

Farewell Day

Thinking of the days when you were with us
 Many a times sad and many a times humorous
 It is tough to bid farewell to the ones
 Who were always with us in our problems.
 It is like a lump in a throat when we listen of you going abroad
 Man moves in his life without thinking of
 what happened to him in the past
 But the memories with you will stay with us till our life lasts
 100 years you live, 100 times the same festival will come
 But this is the day that will never return

Pragati Agrawal, (III Year, Dept. of CS)

My Demon Cried

In the dark, Under the stars My demon cried.
 Shuffled feelings, Suffocated thoughts
 That's what going inside the demon's mind?
 Felt lonely, Felt abandoned That's what my demon felt inside?
 Destroying things, Cutting strings That's how my demon survived?
 Screaming silently, Crying lonely That's what my demon tried?
 Sheltered by fake smiles Stabbed by fake expectations
 That's what my demon thinks?
 Stop feeling, Stop caring That's where my demon start fearing?
 Possessed by evil, Became a devil
 That's where my demon stopped fearing?
 Running away, Killing hopes That's what my demon start doing?
 Crying for help, While hurting himself That's how foolish my demon is?
 Heavy tears, Lightened heart That's why my demon cried?
 My demon cried. Cried for help...

Shreyash Raj, IV Semester, Dept. of ECE

Virtual Truth

Life is about pride and glory if it portrays a brilliant story,
 Whenever I feel exclusively aghast, Life reminds of a gruesome past.
 You gave me some moments to cherish Making all my problems to perish,
 Like a cool breeze in afternoon summer
 It's your presence which is always a glimmer.
 At a single glimpse of your face I get triggered to an awful chase,
 Whatever be my disgraceful destiny' But I refute your public scrutiny.
 My emotions are publicly avowal, Even I tried to be very equivocal.
 In the world full of rancor, Still I found a friendly succor,
 I know the path is absolute skew,
 But, ultimately final decision rests with you

Aksah Deo, Asst. Professor, Dept. of EE

एक बदलाव

शास्त्र सिखाते, करना कैसे जीवन का सदुपयोग,
 खाना कैसे, पीना कैसे, हर बात का है इनमें उल्लेख,
 रामायण बतलाती, हो कैसा राजा, तो कैसी हो प्रजा,
 भाई-बंधु कैसे, युद्ध-प्रेम, तो कैसी हो दण्ड-सजा,
 ब्रह्माण्ड के हर रहस्य का उद्घाटन करती गीता,
 महान ग्रंथ है ऐसा, हर प्रश्न का सहज उत्तर है मिलता,
 युग बीते, पढ़ के इनको, ज्ञानी बन गये सारे,
 हम भी पढ़ते रोज अनवरत, रट डाले अध्याय सारे,
 समाज सुधारने, रिश्ते समझे, गहन अध्ययन कर डाले,
 जब भी पढ़ते, दृष्टि पटल पर कई नाम मंडराते,
 हर बात में हमारी भरते, हाँ! भाई ऐसा ही हो,
 हाँ! राजा ऐसा ही हो,
 चारों वेदों से कहते, ऐसी ही हो दिनचर्या उसकी,
 पर ये क्या! सुधार ना पाये इक जन भी,
 क्या रह गया कोई, अधूरा अध्याय अभी भी,
 नहीं बनी जब बात, गलत ठहरा दिये भंडार ज्ञान के,
 अब सोचे, क्या हो अपना नया रास्ता, नया भगवान,
 याद आ गई, फिर इक दिन, इक बात, दादी-नानी भी कहती थी,
 सब सही पढ़ा है तुमने, बस दृष्टि पटल पर कोई और नहीं,
 बस तुम्हारा हो इक नाम।

डॉ. प्रमिला कुमावत, गणित विभाग

प्यारी माँ

ओह मेरी प्यारी मैया...
 मीठी लोरी गा अपनी गोद में सुलाया...
 प्यार से लला पुचकारे...
 खूब लाड से लाड लड़ाया...
 हाथों की प्यारी थपेली से...
 प्यार से खूब सहलाया...
 ममता की बारिश में...
 हमको खूब भिगोया...
 बचपन में नटखट खिलौना बन...
 मन खूब बहलाया...
 अपने हाथ की महक से बना खाना...
 बड़े चाव से अपने हाथ से खिलाया...
 जब भी रोया अकेला...
 प्यार से अपने गले लगाया...
 आया खूब वो मजा...
 फिर लौट कभी ना आया...
 ओह मेरी प्यारी प्यारी मैया
 ओह मेरी प्यारी प्यारी मैया
 हरदम नयनों में तेरा प्यारा चेहरा आया...
 ओह मेरी प्यारी प्यारी मैया...

लोकेश कुमार दर्जी, प्रथम वर्ष, यांत्रिकी अभियांत्रिकी



SWAMI KESHVANAND INSTITUTE
 OF TECHNOLOGY, MANAGEMENT
 & GRAMOTHAN, JAIPUR

वास्तविक अंक 44



BY
 RAJASTHAN TECHNICAL
 UNIVERSITY (RTU), KOTA

CONSECUTIVELY
 FOR 3RD YEAR


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

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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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THE EDITOR SPEAKS



"Give the youth a proper environment. Motivate them. Extend them the support they need. Each one of them has infinite source of energy. They will deliver."

– Dhirubhai Ambani

'Youth is the Spring of Life'

Both Youth and Spring are like the gentle thrust, the transforming voice, the change makers who manifest a new world of fresh flavours, tastes and fragrances. They are the harbingers of change. The young have never rested on their past laurels nor have they felt contented with their present possibilities. The chords of their impulses and instincts are always vocal and vibrant.

They are the Shapers and the Sculptors

They want to be everything for the nation, the ones who criticize the most and then get up to shape and sculpt it better. They fight for their own rights, they support the right and protest against the wrong. They figure out the good and the bad and choose their role accordingly.

They are Dreamers and Potential Pragmatists

Swami Vivekananda and Mahatma Gandhi considered the youth as the pillars of the nation. They dreamt of a beautiful, united and strong India. 'One was a Hindu monk, who looked like a prince, whereas the other—a British educated barrister turned politician—who looked like "a half-naked fakir," as Churchill described them.

If Vivekananda shook up his fellow-Indians from their deep slumber by his inspiring words, "arise, awake, and stop not till you achieve your goal," Gandhi achieved the same result, by giving them a new, nonviolent, political-spiritual weapon of 'Satyagraha' to fight against both the enemy outside and enemy inside. The youth is said to have hot blood and when it gets stirred up, they can fight any force whether it be corruption, terrorism or the aliens, they can be pragmatic as well as educated leaders and enlightened human beings, who focus on getting rid of the problems-internal or external. They have a world full of creative challenges and opportunities to conquer. The youth of today can play a sterling role in realization of these dreams.

They sing and make things bling

Youth is the only part which is open to experimentation, it has brought forth so many new career options which were seen only in dreams. They are entertainers and comedians who talk about things which instantly become a stimulus, they are players who bring pride and fame to the country, and they act. They are the social media wizards who use every platform lucratively. They are pure magic. They have the key to the lock and they are the only ones who can set the caged bird free. They are everywhere, every corner of the world, their reach is phenomenal. Indian Youth make sure they are heard or seen and they make the best of it.

How can they contribute more?

The youth can contribute best by giving their best. Each one of them must perform his/her job and responsibilities perfectly. If a nation is to achieve invincible prosperity in the fields of health, finances, science, technology, and innovation, the youth of that nation must adopt the principle of integrity as it is a divine quality; it augments energy, enthusiasm, creativity, fearlessness, purposefulness, and accomplishment.

Youth are not only the leaders of tomorrow, but also the partners of today. Young people are social actors of change and progress. They are a crucial segment of a nation's development. Their contribution, therefore, is highly needed. They are the building blocks of a country.

Krishna Sharma
Editor in chief

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DISCLAIMER

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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 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.



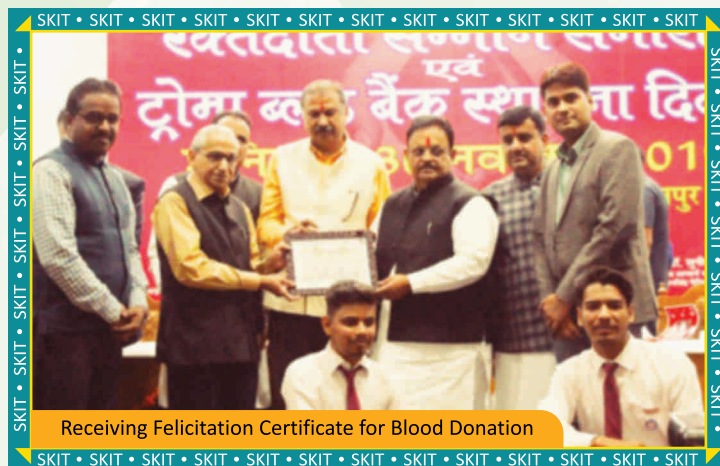
Glimpses of Soft Skills Training Programme

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 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).



Receiving Felicitation Certificate for Blood Donation

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 Mrs. Nikhar Bhatnagar and Mrs. Aakriti Sharma. It comprised solo performance followed by battle rounds. A series of breathtaking



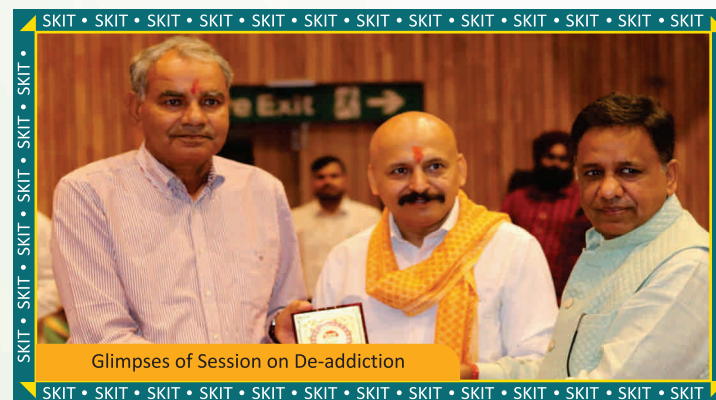
Street Dance Performance

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

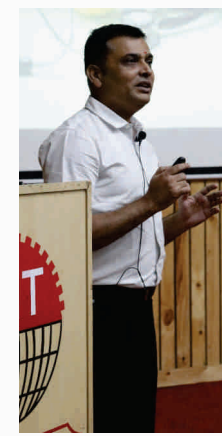
A motivational talk on the National Youth Day was organized by the ECA Club on 08 January, 2020 in the campus. The chief guest Mr. S.S. Bissa (Ex. IAS), presently Faculty at Rajasthan State Institute of Public Administration Officers Training School, Jaipur, focused his address on the youth icon Swami 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 emphasized the aim of education to be life-building, man-making, and character-building. An education which develops character, mental powers and



SKITians with Mr. Bissa

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 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.



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

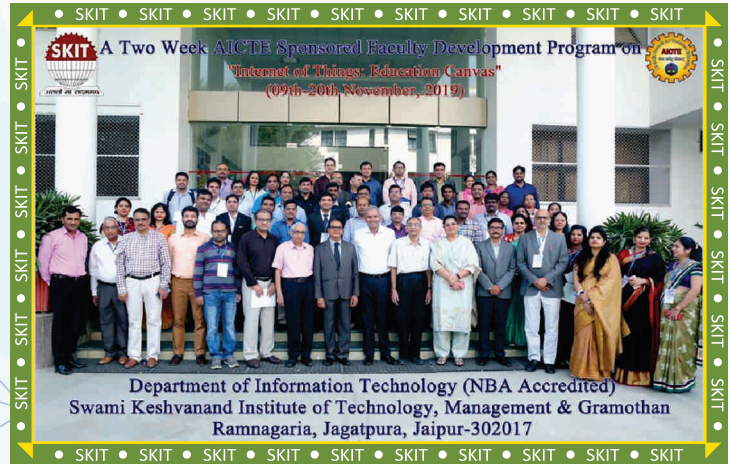


The conference witnessed presence of various eminent speakers and dignitaries. Prof. R.A Gupta Hon'ble Vice Chancellor, Rajasthan Technical University, Kota was the Chief Guest and the other guests were Prof M.C. Govil, Director, NIT, Sikkim; Dr. Dharendra Mathur, TEQIP- III RTU (ATU) Coordinator; Dr. 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. Gustavo 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).

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 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.

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.

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

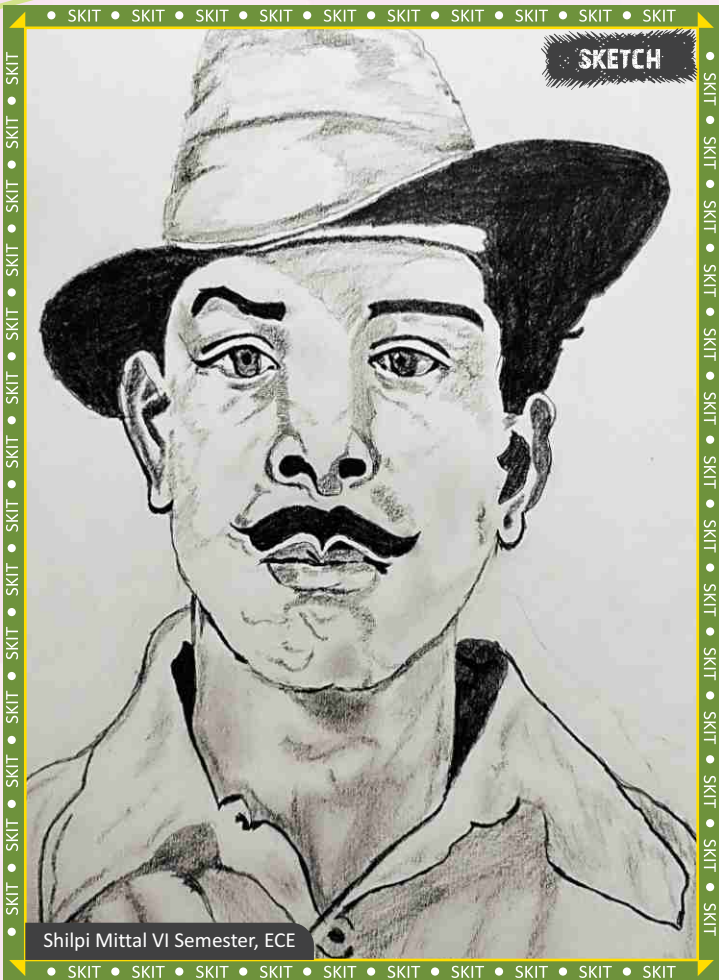
FACULTY TRAINING PROGRAM ATTENDED

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 October 2019 (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.

DEPARTMENT OF MECHANICAL ENGINEERING

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 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, Uttarakhand 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-convenor. 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.

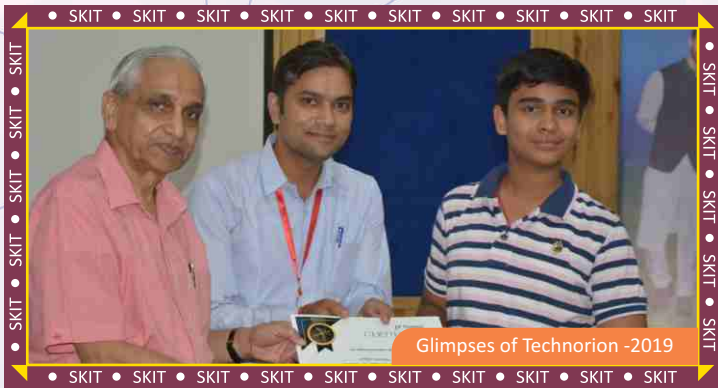
TECHFEST'S ZONAL "TECHNORION -2019"

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 Senior Sec. School, Jodhpur |
| 3 | CoDecode | SKIT, Jaipur |
| 4 | Olympiad | Cambridge Court, Jaipur |



Glimpses of Technorion -2019



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



SKITians in Bootathon

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, Utrakhland, 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

INTERACTIVE SESSION CONDUCTED



A still from the Session

Mr. Ajay Dhanopia of the department conducted an interactive session on "Mechanical Engineering: Introduction & Career Opportunities" in Academia World Education and Book Fair-2019 from 18 to 19 November, 2019 at Maheshwari Public School, Jawahar Nagar, Jaipur.

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

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).



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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.



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



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.



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 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 demonstrated. 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. Udayan 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.

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

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

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:
 - International Journal of RF and Microwave Computer-Aided Engineering.
 - Journal of Electrical Engineering & Technology (Springer Publication).
- Dr. Monika Mathur was a peer-reviewer for International Conference - Optical and Wireless Technologies (OWT 2020).

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

PROGRAMS ATTENDED

TITLE : One Day Awareness Program on Intellectual Property Rights (in association with Commissioner Industries, Govt. of Rajasthan and Export Promotion Council for Handicrafts (EPCH))

DATE : 4 October 2019

VENUE : MSME-DI, Jaipur

ATTENDED BY : Kiran Rath, Pooja Choudhary

TITLE : IEEE YESIST -12 (International Project Innovation Challenge for Students and Young Professionals)

DATE : 8 to 9 September, 2019

VENUE : Stamford International University, Thailand

ATTENDED BY : Swati Arora

PAPERS PRESENTED IN CONFERENCES

TOPIC : Properties of Antimony Selenide Nano Crystalline Thin Films

AUTHORS : Swati Arora, Hemlata Panwar, Vivek Bhojak

CONFERENCE : International Conference on Recent Development in Engineering & Technology, ICRDET-2019, September 14 -15, 2019

TOPIC : Photo Luminescent Properties of MgO Doped ZnO Nanostructures Thin Films Using E-Beam Deposition

AUTHORS : Swati Arora, Divya Rathore

CONFERENCE : International Conference on Information Management and Machine Intelligence at Poornima Institute of Engineering and Technology on December 14-15, 2019

TOPIC : Area Optimized High Level Synthesis of Bubble Check Algorithm for Check Node Processing

AUTHORS : Himanshu Sharma, Manju Choudhary, Vikas Pathak, Ila Roy

CONFERENCE : International Conference on Communication and Intelligent Systems, at CSE Department, SKIT, November 9-10, 2019.

TOPIC : Broadband Planar Antenna of Wireless Communication Using EBG Structure

AUTHORS : Shubhi Jain, Praveen K. Jain, Pallav Rawal, Ankit Agarwal

CONFERENCE : International Conference on Communication and Intelligent Systems Organized by RTU, Kota and SKIT, Jaipur, November 9-10, 2019.

M. TECH. DISSERTATION COMPLETED

STUDENT NAME : Shreya Bandia

SUPERVISOR : Dr. Monika Mathur

DISSERTATION TITLE : Dual Band Antenna Array on Single Substrate for IOT Application

DEPARTMENT OF ELECTRICAL ENGINEERING

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.

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.

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

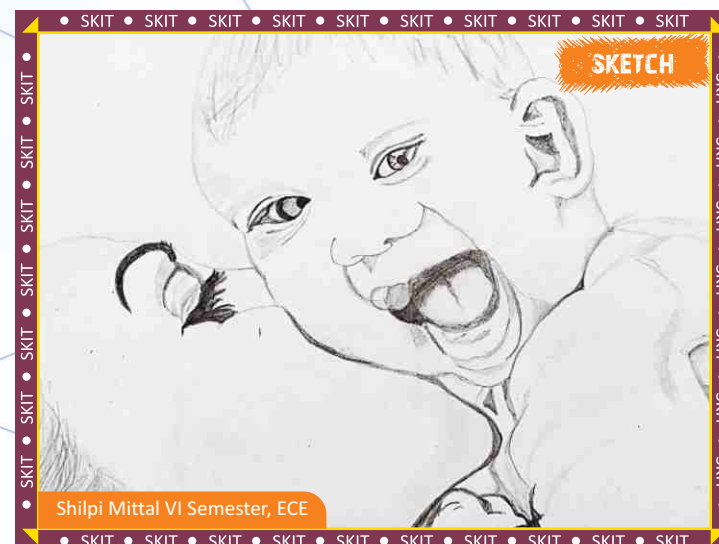
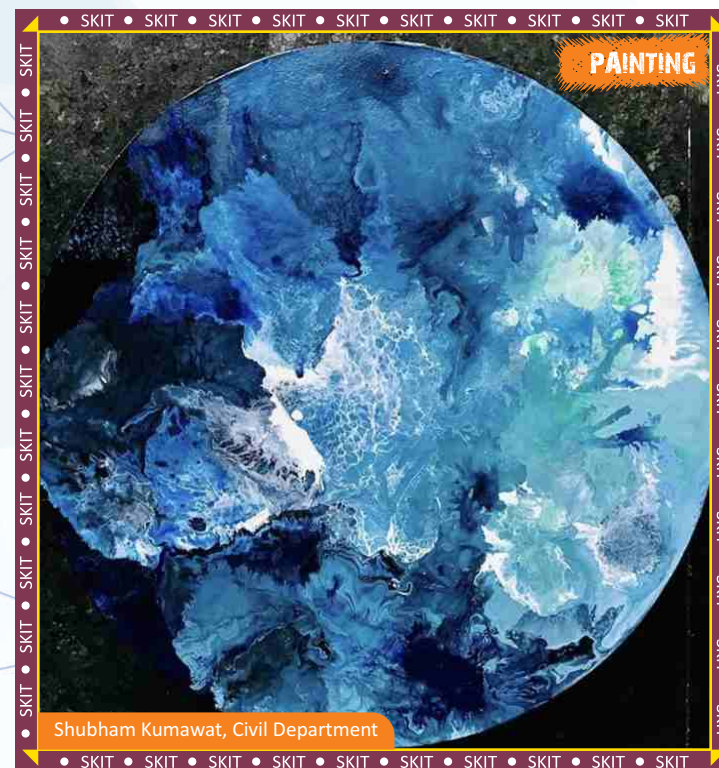
DISSERTATION TITLE : Application of Grey Wolf Optimization in Order Reduction and Speed Control of DC Motor

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



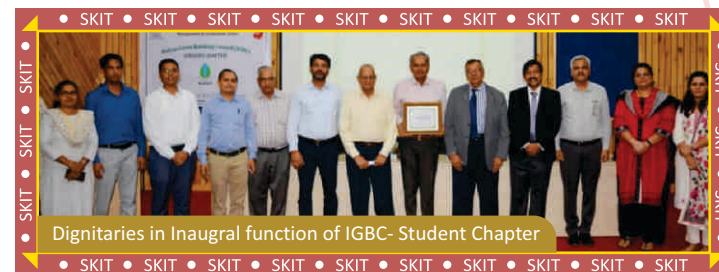
DEPARTMENT OF CIVIL ENGINEERING

TWO DAY WORKSHOP ON REVIT ARCHITECTURE



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. 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.



DEPARTMENT OF MANAGEMENT STUDIES

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 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. 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 Warriar, 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



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.

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

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.

NPTEL COURSES COMPLETED

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

TITLE : Waste Water Treatment and Recycling
COMPLETED BY : Saurabh Singh
DURATION : July-Dec 2019

TITLE : Advanced Concrete Technology
COMPLETED BY : Pooja Jain
DURATION : July-Dec 2019
TITLE : Integrated Waste Management for a Smart City
COMPLETED BY : Priyanka Gupta
DURATION : July-Dec 2019

TITLE : Fluid Mechanics
COMPLETED BY : Shubham Kumawat
DURATION : July-Dec 2019

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

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

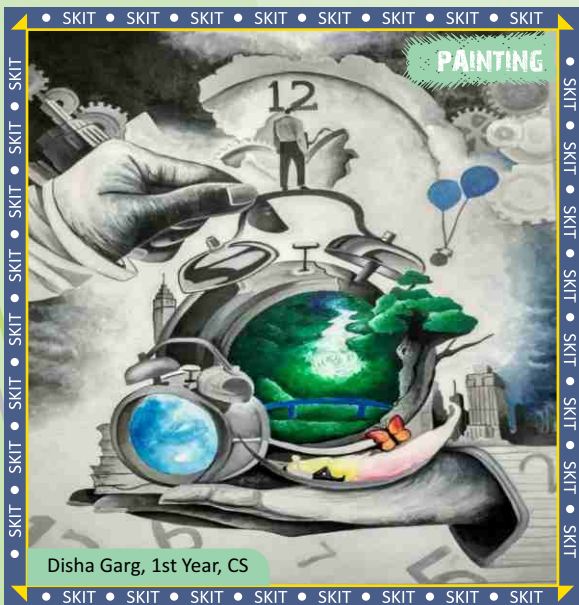
NAME : Maneesha Kaushik
TOPIC/SUBJECT : Leadership
DURATION : 4 Weeks, 2019

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



INSTITUTE OF PHARMACY

7TH INDO-US CONFERENCE ORGANISED

SKIP organized a one day 7th Indo-US conference in association with the International Branch and Punjab State Branch of Association of Pharmacy Professionals, at SKIT, Jaipur on 'Present Trends and Breakthroughs in Pharmaceutical Sciences'. The occasion was graced by Shri Ajay Fatak, Drug Controller of Rajasthan as Chief Guest, Professor G. Jaibalan, Dean Faculty of Pharmacy, RUHS as Guest of Honour, Shree Surjaram Meel as



Chairman SKIT, Shree Jaipal Meel, Director SKIT, Professor Hemlata Dullar, Principal SKIP and Dr. Sangeeta Aseeja, Organising Secretary, 7th Indo-US Conference. Professor Dullar welcomed all the dignitaries, Principal, Faculty and students. Professor Alekha K Das, Dr. Tapan Bahal, Dr. Nehal J Shah and Professor Alka Agarwal also addressed the audience. The students also exhibited their posters with presentations followed by cultural programmes. The conference concluded with a vote of thanks by Dr. Sangeeta.

WORLD PHARMACY DAY CELEBRATED

SKIP celebrated World the Pharmacy Day on 25 September, 2019. The celebrations began with an awareness rally on 'Safe and Effective Medicines for All" by the students. The main programme was graced by Dr. Alok Khunteta (Registrar, Rajasthan Pharmacy Council), Dr. Rajesh Yadav (Deputy Registrar, RUHS), Shri Jaipal Meel (Director, SKIT), and Prof. Hemlata Dullar (Principal, SKIP). Dr. Khunteta and Dr. Yadav enlightened the students about safe and effective medicines which could be beneficial for all. The vote of thanks was given by Prof. Hemlata Dullar.

QUIZ COMPETITION WINNERS RECIEVE 5000 CASH PRIZE

The students of SKIP bagged a winner's Trophy, Certificates and cash prize of Rs. 5000, in a Quiz competition held at Narayana Multi- speciality Hospital, Pratap Nagar, Jaipur. Seven pharmacy colleges from Jaipur district had participated in the competition. The trophy and prizes were given by Shri Kartik Ramkrishnan, Facility Director and Dr. Mala, Zonal Clinical Director, Narayana Multi-speciality Hospital.

DEPARTMENT OF SCIENCES & HUMANITIES

DEPARTMENT OF PHYSICS

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

TITLE : Physics of Materials
DATE : July-Sep 2019 (12 Week Course Equivalent to 1.5 weeks FDP Programme)
ATTENDED BY : Rishi Vyas

WORKSHOP ATTENDED

TITLE : One day Workshop on Linux
DATE : 23 August, 2019
ATTENDED BY : 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 : 15August. - 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-September, 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

DEPARTMENT OF CHEMISTRY

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 ENGLISH

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 and 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 and 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

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.

PAPERS PUBLISHED
IN JOURNALS

DEPARTMENT OF IT

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 ME

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. 4, 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

DEPARTMENT OF COMPUTER SCIENCE
ENGINEERING AND INFORMATION
TECHNOLOGY

TITLE : An approach of Data Protection over Cloud Storage through Randomize Tag Technique
AUTHORS : 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 AND
COMMUNICATION ENGINEERING

TITLE : Band Gap Engineering via Thermal Annealing for Al-Se-Cu Thin Film Structure for the Application of Resonant Tunneling Diode
AUTHOR/S : Swati Arora, Y.K.Vijay and Y. C. Sharma
JOURNAL : Oxford Journal of Intelligent Decision and Data Science, DOI:10.5899/2019/ojids-00042, October 2019

TITLE : Structural and Optical Characteristics of Nanoscale Semiconductor Lasers for Telecommunication and Biomedical Applications: A Review
AUTHORS : Jayprakash Vijay, Kulwant Singh, Dimple Soni, Amit Rath
JOURNAL : IOP Conf. Series: Materials Science and Engineering 594 (2019) 012002, doi:10.1088/1757-899X/594/1/012002, IOP Publishing, SV-TDFS -2018

TITLE : Design of Defected Ground Microstrip Patch Antenna with Tapered Feed for X-Band Application
AUTHORS : Ruchika Singh, Mukesh Arora, Suman Sharma
JOURNAL : SKIT Research Journal, Vol -9, Issue-1, pp. 42-44, ISSN-2278-2508 (2019.)

TITLE : Design Microstrip Patch Antenna for UltraWide Band Applications
AUTHORS : Manoj Sain, Mukesh Arora, Shubhi Jain
JOURNAL : SKIT Research Journal, Vol -9, Issue-1, pp. 62-64, ISSN-2278-2508 (2019.)

TITLE : Dual Band Metamaterial Inspired Antenna for Bluetooth/Wi-Max Applications
AUTHORS : Ankita Sharma, S. K. Bhatnagar
JOURNAL : SKIT Research Journal, Vol -9, Issue-2, pp. 43-48, ISSN-2278-2508 (2019.)

TITLE : Dual Band Notch UWB Antenna
AUTHOR/S : Ranu Yadav, S. K. Bhatnagar
JOURNAL : SKIT Research Journal, Vol -9, Issue-2, pp. 38-42, ISSN-2278-2508 (2019.)

TITLE : Plasmonic De-multiplexer with High Contrast Ratio using Metal-Insulator-Metal Waveguide
AUTHORS : Pooja Chauhan, Rukhsar Zafar
JOURNAL : SKIT Research Journal, Vol.9, Issue-2, pp. 55-58, ISSN-2278-2508 (2019.)

TITLE : Design of a Frequency Reconfigurable MIMO Patch Antenna for UWB and Notched UWB Characteristics
AUTHORS : Harshal Nigam, Monika Mathur
JOURNAL : SKIT Research Journal, Vol -9, Issue-2, pp. 36-40, ISSN-2278-2508 (2019.)

TITLE : A Review for Performance Improvement (BER, PAPR) of OFDM Signals by using Various Modulation Techniques & Selective Mapping Companding, Partial Transmit Sequences Companding Techniques
AUTHOR/S : Vipin Chouhan , Monika Mathur
JOURNAL : Journal of Telecommunication, Switching Systems and Networks ISSN: 2454-6372 (Online) Volume 6, Issue 2, September (2019)

DEPARTMENT OF CIVIL ENGINEERING

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.

DEPARTMENT OF PHYSICS

TITLE : Elliptical Shaped Wide Slot Monopole Patch Antenna with Crossed Shaped Parasitic Element for WLAN, Wi-MAX and UWB Application
AUTHOR/S : Pawan Kumar Jain, Brajraj Sharma
JOURNAL : Microwave and Optical Technology Letters, ISSN: 1098 2760, Oct. 2019

TITLE : Enhanced Optical and Dielectric Properties of PANI/rGO Nanocomposites for Supercapacitor Application
AUTHOR/S : Ajay Kumar Sharma, Rishi Vyas
JOURNAL : Journal of Nano-and Electronic Physics, ISSN: 2077-6772, Vol. 11, No 5 Oct. 2019

TITLE : Effect of rGO Concentration on the Thermal Stability of PANI/rGO Nanocomposites
AUTHOR/S : Ajay Kumar Sharma, Rishi Vyas
JOURNAL : Journal of Nano-and Electronic Physics, ISSN: 2077-6772, Vol. 11, No 5 Oct. 2019

TITLE : A New Sustainable Green Protocol for Production of Reduced Graphene Oxide and its Gas Sensing Properties
AUTHOR/S : Rishi Vyas
JOURNAL : Journal of Science: Advanced Materials and Devices, ISSN: 2468-2179, Vol. 4, No 3 Sept. 2019

DEPARTMENT OF ELECTRICAL ENGINEERING

TITLE : Comparison of Different Techniques to Identify the Best Location of SVC to Enhance the Voltage Profile
AUTHOR/S : Ankush Tandon, Sarfaraz Nawaz
JOURNAL : ICIC Express Letters, Volume 14, Number 1, January 2020



ALUMNI COLUMN

Hello SKIT!

LIFE AT SKIT:

Being a top private premier engineering institute in Rajasthan, SKIT has ample of resources and facilities to grow as a leader, creator, and enabler. I have spent 4 years of my life with the SKIT family and it's been an amazing journey from an aspiring engineer to an entrepreneur. I would like to thank the management staff, faculties, and support staff for being supportive and helpful to build my career within the campus by providing the required skills and opportunities. Being a day scholar, I missed the hostel life but surely it had been an awesome journey.

Message to Successors: Innovate Yourself!

In this fast pacing world of technology and innovation, it is necessary that we engineers should be in sync with this technological transformation. Go beyond classrooms and explore the opportunities to get exposed to current trends and technologies required by industries and enterprises. Just remember, "You will never know how far you can go unless you run", enjoy the college life and make a balance between fun and study. I wish all the very best for your future endeavours and SKIT Life.

Name: Abhishek Gupta
Branch: Electronics & Communication Engineering
Batch: 2014
Company: Start-up Oasis (Initiative by RIICO and CIIE-IIM Ahmedabad)
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SECRETS OF SUCCESS IN LIFE

A look at the history of mankind reveals a lot of inspirational stories of many successful people from different walks of life, who had achieved phenomenal success at some time in life. They were different. They were influential. They were motivational. However, we don't find any one liner recipes of success revealed from their stories. An undeniable fact of human life is that everyone wants to be successful, no matter how the definition of success differs from one individual to another. It is often seen that all courage and enthusiasm to pursue a goal goes haywire as the going gets tough. In other words, there is a tendency among people to give up their aspirations in the wake of adversities of life. The successful people are ready to go all out to attain their goals, whereas others give in to the situation without any resistance at the very first harsh condition. Success in life must be followed untiringly. Some pithy ways to do so are listed below:

BE FLEXIBLE: One of the key factors to succeed in life is to be flexible in thoughts and actions. The reason: the external environment is dynamic and the only thing that is constant is-- change in the circumstances and expectations with each passing day. Adaptability to a changed situation is a rare quality. An altered perspective gives fresh and creative ideas to find a new way to reach the goal in life. Flexible minds absorb failures and pressures with equal ease and comfort.

BE IN THE COMPANY OF THE RIGHT PEOPLE: The surroundings matter. A successful person is always encircled with people who have the traits of a winner. They are the people one can always bank upon for advice on multifarious matters. The right kind of people are knowledgeable, confident and mentally tough to deal with any situation. The capacity of rational thought or inference gets an upward lift in the company of such people.

FIND A WORK-LIFE BALANCE: As the time passes, daily family pressures and the work place stresses go up in a professional's life. Failure in either, makes things difficult and life complicated. As a result, the act of rearranging things in a right manner consumes a lot of precious time. The outcome: loss in the productivity due to ineffectiveness. Those who succeed are the ones who strike a perfect equilibrium between professional life and family life. Here time management plays a critical role. Nowadays, technological advancements have made it possible to finish professional commitments much faster than earlier times. However, there is no fixed recipe to find a logical way to a perfect work-life balance. But three factors may be taken into consideration for having a desirable work – life balance. They are gender, number of hours spent at work place and family characteristics. A subtle adjustment of priorities is required to be effective and satisfied at work place and be happy in the company of family members. Do not give up: The proverb, "fall down seven times, get up eight" is very inspiring. A successful person knows that success is never permanent and failure is never final. This is what we observe day in and day out in sports. The player who wins today may lose to the same opponent tomorrow. One of the rare qualities of all successful people is that

MELANGE

they are not quitters. They are combative by nature and are ready to sweat it out till eternity to make sure that success caresses their feet. Continue learning: Success gets embedded into life when a person keeps on acquiring knowledge about what is happening in the surroundings untiringly. What is significant in life is to understand that today's excellence is tomorrow's mediocrity. One common feature among those who have got their names etched in the history of mankind is that they had an insatiable appetite for continuous learning and they were avid readers all the time. Successful people are dynamic in nature and they are always evolving by maintaining a perfect harmony with time.

Prof. Sanjeev Mathur, Dept. of MBA.

ARTIFICIAL INTELLIGENCE IN PRODUCTION MANAGEMENT

The current trend in production plants is to move towards highly flexible production systems that can respond quickly to demand changes and to the processing of a variety of products. Artificial intelligence (AI) and Smart systems are playing an ever-increasing role in our daily lives. This trend does not spare industry and production, entailing the potential to gradually replace conventional management tasks. Although the numbers for AI applications in production are continuously growing, it was observed that AI applications that have been of high interest are process planning, production control and scheduling. Both tasks are situated in the realm of standard managerial functions and are thus prone to be accomplished by autonomous systems in the future. Sequencing and scheduling is a form of decision-making that plays a crucial role in manufacturing and service industries. Genetic Algorithm, Neural Network, and Fuzzy Logic are useful techniques for Sequencing and scheduling. Artificial Neural Networks (ANNs) are currently widely used in several production applications. Lo and Bavarian used a Hopfield neural network to predict and solve the assignment problem of parts to resources. This neural network is extended to a 3-D structure called Neuro Box Network (NBN) where the 3 axes correspond to part, machine and time. Minimization of an energy function was performed with the time needed to execute the schedule with the addition of feasibility of the given production schedule. Some authors proposed a fuzzy scheduling mechanism for job shops, that they name FUZZY. The only problem that they actually attack is the priority setting problem for a free machine choosing in its buffer the next job to serve. The authors consider clients demands and divide the orders into three categories: normal, express and just in time (JIT). Genetic algorithms are an optimization technique that is efficient for complex and high-dimension problems with irregular objective functions. GA can be used to determine a schedule for a job-shop where the objective is lateness minimization and earliness maximization. The objective of minimization of the schedule length along with its cost can be achieved with the use of GA. Thus, AI system can be effectively used in sequencing, scheduling, production cost, inventory control etc.

Dr. Deepak Kumar, Associate Professor, Dept. of ME