ TOPIC : Introduction to Electromagnetic Theory
COMPLETED BY : Pawan Kumar Jain
DURATION & CATEGORY : July-September, 2019 (8 week Course).

COURSE/ TOPIC : Basics of Quantum Mechanics
COMPLETED BY : Pawan Kumar Jain
DURATION & CATEGORY : 15August. - 18 November, 2019. Awarded Certificate for Excellent Performance

COURSE/ TOPIC : Basics of Quantum Mechanics
COMPLETED BY : Ajay Kumar Sharma
DURATION & CATEGORY : 15Aug. - 18 Nov. 2019. Awarded Certificate for Excellent Performance

# PAPERS PUBLISHED

## DEPARTMENT OF **MECHANICAL ENGINEERING**

TITLE : Evaluation of Combustion Characteristics of Diethyl Ether–Nitromethane–Diesel Blends in CI Engine
AUTHORS : Chandan Kumar, Kunj Bihari Rana, Brajesh Tripathi
JOURNAL : Journal of Energy and Environmental Sustainability, Vol. 7, pp. 47-51, 2019.

TITLE : Productivity Improvement of Single Basin Solar Still Having Heat Pipe Arrangement: An Experimental Study for Jaipur
AUTHORS : Chandan Kumar, Pankaj Sharma, Amit Kumar Bansal
JOURNAL : SKIT Research Journal, Vol-9, Issue- 1, pp. 81-85, 2019.

TITLE : Heat Transfer Analysis of Circular Tubes Using Extended Surfaces
AUTHOR/S : Chandan Kumar, Ashish Nayyar, Sanjay Kumar Sharma
JOURNAL : SKIT Research Journal, Vol-9, Issue- 1, pp. 86-92, 2019.

TITLE : An Effective Teaching-learning-based Optimization Algorithm for The Multi-skill Resource-constrained Project Scheduling Problem
AUTHOR/S : Dheeraj Joshi, M. L. Mittal, M. Sharma, M. Kumar
JOURNAL : Journal of Modelling in Management, Vol. 14 No. op. 1064-1087,2019

TITLE : Study of performance and emissions of a stationary DI variable compression ratio CI engine fueled with n-butanol/diesel blends using Taguchi technique: analytical and experimental analysis
AUTHOR/S : Chandan Kumar, Ashish Nayyar, Dilip Sharma, Shyam Lal Soni, Vikas Gautam, Manu Augustine
JOURNAL : Energy Sources, Part A: Recovery, Utilization, and EnvironmentalEffects, DOI:10.1080/15567036.2019.1666937, 2019

TITLE : Effect of Stirring Speed on Mechanical Properties of Aluminium 6082/SiC/Carbon Black Metal Matrix
AUTHOR/S : Ankit Sharma, Achin Srivastav, Praveen Saraswat
JOURNAL : SKIT Research Journal, Vol. 9; Issue 2 (2019) pp. 85-90, 2019

TITLE : Implementation of Some Program Outcomes (POs) Prescribed by NBA for B.Tech. Degree Programs
AUTHOR : N.K. Banthiya
JOURNAL : SKIT Research Journal, vol. 9(1), pp. 101-108, 2019

TITLE : Dynamic Balancing of Cleaning Unit used in Agricultural Thresher using Jaya Algorithm
AUTHOR : Prem Singh
JOURNAL : World Journal of Engineering, Vol. 16 No. 6, pp. 702-711, 2019

TITLE : Synthesis Techniques of Functionally Graded Materials - A Review
AUTHOR/S : Dr. Vikash Gautam
JOURNAL : SKIT Research Journal, vol. 9(1), pp. 72-80, 2019

TITLE : A State of the Art on Solar-powered Vapor Absorption Cooling Systems Integrated with Thermal Energy Storage
AUTHOR/S : Dinesh Kumar Sharma, Dilip Sharma, Ahmed Hamza H Ali
JOURNAL : Environmental Science and Pollution Research (Springer Nature) 2020, Vol. 27 (1). pp. 158-189

TITLE : Effect of Various Operating Parameters on CIEngine Fuelled by D-DEE-E Blen
AUTHOR/S : Raju Malani, Chandan Kumar, Ankit Agarwal, Dinesh Kumar Sharma, Shushil Surana
JOURNAL : SKIT Research Journal 2020, Vol. 10 (1), pp.69-74

TITLE : 3E Analysis for Comparative Evaluation Between Variable Refrigerant Flow System and Fixed Speed Air Conditioning System
AUTHOR/S : Sumit Kumar Sonu, Ankit Agarwal, Dinesh Kumar Sharma
JOURNAL : SKIT Research Journal 2020, Vol. 10 (1), pp.80-88

TITLE : Dynamic Balancing of The Cleaning Unit used in Agricultural Thresher using a Non-dominated Sorting Java Algorithm
AUTHOR/S : Prem Singh
JOURNAL : Engineering Computations 2020 (DOI: 10.1108/ec-03-2019-0087

TITLE : Performance and Emission Characteristics of Diesel-2Ethoxyethyl Acetate Nitromethane Blends on a CI Engine--An Experimental Study
AUTHOR/S : Chandan Kumar, Ashish Nayyar, Rishabh Rao, Abhishek Sharma
JOURNAL : SAE Technical Paper 2020-01-0347, 2020.DOI: 10.4271/2020-01-0347

TITLE : Free Vibration Analysis of Functionally Graded Circular Piezoelectric Plate using COMSOL Multi-physics
AUTHOR/S : Trivendra Kumar Sharma
JOURNAL : AIP Conference Proceedings 2220, 080017 (2020)

TITLE : Best-Worst-Play (BWP): A Metaphor-less Optimization Algorithm
AUTHOR/S : Prem Singh
JOURNAL : Journal of Physics: Conference Series 2020, Vol. 1455

## DEPARTMENT OF **COMPUTER SCIENCE AND ENGINEERING**

TITLE : An Enhanced 4-Way Technique Using Cookies for Robust Authentication Process in Wireless Network
AUTHOR/S : Pankaj Dadheech, Ankit Kumar, Chothmal Choudhary, Mahender Kumar Beniwal, Sanwta Ram Dogiwal, Basant Agarwal
JOURNAL : Journal of Statistics and Management Systems, 22:4, 773-782, DOI: 10.1080/09720510.2019.1609557. (ESCI Indexed).

TITLE : An Optimal Framework for Spatial Query Optimization using Hadoop in Big Data Analytics.
AUTHOR/S : Pankaj Dadheech, Ankit Kumar
JOURNAL : Recent Patents on Computer Science (2019)12: 1.https://doi.org/10.2174/22132759126 6610419 2-15231, Print ISSN: 2213-2759, Online ISSN: 1874-4796, Bentham Science Publisher (Scopus Indexed).

TITLE : An Enhanced Quantum Key Distribution Protocol for SecurityAuthentication.
AUTHOR/S : Pankaj Dadheech, Ankit Kumar
JOURNAL : Journal of Discrete Mathematical Sciences and Cryptography, 22:4, 499-507,DOI: 10.1080/09720529.2019.1637154, Print ISSN: 0972-0529, Online ISSN: 2169-0065 (Scopus & ESCI Indexed).

TITLE : An Improved Quantum Key Distribution Protocol for Verification.
AUTHOR/S : Ankit Kumar, Pankaj Dadheech,
JOURNAL : Journal of Discrete Mathematical Sciences and Cryptography, 22:4, 491-498, DOI: 10.1080/09720529.2019.1637153, Print ISSN: 0972-0529, Online ISSN: 2169-0065 (Scopus & ESCI Indexed).

TITLE : An Enhanced Energy Efficient Routing Protocol for VANET using Special Cross over in Genetic Algorithm.
AUTHOR/S : Ankit Kumar, Pankaj Dadheech
JOURNAL : Journal of Statistics and Management Systems, 22:7, 1349-1364, DOI: https://doi.org/10.1080/09720510.2019.1618519 (ESCI Indexed).

TITLE : A Review Paper on Multiple Data Aggregation Scheme in MANET with Aggregation Strategies and Attack
AUTHOR/S : Pankaj Dadheech,
JOURNAL : International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE), ISSN: 2454-4248, Volume: 5 Issue: 6, pp. 01-04. (UGC Approved).

TITLE : Enhancement of Auto Scaling and Load Balancing using AWS
AUTHOR/S : Ankit Kumar, Pankaj Dadheech,
JOURNAL : SKIT Research Journal, An International Journal of Engineering, Science, Humanities and Management,Volume 9, Issue 2, 2019, pp. 22~27, ISSN (Print) 2278-2508, ISSN (Online) 2454-9673, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.

TITLE : Reverse Engineering for Potential Malware Detection: Android APK, Somali to Java
AUTHOR/S : Girish Sharma, Mehul Mahrishi
JOURNAL : Journal of Information Assurance and Security (ESCI) ISSN: 1554-1010 Volume 15, Issue 1, 2020

TITLE : An Approach of Data Protection over Cloud Storage through Randomize Tag Technique
AUTHOR/S : Priyanka Sharma (Research Scholar), Nikhar Bhatnagar (Faculty)
JOURNAL : International Journal of Scientific Research and Review, ISSN NO: 2279-543X, Volume 07, Issue 04, April 2019

TITLE : An Approach of Secure Data Process on Cloud with Effective Monitoring
AUTHOR/S : Priyanka Sharma (Research Scholar), Nikhar Bhatnagar (Faculty)
JOURNAL : SKIT Research Journal, ISSN NO: 2454-9673, VOLUME 9; ISSUE 2: 2019

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

TITLE : Effect of Substrate Temperature on the Microstructural and Optical Properties of RF Sputtered Grown ZnO Thin Films
AUTHORS : Neeraj Jain
JOURNAL : Materials Today: Proceedings, Elsevier, ICANCT, May 2020, Pg. No. MATPR14600, ISSN: 2214-7853, https://doi.org/10.1016/j.matpr.2020.04.667

TITLE : Area Optimized High Level Synthesis of Bubble Check Algorithm for Check Node Processing
AUTHORS : Himanshu Sharma, ManjuChoudhary, Vikaspathak, Ila Roy
JOURNAL : Lecture notes in Network and Systems, Springer, Communication and Intelligent System, Proceeding of ICCIS, 2019, May 2020, Pg. No. 381-390, Vol. 120, ISSN: 2367-3370, https:/doi.org/10.1007/978-981-15-3325-9

TITLE : A Survey - Energy Harvesting Sources and Techniques for Internet of Things Devices
AUTHOR : Pooja Choudhary
JOURNAL : Materials Today: Proceedings, Elsevier, ICANCT, May 2020, Pg. No. MATPR14043, ISSN: 2214-7853, https://doi.org/10.1016/j.matpr.2020.04.667

TITLE : An Investigation on a Triple Material Double Gate Cylindrical Gate All -around (TMDG-CGAA) MOSFET for Enhanced Device Performance
AUTHORS : Asmita Menaria, Rahul Pandey, Ramesh Kumar
JOURNAL : Materials Today: Proceedings, Elsevier, ICANCT, May 2020, Pg. No., ISSN: 2214-7853, https://doi.org/10.1016/j.matpr.2020.04.899

TITLE : Design and Modeling of InGaAs/GaAsSbNano Scale Hetero structure for Application of Optical Fiber Communication System
AUTHORS : Jayprakash Vijay, RadhakrishanYadav, P.A.Alvi, Kulwant Singh, Amit Rathi
JOURNAL : Materials Today: Proceedings, Elsevier, ICANCT, May 2020, Pg. No., ISSN: 2214-7853 https://doi.org/10.1016/j.matpr.2020.05.097

TITLE : Microstrip Rectangular Patch Antenna with Comb Shape Slot
AUTHORS : Priyanka Jain, Shubhi Jain, Raghevendra Sharma, VandanaVikasThakare
JOURNAL : Materials Today: Proceedings, Elsevier, ICANCT, May 2020, Pg. No., ISSN: 2214-7853

https://doi.org/10.1016/j.matpr.2020.03.339

TITLE : A Comparative Study of Various All-optical Logic Gates
AUTHORS : Ankur Saharia, N. Mudgal, A. Agarwal, S. Sahu, S. Jain, A.K. Ghunawat, G. Singh
JOURNAL : Optical and Wireless Technologies, Lecture Notes in Electrical Engineering Book Series, Springer, 2019, Pg. No. 429-437,Vol.546, ISBN: 978-981-13-6158-6, https://doi.org/10.1007/978-981-13-61593_45

TITLE : Comparative Study of Interferometer and Ring Resonator Based Biosensors: A Review
AUTHORS : Nitesh Mudgal, A. Agarwal, A. Saharia, S. Sahu, A. K. Ghunawat, G. Singh
JOURNAL : Optical and Wireless Technologies, Lecture Notes in Electrical Engineering Book Series, Springer, 2019, Pg. No. 419-427,Vol.546, ISBN: 978-981-13-6158-6, https://doi.org/10.1007/978-981-13-6159-3_44

TITLE : Design of a Compact MIMO Antenna for RADAR Applications using DGS Technology
AUTHORS : Harshal Nigam, Monika Mathur, Mukesh Arora
JOURNAL : International Conference on Artificial Intelligence: Advances and Applications, Springer, 2019, Pg. No. 199-205, ISBN: 978-981-15-1059-5, https//doi.org/10.1007/978-981-15-1059-5_23

TITLE : Design of High Speed Synchronous Counter using BICMOS Logic
AUTHORS : Ravi Kumar Jangir, Namrata Joshi
JOURNAL : Journal of Emerging Technologies and Innovative Research (JETIR), May 2020, ISSN: 2349-5162, Pg. No. 747-752, Volume 7, Issue 5, 10.6084/m9.jetir.JETIR2005418

TITLE : Efficient Automatic Food Ordering System using FPGA and ZigBee
AUTHORS : Anshul Kothari, Priyanka Sharma
JOURNAL : International Journal of Advanced Engineering Research and Science, March 2020, ISSN: 2349-6495(P) | 2456-1908(O), Pg. No. 191-194, Volume 7, Issue 3, https://dx.doi.org/10.22161/ijaers.73.31

## DEPARTMENT OF ELECTRICAL ENGINEERING

TITLE : Integration of Conventional & Renewable Energy Resources for Sustainable Growth of Indian Power Sector
AUTHOR/S : S. L. Surana
JOURNAL : SKIT Research Journal; Vol. 10; Issue 1:2020 pp. 42-46

TITLE : Chaotic Step Length Artificial Bee Colony Algorithms for Protein Structure Prediction
AUTHOR/S : Akash Saxena, Shalini Shekhawat, Ajay Sharma, Harish Sharma and Rajesh Kumar
JOURNAL : Journal of Interdisciplinary Mathematics 23(2):617-629,2020DOI: 10.1080/09720502.2020.1731967 Publisher: Taylor & Francis

TITLE : Enhance the Voltage Comparison of Different Techniques to Identify the Best Location of SVC to Enhance Voltage Profile.
AUTHOR/S : Sarfaraz Nawaz, Ankush Tandon
JOURNAL : ICIC Express Letters 14 (1), pp. 81-87

TITLE : Robust Visual Analysis of Eye State.
AUTHOR/S : Vivek Sharma
JOURNAL : International Research Journal of Engineering and Technology (IRJET) ISSN: 2395-0072

TITLE : Voltage Stability Enhancement Using SVC in PSCAD Software.
AUTHOR/S : Sarfaraz Nawaz, Ankit Vijayvargiya
JOURNAL : Lecture Notes in Electrical Engineering 661 Vol: 661, July 2020

TITLE : A Unique Multiple DGs Allocation Technique for Loss Minimization in Distribution System
AUTHOR/S : Ankush Tandon, Sarfaraz Nawaz
JOURNAL : Lecture Notes in Electrical Engineering 661 Vol: 661, July 2020

## PAPERS PUBLISHED IN CONFERENCES

TOPIC : Index Point Detection and Semantic Indexing of Videos - A Comparative Review
AUTHOR : Mehul Mahrishi
CONFERENCE : 4th International Conference on Soft Computing: Theories and Applications, 27 to 29December 2019, National Institute of Technology, Patna, Bihar. Published in Advances in Intelligent Systems and Computing (AISC) Springer, SCOPUS indexed and UGC approved. DOI: 10.1007/978-981-15-4032-5

TOPIC : Selection of Cloud Service Provider based on Sampled Non-functional Attribute Set
AUTHOR : Mehul Mahrishi
CONFERENCE : 19th International Conference on Intelligent Systems Design and Applications, 3 to5 December 2019, Pretoria, South Africa. Proceedings to be published in Advances in Intelligent Systems and Computing.

TOPIC : Traffic Prediction for Intelligent Transportation System using Machine Learning
AUTHOR : Mehul Mahrishi
CONFERENCE : 3rd International Conference on Emerging Technologies in Computer Engineering: Machine Learning and Internet of Things (ICETCE) Published by IEEE Xplore, 2020

TOPIC : Authentication Issues and Techniques in Cloud Computing Security: A Review.
AUTHOR/S : Aakriti Sharma, Bright Keshwani, Pankaj Dadheech,
CONFERENCE : International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019), February 26 to 28, 2019. Amity University Rajasthan, Jaipur, India, pp. 2305-2307, SSRN: https://ssm.com/abstract=3362164.

## DEPARTMENT OF **CIVIL ENGINEERING**

TITLE : To study Mechanical Properties of Concrete by using Industrial Waste Material.
AUTHOR : Kishan Lal Jain
JOURNAL : International Journal of Construction, Engineering and Planning, ISSN: 2456:2335, Pp No. 18-27, June 2019.

TITLE : Performance Study of Community Scale Reverse Osmosis Plant
AUTHORS : Saurabh Singh, Akash Johari, Ajay Gautam
JOURNAL : SKIT Research Journal, Year: 2019, Month – October, Volume: 9, Issue: 2.

TITLE : The Municipal Solid Waste Management System of Jaipur: A Case Study
AUTHORS : Saurabh Singh, Amit Kumar, Manmohan Sharma
JOURNAL : Journal of Emerging Technologies and Innovative Research, ISSN: 2349:5162, Volume: 6, Issue: 6. 2019

TITLE : Planning and Designing of Roof Top Water Harvesting System for SKIT, Jaipur
AUTHORS : Priyanka Gupta, Saurabh Singh
JOURNAL : SKIT Research Journal, Year: 2019, Month – October, Volume: 9, Issue: 2.

TITLE : Analysis of Existing Pedestrian Facilities in Selected Areas of Jaipur City.
AUTHOR/S : Nishant Sachdeva, Lalit Kumar Gupta
JOURNAL : International Research Journal of Engineering and Technology, Vol. 7, Issue 5 May, 2020. pp. 779-782

TITLE : Durability Performance of Waste Granite and Glass Powder added Concrete.
AUTHOR/S : KishanLal Jain, Lalit Kumar Gupta
JOURNAL : Construction and Building Material, Vol. 252, Issue 12, April 2020, pp. Article no. 119075

## DEPARTMENT OF **MANAGEMENT STUDIES**

TITLE : Role of Irrigation in Development: The Rajasthan Experience
AUTHOR/S : Priyanka Payal, Poonam
JOURNAL : International Journal of Recent Technology and Engineering (IJRTE) (SCOPUS Indexed), ISSN: 2277-3878, Volume-8 Issue-6, March 2020

TITLE : Prevailing Socio-cultural Factors and their Impact on the Business Environment
AUTHOR/S : Priyanka Payal, Maneesha Kaushik
JOURNAL : International Journal of Advanced Science and Technology (SCOPUS Indexed), Vol. 29, No. 03, (2020), pp. 4708- 4716

TITLE : A Study of Demographic Variable of People's Attitude Affecting the Effectiveness of Social Advertising in Rajasthan.
AUTHOR/S : Atul Gupta
JOURNAL : Study in Indian Places Names, ISSN: 2394-3114, Volume-40, Issue-3, February 2020

TITLE : Managing Deviant Service Customer Behavior: A Key to Strategic Success.
AUTHOR/S : Atul Gupta
JOURNAL : Our Heritage, ISSN: 0474-9030, Volume-68, Issue-30 February, 2020

TITLE : Artificial Intelligence in Human Resources: An Approach towards Reducing the Carbon Foot Print
AUTHOR/S : Jyoti Jain, Ravish Pandey
JOURNAL : Tathapi, ISSN: 2320-0693, Volume-19 Issue-2, February 2020

TITLE : Consumer Psychology: A Study of Buying Behavior of Youngsters in Rajasthan in Relation to Organized Retail
AUTHOR/S : Ravish Pandey, TanuYadav
JOURNAL : Tathapi, ISSN: 2320-0693, Volume-19 Issue-2, February 2020

TITLE : Relationship between Organization Role Stress and Working Age Group.
AUTHOR/S : Ravish Pandey, PreetiYadav, Samra Sultana
JOURNAL : Journal of Xi'an University of Architecture & Technology (SCOPUS Indexed), ISSN: 1006-7930, Volume-12 Issue-4, April 2020

## DEPARTMENT OF **ENGLISH**

TITLE : Mapping the Boundaries: J.M. Coetzee's Disgrace and Slow Man as Modern Cosmopolitan Fiction.
AUTHOR/S : Sheeba Anjum, Prof. Nupur Tandon
JOURNAL : Shanlax International Journal of English. Vol-7, Issue-4, September 2019.pp 51-56

TITLE : Sequestered Lives: Locating Female Isolation in J.M. Coetzee's Disgrace.
: Sheeba Anjum, Prof. Nupur Tandon
JOURNAL : Social Sciences International Research Journal. Vol- 5, Issue1, July 2019. pp. 9-13

TITLE : Jhumpa Lahiri: A Social and Emotional Maladjustment in 'Interpreter of Maladies'
AUTHOR/S : Geetika Patni
JOURNAL : Think India Journal,National ISSN: 0971-1260 UGC, July 2019

TITLE : An Analysis of Marginalized Women Characters in the Works of Doris Lessing & AliceMunro
AUTHOR/S : Geetika Patni
JOURNAL : Journal of The Gujarat Research Society, National ISSN: 0374-8588 UGC September 2019

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AUTHOR/S : Poonam Ojha, and Rupali Shrivastava
JOURNAL : Research Journal of Pharmaceutical, Biological and Chemical Sciences, May-June, 2019, 10(3), pp. 377-380 ISSN 0975-8585

TITLE : Assessment of Groundwater Quality of District, Jaipur, Rajasthan, India,
AUTHOR/S : Rupali Shrivastava and Poonam Ojha
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TITLE : An Efficient Computational Technique for Nonlinear Emden Fowler Equations Arising in Astrophysics and Space Science
AUTHOR/S : Sumit Gupta, Devendra Kumar, Jagdev Singh, Sushila
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AUTHOR/S : Sumit Gupta, Devendra Kumar, Jagdev Singh
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AUTHOR/S : Sangeeta Choudhary
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AUTHOR/S : Vijay Kumar Singhal
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AUTHOR/S : Akash Saxena, Shalini Shekhawat, Ajay Sharma, Harish Sharma, Rajesh Kumar
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AUTHOR : Sangeeta Choudhary
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AUTHOR : Pawan Kumar Jain, Braj Raj Sharma
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AUTHOR : Pawan Kumar Jain
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AUTHOR : Pawan Kumar Jain, Braj Raj Sharma
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AUTHORS : Rishi Vyas
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# TECH - TALK

**S. K. Bhatnagar**
**Director (Research)**
**ECE Department, SKIT, Jaipur**

## YELLOW BELT, GREEN BELT, BLACK BELTTHE SIX SIGMA WARRIORS

**COVID-19** is around and we have become habituated of talking about warriors. Who are these six sigma warriors? In fact what is this six sigma? Six Sigma is not a secret society, a slogan or a cliché. Six Sigma is a highly disciplined process that helps us focus on developing and delivering near-perfect products and services. The central idea behind Six Sigma is that if you can measure how many "defects" you have in a process, you can systematically figure out how to eliminate them and get as close to "zero defects" as possible. Six Sigma is a set of tools and techniques used by companies to improve production processes, eliminate defects and guarantee quality. Yellow Belt, Green Belt, Black Belt holders are professionals who are skilled in identifying risks, errors, or defects in a business process and removing them. The Six Sigma certification helps in validating these professionals. Titles given to these professionals, their roles, experience and skills are as follows:

**1.Executive Leadership :** Top-level executives are responsible for vision and ultimately implementation of the six sigma methodology.

**2.Champion/ Sponsor :** Champion initiates and sponsors a Black Belt or team member. This belt is directly accountable for project results. They align projects with business goals.

**3.Master Black Belt :** title is given to the team which is coach, mentor and trainer to Black Belts. These people are expert in Six Sigma methodology, tools and processes. This Belt offers hands on help to Black Belts.

**4.Black :** Belt--is the title of those people who have the most critical role. They primarily focus on Six Sigma project execution. The focus is on leadership/ coaching and understanding of administrative systems and processes, problem solving, data collection and analysis.

**5. Green Belt :** This belt is similar to Black Belt, but holds a regular position while participating in or leading a six sigma team. This belt knows basic application of Six Sigma management tools.

**6. Yellow Belt :** Trained in basic application of Six Sigma management tools, works with Black Belt throughout the project stages.

**7. Implementation Leader :** He is often a seasoned professional in quality or organizational improvement, hired specifically for six sigma efforts. The name Six Sigma is derived from statistics where one Sigma represents one standard deviation away from the mean. A sigma value indicates the ability of a process to perform defect free work. The higher the sigma value, the better the process and the lower the probability that a defect will occur. The defect rate is said to be extremely low when the process exhibits Six Sigma, where three are above the mean and three below. What is the concept of Six Sigma? Six Sigma is a disciplined, statistical-based, data-driven approach and continuous improvement methodology for eliminating defects in a product, process or service. Six Sigma is a focused, systematic approach based on two standard methodologies of DMAIC and DMADV. DMAIC – (Define,Measure, Analyse, Improve and Control) is a process for continued improvement. It offers a structured and disciplined process for solving business problems. It is systematic, scientific and fact based. This closed-loop process eliminates unproductive steps, often focuses on new measurements, and applies technology for improvement. The DMAIC methodology has five phases:

**Define** the problem, the voice of the customer, and the project goals specifically.

**Measure** key aspects of the current process & collect relevant data.

**Analyze** the data to investigate & verify cause-and-effect relationships.

**Improve** or optimize the current process based upon data analysis using techniques such as design of experiments.

**Control** the future state process to ensure that any deviations from target are corrected before they result in defects.

DMADV is used for projects aimed at creating new product or process designs. The DMADV project methodology, also known as DFSS ("Design for Six Sigma"), features five phases:

**Define** design goals that are consistent with customer demands and the enterprise strategy.

**Measure** and identify CTQs (Characteristics that are Critical to Quality), product capabilities, production process capability & risks.

**Analyze** to develop and design alternatives, create a high-level design and evaluate design capability to select the best design.

**Design** details, optimize the design, and plan for design verification. This phase may require simulations.

**Verify** the design, set up pilot runs, implement the production process and hand it over to the process owners.

If you are planning a career in Quality Management in the manufacturing, pharmaceutical, healthcare, technology or service industries, prospective employers will often look for Six Sigma or Lean Six Sigma qualifications. Six Sigma and Lean Six Sigma are two separate tracks, each with three levels of certification. Learning Six Sigma methodologies for your work life can help impact your career future. The ability to add Six Sigma Certification to your resume proves your commitment to improving your business acumen and analytical skills, as well as improving the business where you work. A Six Sigma certification is one such essential certification course that is becoming increasingly popular and is seeing a great deal of participation. However, many might wonder if this certification would really help them land a job or bring about improvements in their job prospects. The answer is yes, it does. The Six Sigma certification comes in various skill levels: White Belt, Yellow Belt, Green Belt, Black Belt, and Master Black Belt. These certifications can be obtained through an accreditation body like the American Society for Quality (ASQ).

**Relevance in recent context** Lean & Six Sigma would be relevant for several decades to come. As long as there is a process, there will be two things one waste in the process and also variation in the process, both of them are not good for any process. Lean and Six Sigma are the ways to overcome both the challenges. Lean is about effective use of resources, eliminating wastes, taking time out of processes, and create better flow. It aims at a process performance of 3.4 DPM (Defects per Million) opportunity while Lean focuses on improving speed. Six Sigma has a flare to improve the cost of poor quality while Lean improves Operating costs.

# HELLO SKIT !

**RAJESH SHARMA**
BE (Electronice& Communication Engineering), 2003-07 Batch
Founder & Director Enertrak Instruments Pvt. Ltd
RIICO Sitapura
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It is always pleasant to remember my institute and my teachers where I learnt so many things. I graduated from ECE branch in the year 2007. I still remember that my teachers were very much supportive. The whole day passed quickly keeping us busy with academic and other activities. Every Saturday in second half we used to participate in extracurricular activities. I am continuously in touch with our teachers and still seek their guidance.

After completing BE, I joined Genus Power Infrastructures Ltd and have worked in a variety of business development roles. After having work experience of 4 years in Marketing and Product management I and Mr. Arvind Kaul (BE-MREC Jaipur) jointly started the setup ENERTRAK INSTRUMENTS PVT LTD in 2011 in RIICO Sitapura, Jaipur.

Enertrek was started with a small team of 10 technical people and presently the total number of employees in Enertrak family is about 100 with a total Turnover of about 15 Cr.

Enertrak is an Electronic Controller manufacturing company involved in the space of research and design of AMF and BTS Controllers suitable for data monitoring in the space of telecommunication infrastructure. With a heavy focus on smart electronics hardware and IoT being the foundation of our devices, we have been able to manufacture and install one of the highest precision DG set controllers and Smart Panel meters in the country, with thousands already up and running in the field. The company is based at Jaipur and within house R&D it has been able to create a niche market in the field of BTS monitoring systems. All products are indigenously designed and have been manufactured to suit the harsh requirements of Indian conditions.

Enertrak has obtained ISO 9001 and ISO 14001 certifications and the products are CE certified thereby ensuring high quality of product and services. The company is also working in the space of Pre Paid Energy Monitoring Systems, Digital Panel meters and Solar VFD Systems

Our company works on four major domains of GENSETs, Power Measuring instruments, Smart Electronics and customized software based applications.
Company manufactures electronic controllers for automobile industries, builders, IOT, Genset Manufacturers and telecom sector. The

key products are as follows:

1. Panel Meters
2. Prepaid Meters
3. Genset Controllers for automation
4. 2G/3G/4G Modems for communication
5. BTS controllers for telecom operators
6. IOT Panels for Remote monitoring of systems etc

Presently company is working with business giants like

1. Delta Electronics India Pvt. Ltd
2. Eicher Engines (Tafe Motors and Tractors Ltd)
3. Gardner Denever India Ltd
4. Neptune India Ltd
5. Sonalika Tractors
6. REIL etc

There is a lot scope in manufacturing sector specially now when 'Made in India' is being promoted.

I wish to say to my juniors and budding entrepreneurs that you should remain focused, move ahead step by step and do not get disheartened by failures or hardships. I am always available to students who are planning for a start up. Dear students, you are welcome to Enertrek for visit and also for internships.

Thank you Entrepreneurship Cell and SKIT Times for inviting me for this write- up.



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# WINDOWS OF MUSES

## TIME

Time is growing guilt of a disallowed
miscreant
and when everything goes right!,
It sets off to be lucky charm of a few rising
stars;

Time is an excuse to leave all behind and when
you are just about to get a hold,
It stages an escape to display how it never
belonged to right or left-hand side;

An incalculable constant,
A disguised scallywag,
An unwinnable rival,
Yet it befits almost everyone's sought after
trove.

Vinay Vyas, II Year IT

## EXCITEMENT

Just opposite to depression
Maybe a friend of aggression
Allows the happiness to come sometimes
Also cuddle our goose bumpsfew times

We just can't find its origin
Maybe we can't see within
and maybe that's its origin

This might be a beast mode
But a lot closer to the normal code
It might distract us
But who cares about our thrust

Trust me
It's you! Yes you.
Who do?

I always prefer the normal mode
Cause it tells us about our beast mode

It contain some good and bad memories
But that's all our worries

Excitement have many faults
But still, far better than depression volt

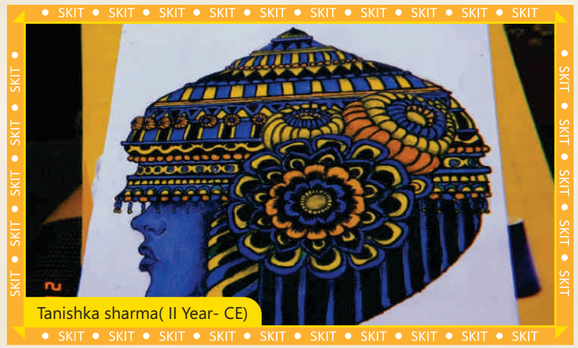
As it exist within
It can pop out with anything
Maybe a toy, alover, afriend, a family,
Aholiday, anappreciation or anything

But wait! This for what we all are working.

All have limitations
So what this mode also do
But believe me
This is far better than depression dude

Gautam Sharma

Anshika Mittal


Tanishka sharma( II Year- CE)



# सृजन

## (माँ)

सारी धरती घोशित माँ,
सभी गुणों से पोशित माँ।
देती सबको सुख लेकिन,
निज से रहती षोशित माँ।।

आज़ादी सब जन की माँ,
धरती है तन मन की माँ।
कोटि कोटि माऐं लेकिन,
भारत भू गण-धन की माँ।।

परिवारिक संयोग है माँ,
साधक हम जपयोग है माँ।
सातों लोक की वही धुरी,
देव मनुज का योग है माँ।।

सपूत कपूत न जाने माँ,
ममता धर्म को माने माँ।
आज गिरा कल संभलेगा,
जगत सच पहचानो माँ।।

उजली भोर किरण है माँ,
हरदम सबल हिरण है माँ।
सब गरीब धनपतियों पर,
साँस रहे तक ऋण है माँ।।

मानव ने माँ को लूटा,
धरा बन रही सहती माँ।
जग उपवन हर क्यारी माँ,
तमस बीच उजियारी माँ।।

नही षब्द की जाता वो,
फिर भी सब पे भारी माँ।
माँ होती बस केवल माँ,
घर मंदिर मे देवल माँ।।

लख चौरासी जूणों में,
सब से पहले केवल माँ।
क्षमा भाव मे बुद्ध है माँ,
मन से केवल षुद्ध है माँ।
अपनी पर यदि आ जावे,
कौरव पाँडव युद्ध है माँ।।

ज्ञान गंगा सुजाता माँ,
नही होती कुमाता माँ।
है अनगिन देवता जग में,
मगर घर की विधाता माँ।।

भोर की रोषनी है माँ,
षब्द इक चाषनी है माँ।
जीव जीवन जिये सुख से,
जग अन्न-प्राषनी है माँ।।

नित नूतन सुख बुनना माँ,
बिन बोला मन सुनना माँ।
नारी सब कर सकती पर,
बहुत कठिन है बनना माँ।।

सुख की खुली तिजौरी माँ,
त्याग में रूप अघोरी माँ।
जब तक हूँ कुछ ले जाओ,
करती रहे विरोरी माँ।।

आकृती शर्मा,
एसोसीएट्स प्रोफेसर सूचना प्रौधोगिकी

## कोविड - 19 : जागो और हो जाओ सचेत !

जीत कर ही अब दम भरेंगे, गरजती व्याकुल अंतरात्मा ।

दुश्मन मानव जाति का एक, नाम कोरोना धर के आया,
परजीवी तन मे वास करे, मन मे अनिष्ट का हेतु लाया ।
शत्रु है जिद्दी कुटिल, और अनभिज्ञ हमारे कद से
हारेगा युद्ध निश्चित ही, बस बंधे रहो अपनी हद से ।
ध्यान रहे हाथों को धोना, एकांत ही एक मात्र विकल्प
लाँघि जो लक्ष्मण रेखा तो, अधूरे रह जायेंगे संकल्प ।
अब जागो हो जाओ सचेत, भूल जाओ नादानी को
अपना ही समझो ना समझो, रक्षकों की परेशानी को ।

अनदेखा शत्रु है आतुर, करने मनु जाती का खत्मा
जीत कर ही अब दम भरेंगे, गरजी व्याकुल अंतरात्मा ।

आज बस कर्तव्य निभाओ, उपेक्षित रखो अधिकारों को
मैं मैं पर विजयी बनाओ, 'हमसब' रूपी विचारों को ।
अंजाने पर की आड़ लिए जो, गलतियां भरपूर करोगे
वक्त है आज अकेले रहकर, सबका साथ निभाने का
कब मिलेगा अवसर हे मानस, लोगों की जान बचाने का
मार्ग सर्व था सरल समझ यह, अकर्मन्य पुण्य कमाने का ।

राष्ट्र सेवा के यज्ञ में अंश का, साक्षी रहेगा स्वंय परमात्मा
जीत कर ही अब दम भरेंगे, गरजती व्याकुल अंतरात्मा ।

विवेक शर्मा,
एसोसिएट प्रोफेसन, विधुत व संचार अभियांत्रिकी

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