



CONSECUTIVELY FOR 4th YEAR

वार्षिक अंक - 48

SKIT TIMES 2021



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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NEERAJ
CHOPRA

PROUD MOVEMENT
OF INDIA

THE EDITOR SPEAKS



Greetings for the Academic Year 2021-22!

Let us welcome the new academic year 2021-22, with a new hope, and a fresh silver lightening of getting back to 'normal life' from the 'new normal' soon.

COVID-19 Pandemic has surely altered lives and disrupted 'normal life' across the planet and posed new challenges before all the sections and segments. Though we all missed face to face interactions, we resolved to ensure that there is no loss in academics. The teachers delivered curriculum with the adaption of new tools in online teaching, the students received it sitting in the safe corners of their cosy homes.

Most of us continued to demonstrate diligence, motivation and determination to work to the best of our abilities to learn new ways, tools and techniques to keep marching ahead. We have carved out new paths for moving towards our goals and also strengthened the foundations of resilience to face such difficult events in the future.

We, at SKIT, have ceaselessly strived for excellence with a vision for an all-round, balanced education based on sound intellectual, physical, ethical and social values.

Let us leverage our power and potential to propel our country towards the path of progress as I believe that " The obstacles of our past can become the gateways that lead to new beginnings."

Stay well! Stay positive! Keep Smiling!

Krishna Sharma
Editor-in-chief.

MESSAGE



Education is the movement from darkness to light.
Allan Bloom

SKIT follows a well-planned comprehensive education system where not only the academic needs of the students are addressed but it also helps them in developing a compassionate understanding of the world around them. This integrated learning approach is intended to keep pace with the ever evolving and dynamic trends and challenges of the industry and society today.

Learning should be based on doing things and not merely knowing things. The worth of any school and college education lies in its ability to train the young minds to think something that cannot be learned from textbooks. SKIT endeavours to build this capacity in its students so that they are able to use the knowledge wisely.

We earnestly wish to serve the society by moulding the technocrats and business leaders of tomorrow.

Good Wishes

Jaipal Meel
Director



SKIT is known for its quality and excellence. Our objective is to impart professional education by nurturing innovative thinking and imparting professional ethics and consciousness in an integrated manner. We focus on experiential learning providing hands-on educational experiences to students which often include problem-solving exercises to address community problems and creating innovative products.

I heartily congratulate all those who have taken pains to bring out the annual issue of SKIT TIMES which is a compilation of the yearlong activities of the institution.

Good Wishes

Prof S.L Surana
Director Academics



It gives me a great pleasure to know that the magazine is ready for publication. A college magazine is an ideal platform for the students to explore their talent. It is an authentic statement of the progress and outstanding achievements that an institute has to its credit.

I appreciate and applaud the editorial board for completing this task on time. May all our students ascend high in unfamiliar skies and bring fame and grandeur to the world and their profession.

Best Wishes

Ramesh Kumar Pachaar
Principal

NEWS FLASH

ACCORDED POSITION AMONG THE TOP 100 PRIVATE ENGINEERING INSTITUTES IN INDIA BY OUTLOOK MAGAZINE

Outlook Magazine has announced SKIT has been accorded a position among the Top 100 Private Engineering Institutes in India. It is the immense matter of pride is that SKIT is the only Private Engineering College from Rajasthan to have secured a position in this list of ranking. SKIT Family more motivated and feels more responsible to carry out the work with more dedication.

SKIT
SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY MANAGEMENT AND GRAMOTHAN, JAIPUR

WE ARE PLEASED TO ANNOUNCE THAT SKIT HAS BEEN CONFERRED WITH THE FOLLOWING

AWARDS AND ACHIEVEMENTS
Ranked

OUTSTANDING
CSR
Engineering College of excellence by CSR award

In top 100
OUTLOOK
OUTLOOK award

Ranked
1
in Engineering Program in Rajasthan for the 4th Consecutive Academic Year 2020-21 by RTU, Kota

President Distinguished Club-2020
SKIT-TOASTMASTERS

Rated
AA
By NPTEL (India award)

Rated
AAA
By IIT Bombay award

Excellence in placements (2019-20) by "First INDIA News"

Swachhhta Action Plan Institution by MHRD

Fantastic 5-Award-2020, SKIT-TOASTMASTERS

ARIIA
RANKING award

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SKIT FEATURED CONSECUTIVELY SECOND TIME IN THE TOP 100 INSTITUTES IN SWAYAM-NPTEL LOCAL CHAPTERS WITH AA RATING.

The Institute has consistently performed well in the National Program on Technology Enhancement Learning (NPTEL) and has therefore been ranked 19th with an AA rating in the Jan-Dec 2020 session out of over 4000+ local chapters across the country.



Photo-frame of top 100 institutes

In addition, SKIT has secured the third position in (Best Faculty Performance). Our institute has secured 44th position in the top 100 local chapters with "AA" rating in the July-December 2019 session.



Photo-frame of "Best Faculty Performance"

As per the latest rating released by NPTEL, our institute is the only institute in Rajasthan to have secured its place in the Top 100 SWAYAM-NPTEL Local Chapters (Jan-Dec 2020).

Some more Important achievements in Jan-Dec 2020 Courses are:

1. This time 70 of our students and faculty members received the certificates of NPTEL Stars.
2. 42 faculty members got Mentor Certificates out of which 18 are Top Performing Mentors.
3. 41 students and faculty members topped the various courses in Jan-Dec 2020 session.
4. 30 students and faculty members were awarded Gold Certificates in various courses in session.

FREE COVID-19 VACCINATION CAMP HELD AT SKIT

A free Covid-19 vaccination Camp was held at SKIT campus in association with the Health Department, Govt. of Rajasthan, on 9 April, 2021. Shri Surja Ram Meel (Chairman SKIT), Shree Jaipal Meel (Director SKIT), Prof. S. L. Surana (Director Academics) and Dr Ramesh Kumar Pachar, (Principal) formally inaugurated the vaccination camp. Shri Jaipal Meel said that SKIT has always fulfilled its social welfare responsibilities, and this camp was one such event in that chain. He also thanked Mrs. Rekha Karol (Parshad), Sarpanch of Dantli and all others members for their cooperation in the camp.

The vaccination drive was carried out by two teams under Dr Jyoti Sharma, from Indira Gandhi Nagar, UPHC. Dr Pushpa Chaudhary (RCHO) and Dr Dharmendra Chaudhary (DNO) supervised the vaccination drive from 9 am to 4 pm. People from Dantli village, Ramnagariya and nearby colonies were benefitted by this free vaccination camp. In all 381 persons were vaccinated.

NATIONAL WEBINAR ON "IMPLEMENTATION OF NATIONAL EDUCATION POLICY (NEP) 2020" ORGANIZED

The 'Ek Bharat Shreshtha Bharat Club' (EBSB) of Extra Curricular Activities Cell, SKIT, organized a national webinar



Photo-frame of Covid-19 Vaccination Camp

on "Implementation of National Education Policy (NEP) - 2020" on April 28, 2021 under the supervision of AICTE, New Delhi. Dr Ramesh Kumar Pachar (Principal SKIT), Dr Mukesh K. Gupta (Head CSE), Dr Dhanraj Chitara (Head EE), Dr Mukesh Arora (Head, ECE), Dr Dheeraj Joshi (Head ME), Dr Rohit Mukherji (In-charge I Year), Mr. Kailash Soni (ECA Coordinator) also graced the occasion. Dr Anil Chaudhary, Head, Dept. of IT, welcomed the dignitaries and participants. Explaining the importance of NEP to the students he added that NEP will prove to be a new mile-stone in carving the nation.

The Chief Guest Prof. (Dr) Vinayak N. Seth (Ex-Principal, presently working as Prof. in Electrical & Electronics Department, Govt. Engineering College, Goa) in his address emphasized that NEP would lead the nation towards a new direction with its goal is to educate every child of the country in right direction, so that he may give his contribution as a responsible citizen of the country.

FARMERS LEADER, SHRI RAKESH TIKAIT VISITS SKIT

Leader of the Farmers, Shri Rakesh Tikait visited SKIT campus on 23 March, 2021. Shri Rajaram Meel (President Jat Mahasabha), Shri Surja Ram Meel (Chairman SKIT), Shree Jaipal Meel (Director SKIT), and Dr Ramesh Kumar Pachar, (Principal), and other members of SKIT were also present on the occasion. Shri Tikait visited various Labs of The Institute and praised various projects undertaken by the students. He said that innovations and contribution of the engineers and agriculture scientists in the field of agriculture is very important. Use of new technologies in agriculture will improve the conditions of the farmers and production in the larger interest of our country. He also applauded the work being done by SKIT in this area.



Photo-frame of visit

SKIT RECOGNISED AS A 'MEMBER OF NATIONAL RURAL ENTREPRENEURSHIP MISSION'

Swami Keshvanand Institute of Technology Management and Gramothan has been recognized as a 'Member of National Rural Entrepreneurship Mission' by Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India. Dr. Savita Choudhary, and Ms. Priyanka Payal from the Department of Management Studies represented the institute in the event. With the mission of inculcating entrepreneurship among the students a 'Rural Entrepreneurship Development Cell' has been constituted in the Institute with a Team of Faculty.

Leaders for handling wings of:

1. Training and Placement
2. Personality Development
3. Technology
4. Entrepreneurship and
5. Rural Engagement

'AAGAZ': ORIENTATION PROGRAMME FOR B.TECH. I YEAR STUDENTS

The institute conducted its Orientation Programme, 'AAGAZ' for B.Tech. First Year students from 25 November to 30 November 2020. Due to ongoing pandemic, the programme took place in virtual mode on Cisco WebEx online platform. Prof. R A Gupta, Vice- Chancellor, RTU Kota graced the inaugural ceremony as the Chief Guest and Mr. Ajay Pal Lamba (IPS) was invited as the Guest of Honour. They were welcomed by Shri Surja Ram Meel, Chairman, SKIT. After that Prof. S.L. Surana (Director, SKIT) encouraged the students to take their zeal to a new development at SKIT. Chief Guest of the function, Prof. R A Gupta, Vice-Chancellor, RTU inspired the students and explained the new policies of the RTU to the freshers.

Prof. Ramesh Pachar, Principal, SKIT informed about the infrastructure of the college along with the mission and vision of the college. After this, IPS Mr. Ajay Pal Lamba threw light on the importance of hard work and nobility in human life with his precious words. The inaugural ceremony ended with vote of thanks proposed by Prof. Rohit Mukherjee, In-

charge B.Tech First Year, he wished the students to have a great learning experience at SKIT. The five-day induction programme comprised of many enthralling sessions for the students covering a plethora of topics. There were sessions on Universal Human Values in which proficiency modules were discussed, session on career building and a motivational talk on the role of communication in one's life along with an interactive session 'Samvaad' with SKIT Alumni was also organized. Mr. Ajay Pal Lamba threw light

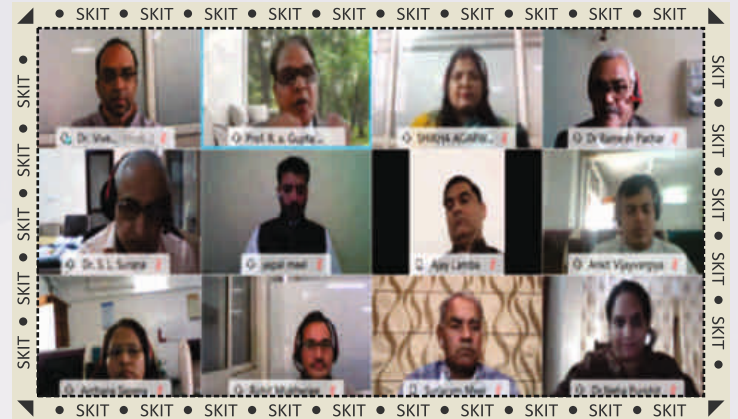


Photo-frame of the Programme

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'SHUBHARAMBH': ORIENTATION PROGRAMME OF MBA- BATCH 2020-2022

Embarking the new academic session of MBA, that commenced on December, 9th 2020, an orientation program "SUBHARAMBH" was organized at DMS, SKIT for the new batch of MBA students. The first-ever online orientation programme was organized with the objective to groom and motivate the entrants to be a good professional and inculcate the attributes and values of a management

professional; to develop a sense of commitment towards the nation and profession.

This orientation programme was designed to give the students an understanding of the big picture of various businesses and build basic competencies in their areas such as finance, strategy, operations, marketing etc. Students were introduced to the unsettling truth that business problems don't come in tidy packages, but spill out unsystematically across disciplines and departments. Eminent guest speakers from the industry were invited to narrow down the academia - corporate requirement gap. The orientation program started with 'Mera Parichay-Meri Pehachaan', an introduction session of the faculty members and new students to know each other Dr. Maneesha Kaushik, Programme, (Coordinator) delivered the welcome speech.

Dr. Savita Choudhary, addressed the new entrants and briefed the about their journey and various undertakings during their management programme at SKIT. Director (Academics), Prof. Dr S.L. Surana, briefed about SKIT's achievements since its inception and informed the students regarding various online learning platforms that they must utilize in present times to gain competitive advantage. Shri. Ramesh K. Arora, CEO, Management Development Academy, talked about Human Values with the main emphasis on 'Power of Praising & Positive Criticism'.

He talked about praise as a way through which we can enhance our relationships with those who are important in our lives. "Try to praise at least 10 people in the whole day as 3,650 praises will lead to 3,650 smiles", he added among other important dimensions of praise. Shri Arora, explained about Positive Criticism too, saying that the criticism should be short, brief not in harsh language. Dr. Atul Gupta took a Session on - Marketing Mania, where the students participated in a marketing activity to present their marketing skills through digital interaction. Ms. Priyanka Payal discussed about code of professional conduct, rules & regulations in MBA and shed light on various extra-curricular activities. In his Key-note address the Chief Guest, Shri Chintan Bakshi (CEO, Startup Oasis), shared the unique experience of managing new ventures and start-up companies that address the rural markets and are built around a rural ecosystem. Lastly, a vote of thanks was given by Dr. Ona Ladiwal, Associate Professor, DMS.

BE THE CHANGE THAT YOU WISH TO SEE IN THE WORLD.

- Mahatma Gandhi

ECA CELL ACTIVITIES

"AAVISHKAR" COMPETITION ORGANIZED

ECA cell of SKIT organized an online competition Aavishkar on the occasion of Engineer's Day on 15 September, 2020. The objective of the event was to pay tribute to Sir Mokshagundam Visvesvaraya, assess views regarding innovation competitions as a tool of teaching and learning and explore new application fields for innovation. All the participants submitted their projects/works with complete

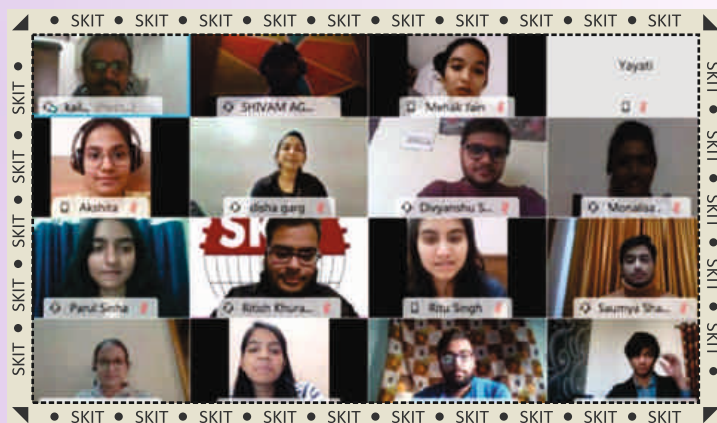


Photo-frame of Competition

details through email. E-certificates were issued to winners on their email. Overall, the feedback received was overwhelmingly positive with 100 percent of participants commenting favorably for the experience. The program was coordinated by Mr. Kailash Soni, Chief Coordinator ECA.

ONLINE "QUIZ COMPETITION"

"Learning gives Creativity, Creativity leads to thinking, Thinking provides knowledge, Knowledge makes us Great..." To provide an online platform for everyone to showcase their intelligence and presence of mind, ECA cell organized an online quiz competition on the occasion of Engineer's Day. The objective of the event was to enhance the technical and academic knowledge and

assesses views regarding quiz competitions as a tool of teaching and learning. More than 100 participants including students, teachers, research scholars and alumni across the country participated the quiz. E-certificates were issued to the winners on their emails. The program was coordinated by Mr. Kailash Soni, Chief Coordinator ECA.

ONLINE DEBATE ORGANIZED ON THE OCCASION OF 'MAHATMA GANDHI JAYANTI'

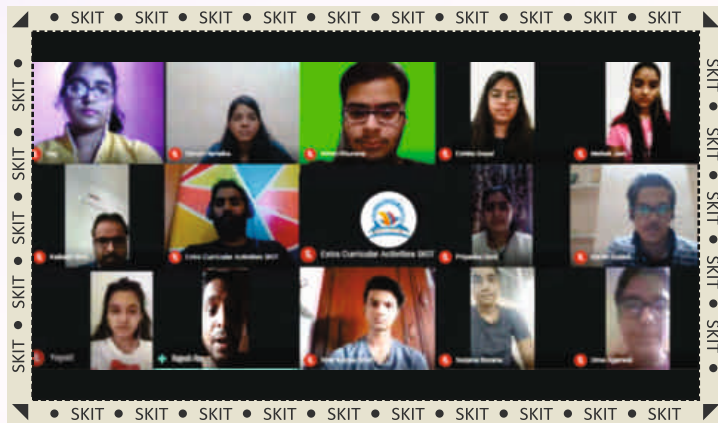


Photo-frame of the programme

2nd October is the birth anniversary of Mohandas Karam Chand Gandhi, known as the Father of the Nation. Gandhi Jayanti has also been declared as the "International Day of Non-Violence" by the United Nations General Assembly on 15 June 2007. On this special occasion, ECA Cell organized an online debate competition on "Is Gandhian Philosophy Relevant Today?" to showcase the articulating skills, fluency and accuracy of the participants. The program was hosted, strictly for SKIT family, by Shruti Harlalka, ECA core team member and coordinated by Mr. Kailash Soni, Chief Coordinator - ECA. E- certificates were issued to the winners.

"CLUB ORIENTATION - 2020" ORGANIZED BY THE ECA CELL

The ECA cell of SKIT, organized 'Club Orientation Programme' for the newly admitted B. Tech. students on 29 November 2020 under the first year orientation program "AAGAAZ". With an objective to make the new students familiar with ECA cell & the clubs working under it and introduce them to college services which support their educational, personal goals and introduce various activities which will be conducted under in the Institute. The programme was inaugurated by Dr. Rohit Mukharjee, In-

charge first year, and Dr. Archana Saxena. Total 30 clubs from different fields and interests presented their aims, workings and benefits. Later, a registration form was circulated for the students to get themselves registered in clubs of their choice. The program was coordinated Mr. Kailash Soni, Chief Coordinator, ECA.



Photo-frame of the Programme

THE CRYPTEX" - TREASURE HUNT COMPETITION

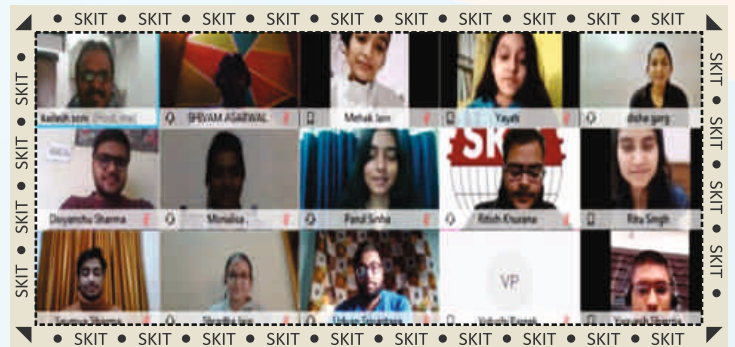


Photo-frame of the Programme

An online treasure hunt competition "Cryptex", strictly for SKIT students only, was organized by ECA cell on 25 October 2020. With an objective to enhance team work among students, boost their self-confidence and cognitive abilities. The event was a time bound activity comprising three rounds -- virtual hunt, pictorial tracking and logical reasoning respectively- with each round being eliminating round on the basis of spontaneity and precision. The students thoroughly savored decoding the hints. E-certificates were provided to the winners on their emails. The event was coordinated by Shivam Agarwal, Mansi Pareek, Shruti Harlalka, Mehak Jain, Vinit kumar Shah, Yayati, Eshita Goyal, Ritish Khurana.

**"A LITTLE PROGRESS EACH DAY
ADDS UP TO BIG RESULTS."**

INTRA- COLLEGE DANCE COMPETITION "TIP TAP TOE" ORGANIZED

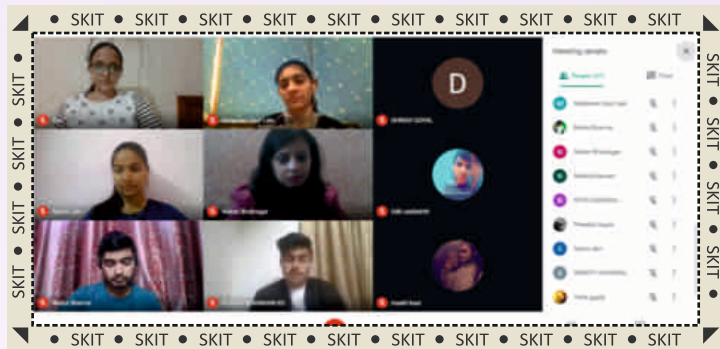


Photo-frame of the "Tip Tap Toe"

SKIT Dance Club organized an intra college dance competition "TIP TAP TOE" on 21 January, 2021. The judge for the competition was Mrs. Nikhar Bhatnagar. The competition was successfully executed on online platform via Google meet and Instagram. A series of breath-taking and energetic Cperformances by the participants stole the show. Following winners were selected based on the counts of likes for their dance videos on official page of SKIT Dance Club on Instagram.

Position	Name of student
Most Liked Video	Dhruvi Goyal
Winner 1	Isha Tripathi
Winner 2	Shreya Jindal

INTRA- COLLEGE DANCE COMPETITION "FOOTLOOSE" ORGANIZED

SKIT Dance Club organized an intra college dance competition "FOOTLOOSE" on 12 April, 2021. The judges for the event were Ms. Nikhar Bhatnagar and Ms. Priyanka Bharadwaj. The competition took place in two rounds, first one being an elimination round in which 8 participants qualified for the second round. Further, three positions were awarded to the following student winners:

Position	Name of student
First	Samyak Jain
Second	Tamanna Sharma
Third	Rituraj Sain

EVENTS OF 'ECO FRIENDS CLUB'- SKIT, ORGANIZED

1.DISCUSSION ON 'EFFECT OF CORONA VIRUS ON HUMAN HEALTH' Eco Friends Club of SKIT, organized a discussion on 'Effect of Corona Virus on Human Health' on 18 December, 2020. 14 students participated in the on-line club meeting. Students expressed their views on the topic and talked about the preventive measures. Dr. Poonam Ojha coordinated the event.

2.ENVIRONMENT APPRAISAL PHOTOGRAPHY CONTEST Environment Appraisal Photography Contest was organized on 18 January, 2020, on the occasion of Martin Luther King Day. 27 students sent their photographs for the event. Jitendra Agarwal (EE, V Sem.) was selected for first prize, Yatin Parmar (ECE, I Sem.) and Khushi Garg (ECE, I Sem.) were selected for second and third prize respectively. Participation certificates were given to all the participants. Dr. Swati Joshi was the coordinator of the event.

3.DEBATE COMPETITION ON "IMPACT OF POLLUTION ON BIRDS" ECO Friends club organized a virtual debate competition on the topic "Impact of Pollution on Birds". 10 club members participated in the event and shared their thoughts on the topic. Neha Sharma (EE, I Sem.) was declared the winner.

EVENTS ORGANISED BY SCIENCE AND TECHNOLOGY CLUB, SKIT

EVENT 1: CODE WITH S &T: A coding competition was held on the platform "Hacker Rank" on 9th June, 2020. Top three students winners were featured on the clubs official Instagram handle. All 300+ participants were awarded with participation certificates. Program was Coordinated by Mihir Jain (IT, 4th Yr.)



EVENT 2. 11 DAY BOOTCAMP ON LINUX AND PYTHON:

S & T Club conducted an eleven day bootcamp from 19 to 30 June 2020 where students were taught the basics about Linux. They learnt about creating account on AWS and launching Redhat instance and the use of putty. Second day marked the initialization of Linux OS with knowledge of File, Folder and Batch Management. On the third day, they were taught Package Management and copying/moving files. Topics Like Permission and User group Management were covered on the Fourth day. On the fifth day students were introduced to Web hosting.

Python Installation instructions and Linux Partitions were taught on the Sixth day. Moving forward, Students learnt the basics, input /output and data types in python on the seventh day followed by operators, conditional statements and iterators on the eighth day. Important topics by the likes of File Handling and Functions in Python were taught on the ninth day. Tenth day marked the discussions on exception handling and modules in python along with Operating System Interactions (OSI). On the last day of the bootcamp, students made a mini project in python. Daily Lectures were also uploaded on our YouTube channel. Coordinator of the event was Ritesh Sharma of 2nd Year, CSE. Instructors were Bhupesh Aggarwal, Kartik Saraf, Rohit Agrawal and Siddesh Dosi (All from 4th Year IT)

EVENT 3: AARAMBH

An Introductory Session was held on 5th December, 2020 to make the students and freshers aware of club activities and upcoming events. The coordinators of the club Dr. Sharda Soni and Mr. V.S. Marwal welcomed the freshers and motivated them to take enthusiastic participations in all activities of the club.

EVENT 4: C BOOTCAMP

An 18-day Bootcamp was held from 11 to 29 December, 2020, in which the core team members of the S & T Club taught and helped the students with the C language and its applications. The Coordinators of the event were Rajat Malik and Rohit Verma of CSE, 2nd Yr.. Instructor was Ritesh Sharma of CSE 2nd Year.

EVENT 5: 'WEB DEV'

An online event WEB DEV was conducted on 30 December, 2020 to familiarize the students with various aspects of Web Development. Students were also provided with a hands-on roadmap to guide them with different languages and frameworks. The event was coordinated by Mihir Jain (IT, 4th Yr.) and the instructor was Ritesh Sharma (CSE, 2nd Yr.)



File Photo Event 5

EVENT 6: DISCUSSION ON HACKATHON & HR CONCLAVE

To guide students with basics and requisites of hackathon, Science and Technology Club conducted a discussion-based event on 30 Dec. 2020. Discussions by Club's core team included ways to approach a problem statement, technologies and frameworks. Rahul Sharma of 4th year IT guided and mentored the students. Rajat Malik of CSE 2nd Year coordinated the event.

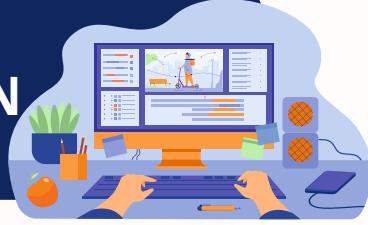


Tanishka Sharma



Kumkum Maurya
(CE)

DEPARTMENTS OF COMPUTER SCIENCE AND ENGINEERING & INFORMATION TECHNOLOGY



STUDENT WORKSHOP ON “DATA SCIENCE & ANALYTICS”

To create industry ready engineers and achieve the educational goals, the departments of Computer Science and Engineering and Information Technology of SKIT, under the aegis of RTU, Kota jointly organized a TEQIP-III RTU (ATU) sponsored Student Workshop on “Data Science & Analytics” from August 11 to 25, 2020 (Ref No: RTU/TEQIP-III/F (56)/2020-21/4901-05).

FDP ON “SALESFORCE TRAILHEAD”

The Departments of Computer Science Engineering and Information Technology of SKIT, Jaipur under the aegis of RTU, Kota, jointly organized a TEQIP-III RTU (ATU) sponsored Faculty Development Program on “Sales force Trail head” from September 16 to 20, 2020 (Ref No: RTU/TEQIP-III/F (56)/2020-21/4923-29/10).



Glimpse of the Inaugural ceremony

The Inaugural ceremony witnessed the graceful presence of, Prof. R. A. Gupta, Hon'ble Vice-Chancellor, RTU, Kota, Chief Guest and Dr. Dharendra Mathur, RTU (ATU) TEQIP-III Coordinator, Guest of Honor. Three sessions were conducted each day by various industry experts. Faculties learned about the basic concepts and key components of Sales force; the development of Sales force API's and their integrations with different Apps. Prominent industry experts invited in the FDP included - Shrey Sharma (Chief Executive Officer, Cyntexa, Jaipur), and experts from Ranosys Technologies, Jaipur- Sachin Upmanyu, (Team Leader), Abhishek Pareek (Senior Software Engineer), Sakshi Khanna (Senior Business Analyst), Suman Choudhary (Senior Software Engineer), Mahesh Jikhariya, (Associate Software Engineer), Ms. Uma Shankar, Ms. Kratika Tiwari (Q3 Technology Jaipur), and Mr. Rajeev Koul (Sr. Program Manager, Agile Compunnel Inc, Noida). The FDP was coordinated by Dr. Harish Sharma (RTU Event Coordinator). Host Co-coordinators were- Dr. Neha Janu, Ms. Richa Rawal, Ms. Sanju Choudhary, Mr. Kailash Soni.

The objective of the workshop was to understand the concepts of data science and analytics, provide an exposure of basic and advance python programming, hands-on-experience of best practices for data processing through various case studies and the hands-on learning with Scikit-Learn and Data Analysis Library Chief Guest of the event, Prof. R. A. Gupta, Hon'ble Vice-Chancellor, RTU, Kota, Guest of Honor Dr. Dharendra Mathur, RTU (ATU) TEQIP-III Coordinator and Prof. Sudhir Calla, CMD (SPICESC), Ex. CMD (RRVUNL) graced the inaugural ceremony. Three sessions were conducted on each day by various industry experts like: - Mr. Ankit Jain (Senior Software Developer, Smiths Detection Systems Private Limited, Bangalore-IITB),

Mr. Atma Kumar Rai (Data Scientist, ADTECH Corp, Hyderabad), Mr. Ramendra Kumar (ML Consultant, TGSane Technologies, IITD), Mr. Harendra Sharma (Full Stack Website Developer & Back-End Developer, Ericsson India Global Services Private Limited, Noida).The workshop was coordinated by Mr. Kailash Soni and Ms. Sanju Choudhary, under the supervision of Dr. Mukesh Kumar Gupta (Professor & Head, CSE).

FDP ON “BLOCKCHAIN TECHNOLOGIES AND ITS APPLICATIONS”

AICTE Training and Learning (ATAL) Academy Sponsored Online Faculty Development Programme (FDP) on “Blockchain Technologies and its Applications” was successfully organized by Department of Computer Science & Engineering in the Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur from 23 to 27 November, 2020. The programme aimed to provide the state of the art trends and advancements of Blockchain Technologies and its Applications, an exposure to IoT Tools and Techniques to enhance the teaching and research skills, Blockchain Technologies and Application, Bitcoin and Crypto Currencies, Electronic payments vs. Crypto Currencies,

Blockchain and FinTech, Cryptographic tools for blockchains-I, Consensus, mining and smart contracts, Blockchain and supply chain, Security related issues in Blockchain, Blockchain and IoT, Hands-on Hyperledger, etc. to the faculty members of different organizations. 103 participants from different IITs/NITs, and industry experts from Mumbai, Delhi, Punjab, Haryana, Maharashtra, Uttar Pradesh, Gujarat, Hyderabad Telangana, Gurugram, Puducherry, Andhra Pradesh, Tamil Nadu and Rajasthan enrolled and attended Programme. Mr. Narahari Dasa (Life Coach & NIT alumni) from Akshaya-Patra foundation, Jaipur enlightened the audience about maintaining mental health and stress during the valedictory session. The program was coordinated by Dr. Mukesh Kumar Gupta (Professor & Head, CSE), Course coordinator, Dr. Pankaj Dadheech and Mr. Kailash Soni, Course Secretary, and departmental Faculty members.

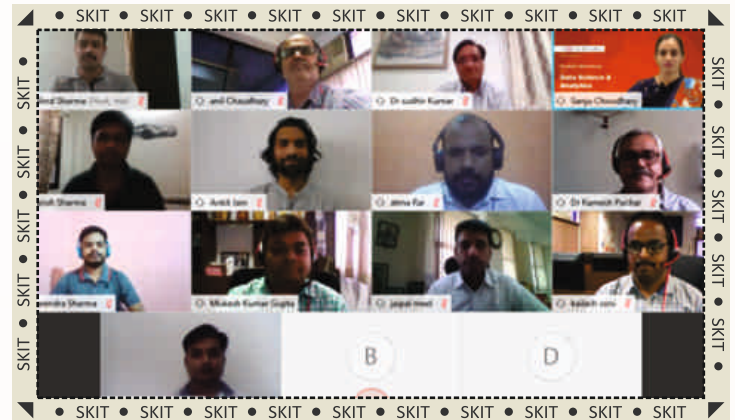
10 DAY STUDENT WORKSHOP ON “EMERGING WEB DEVELOPMENT TRENDS”

The Department of Computer Science and Information Technology organized a ten day online Student Workshop on “Emerging Web Development Trends” from 22 to 31 August, 2020 in collaboration with Rajasthan Technical University, Kota and JNTU, Hyderabad under the aegis of RTU (ATU) TEQIP-III. The aim of workshop was to provide hands-on experience to the students in the field of emerging Web development tools and technologies that are currently being used in industries.

The participants gained knowledge about recent technologies like PHP, AJAX, Angular, ES6, Micro service Architecture, Node JS, Bootstrap etc which will help them to build interactive websites and web apps. 162 students from various institutes and universities all over the country participated in the programme. The event was coordinated by Dr. Mukesh Kumar Gupta, Ms. Palika Jajoo, Ms. Rashmi Dadhich, Mr. Ashish Pant and Mr. Kanak Giri. Chief Guest of the event, Prof. R. A. Gupta, Hon'ble Vice-Chancellor, RTU, Kota, Guest of Honor Dr. Dharendra Mathur, RTU (ATU) TEQIP-III Coordinator and Prof. Sudhir Calla, CMD (SPICESC), Ex. CMD(RRVUNL) graced the inaugural ceremony.

Three sessions were conducted on each day by various industry experts like: - Mr. Ankit Jain (Senior Software Developer, Smiths Detection Systems Private Limited, Bangalore-IITB), Mr. Atma Kumar Rai (Data Scientist, ADTECH Corp, Hyderabad), Mr. Ramendra Kumar (ML

Consultant, TGSane Technologies, IITD), Mr. Harendra Sharma (Full Stack Website Developer & Back-End Developer, Ericsson India Global Services Private Limited, Noida), who addressed the sessions in the workshop. The workshop was conducted by Mr. Kailash Soni and Ms. Sanju Choudhary, under the supervision of Dr. Mukesh Kumar Gupta (Professor & Head, CSE).



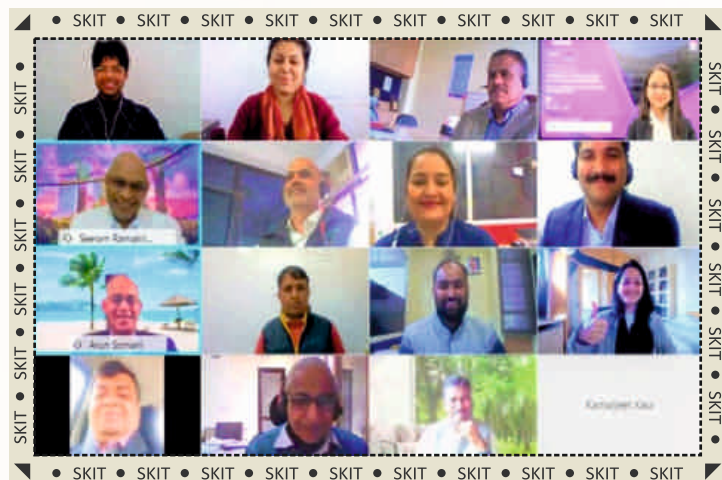
Glimpse of the Inaugural ceremony

4TH INTERNATIONAL CONFERENCE ON “EMERGING TECHNOLOGIES IN COMPUTER ENGINEERING: DATA SCIENCE & BLOCKCHAIN TECHNOLOGY” ORGANIZED

A two- day International Conference on “Emerging Technologies in Computer Engineering: Data Science & Blockchain Technology” (ICETCE-2021) was organized by the Departments of CSE and IT on 3and 4 February 2021. Prof. (Dr). S. L. Surana - Director (Academics), SKIT welcomed all the dignitaries and participants. Plenary Talk-I was delivered by Conference Chair- Prof. (Dr.) Arun K. Somani, Associate Dean for Research, College of Engineering, Iowa State University, Ames, USA. Plenary Talk-II was given by General Chair- Prof. Seeram Rama krishna, Vice President Research Strategy, Professor, Faculty of Engineering National University of Singapore (NUS), Singapore.

Prof. (Dr.) Anil Chaudhary, briefed about the themes of the two-day conference. This was followed by the inspiring and motivational words of Guest of Honour-Ms. Mona Bharadwaj, Country Manager, University Relations, IBM Research, Bangalore, and a motivational talk by Guest of Honour - Mr. Victor Sundararaj A., Head- Engineering and Emerging Technologies Academy, Education Training and Assessment (ETA), Infosys Limited. The inaugural session ended with the vote of thanks by Prof. (Dr.) C. M. Choudhary, SKIT.

In Track-1 on “Internet of Things (IoT): Applications and Technologies”, the keynote address was delivered by Dr. G. R. Sinha, Professor, Myanmar Institute of Information Technology (MIIT). Mandalay, Myanmar; and Technical Session was chaired by Dr. A. Nagaraju & Dr. Ramesh C. Poonia.



Glimpse of the Programme

In Track-2 on “Machine Learning and Applications”, keynote lecture was given by Prof. Seeram Ramakrishna, Vice President, Research Strategy, NUS, Singapore, while Technical Session was chaired by Dr. Basant Agarwal, Mr. Gaurav Meena & Mr. Raviraj Choudhary. **In Track-3** on “Soft Computing” keynote lecture was given by Dr. Tarun Kumar Sharma, Professor and Dean, Shobhit University, Gangoh, India and Technical Session was chaired by Dr. Sandeep Kumar Poonia & Dr. Surendra Choudhary. **In Track-4** on “Smart and Sustainable Computing” the keynote speaker was Prof. (Dr.) Arun K. Somani, Associate Dean for Research, College of Engineering, Iowa State University, Ames, USA. and Technical Session was chaired by Dr. Linesh Raja & Dr. Vijendra Singh. **In Track-5** on “Data Science” the keynote Speaker was Dr. Sumit Srivastava, Professor, Manipal University Jaipur; Senior Member, IEEE Delhi Section, while the Technical Session was chaired by Mr. Kamal Kant Hiran & Dr. Manju Kaushik. **In Track-6** on “Blockchain and its Applications”, the keynote speaker was Prof. (Dr.) S. C. Jain, (CSE), RTU, Kota, Rajasthan, and Technical Session was chaired by Dr. Amit Kumar Gupta & Dr. Mahesh Kumar Jangid.

In the valedictory session, key persons, practitioners and chair members shared their experiences of the conference. Ms. Priyanka, Secretary (ICECE-2021), presented the Conference Report. Mr. Mehul Mahrishi, Publication Chair (ICETCE-2021), distributed the certificates to the Paper Presenters. The two-day conference ended with a brief

closing speech by Prof. (Dr.) C. M. Choudhary, Organizing Chair (ICETCE-2021), & a speech by Prof. (Dr.) Anil Chaudhary, HOD-IT & Organizing Chair (ICETCE-2021). Vote of thanks was delivered by Dr. Pankaj Dadheech, TPC Chair (ICECE-2021).

FACULTY DEVELOPMENT PROGRAMME ORGANIZED ON “ELECTRICAL & COMPUTER ENGINEERING”

AICTE Training and Learning (ATAL) Academy sponsored Faculty Development Programme (FDP) on “Electrical & Computer Engineering” was organized by the Department of Computer Science & Engineering at SKIT, Jaipur from 4 to 8 January, 2021. Shri Jaipal Meel, (Director, SKIT) welcomed the dignitaries and participants. The Chief Guest of the Inaugural ceremony, Dr Manu K Vora, Chairman & president, Business Excellence, Inc. USA shared his views on “Create Magic in the Classrooms for Learners”. The first session on “Introduction on Applications and Challenges of Deep learning” was taken by Dr. Santosh Kumar Vipparthi, Assistant Professor, MNIT Jaipur. In the second session, Dr. Yogesh Kumar Gupta, Assistant Professor, Banasthali Vidyapith, Newai (Rajasthan), discussed the different applications of Artificial Intelligence and Machine Learning. The final session on “Introduction to Machine Learning” was taken by Dr. Abhishek Kumar, Assistant Professor, Department of CSE & IT, Jain (Deemed to be University) Bangalore. He discussed about speech recognition, language translator and deep reinforcement learning.

The second day began with an interesting topic on 'Machine Learning-Regression, Regularization, and Active Learning' wherein. Dr. Amit Kumar Gupta, Associate Professor, Computer Science & Engineering and Technology, Amity School of Engineering and Technology (ASET) Kant Kalwar. NH-11C, Jaipur (Raj), talked about Numpy and Pandas; followed by the session of Dr. Priyanka Harjule, Assistant Professor, Department of Mathematics IIIT, and Kota. She focused on Logistic Regression and Support Vector Machine (SVM). In the final session, Dr. Varun Bajaj, (SMIEEE) Assistant Professor, Faculty of Electronics and Communication Engineering, PDPM Indian Institute of Information Technology, Design & Manufacturing (IIITDM) Jabalpur, India, discussed about Artificial Intelligence Application in Biomedical Systems.

The third day witnessed the sessions by Dr. Basant Agarwal, Assistant Professor, Department of Computer Science & Engineering, Indian Institute of Information Technology,

Kota, who presented two learning models: C-BOW and Skip-gram for predicting the word and its context; followed by a session by Dr. Pratistha Mathur, Professor, Department of IT, School of Computing & Information Technology, Manipal University, Jaipur. She explained several functions of Artificial Intelligence neural nets.

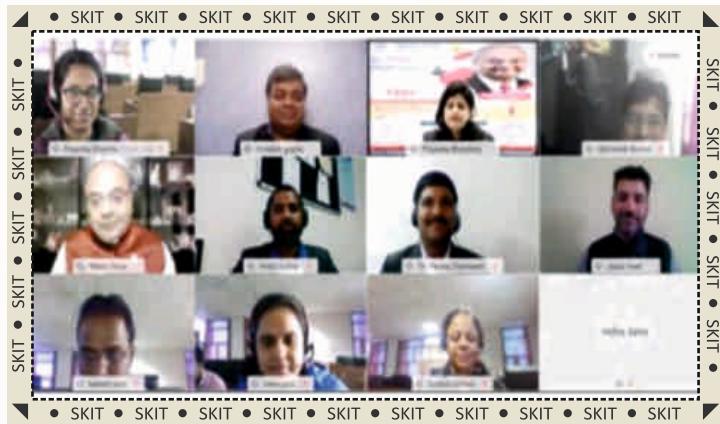


Photo-frame Glimpses of the FDP

The fourth day began with sessions by Dr. Debasis Das, Assistant Professor, Indian Institute of Information Technology (IIT) Jodhpur, on "Research Scope & Recent Trends in Artificial Intelligence & Machine Learning", followed by his second session on "Machine Learning Algorithm for Data Science".

On the final day, Dr. Pooja Jain, Assistant Professor, Indian Institute of Information Technology (IIT), Nagpur, took a hands-on session on "Hands on NLP using Python". In the next session Mr. Chandrakant Deoda, Senior Technical Delivery Manager (DevOps), Visteon Corporation Pvt. Ltd., Pune, shed light on the techniques of "Stress Management & Meditation". He explained about Chakras and Kundilini Shakti and importance of Sahaj Dhyana. In all 85 participants, from all parts of the country namely Mumbai, Delhi, Punjab, Haryana, Maharashtra, Uttar Pradesh, Gujarat, Hyderabad, Telangana, Gurugram, Puducherry, Andhra Pradesh, Tamil Nadu and Rajasthan attended the FDP Programme.

FACULTY DEVELOPMENT PROGRAMME ON "DEEP LEARNING FOR MEDICAL DATA ANALYSIS" ORGANIZED

A five-day RTU (ATU) TEQIP-III sponsored Faculty Development Programme on "Deep Learning for Medical Data Analysis" was organised by the Department of Computer Science & Engineering and Information Technology from 20 to 24 December, 2020 at SKIT. The FDP was organized by Mr. Sunil Dhankar, Ms. Anjana Sangwan, Dr. Sunita Gupta and Ms. Dolly Mittal. Participants and

experts from various states across the country deliberated on the principles of deep learning, health utility and its importance in Covid 19.

The first session of the first day on "Introduction to Deep Learning and its Applications" was addressed by Mr. Abhinav Mishra, Data Scientist, Smiths Detection System, Private Limited Bangalore. He explained some common types of Neural Network like Multilayer Perceptron, Convolutional Neural Network, Recurrent Neural Network etc. The second session of the day on "Numerical Computation with Numpy in Python Programming" was taken by Mr. Shivam Singh, Data Scientist, DVS Web Infotech. He discussed random number generation and reshaping of arrays and subset calculation for arrays. In the final session Mr. Sahil Middha, Data Scientist, DVS Web Infotech discussed on "Scientific Computation with Scipy, Data Visualization with Matplotlib" He discussed various scientific constants like time, mass etc. available in scipy library. He also shared methods to draw bar graph, pie chart, scattered graph etc.

The second day began with a session on "Research Issues in Medical Data Analysis" by Dr. Sunil Pathak, Associate Professor, Amity University, Jaipur, Rajasthan. He discussed various challenges and research issues in Medical Data Analysis. The II session of the day was taken by Mr. Sahil Middha, Data Scientist, DVS Web Infotech. He explained about Tensor Flow and its installation and its function with a hands-on session.

On third day the first session on "Convolutional Neural Network (CNN)" was taken by Dr. Gaurav Singhal, Assistant Professor, Bennett University, Greater Noida, UP. He explained the difference between CNN and AN and motivation for CNN. The II session of the day was taken by Mr. Shivam Singh, Data Science Trainer DVS Web Info Tech Pvt. Ltd., who threw light on "Understanding CNN Architecture using Tensor Flow and Keras with a hands-on session. In the final session of the day Mr. Sahil Middha, Data Scientist, Dvs Web Infotech, shared his views on "Implementation of Single-Layer perceptron Network and Multi-Layer perceptron Networks with Tensor Flow and Keras" In the first session of the fourth day, Dr. Pramod Gaur, Assistant Professor, BITS Pilani Dubai, Dubai UAE. shared his views on "Brain Computer Interface and its Application" (BCI).

He discussed about challenges in BCI and how to handle them. The II session of the day on "Transfer Learning using VGGNet, Resnet and Inception Net" was taken by Mr. Shivam Singh, Data Science Trainer Dvs Web Info Tech

Pvt. Ltd. He showed some basic approaches about VGG Net and their solutions. The final session of the day was taken by Dr. Yogesh Gupta, Assistant Professor, Banasthali Vidyapith, on "Medical Imaging Modalities" He showed how to use MRI, CT-Scan, USG and X-Ray for non-invasive imaging modality. The fifth day began with a session on "Recurrent Neural Networks" by Dr. Basant Agarwal, Assistant Professor, IIIT, Kota. He explained the principle of Recurrent Neural Networks (RNN)-LSTM.

The next session on "Natural Language Processing" was taken by Mr. Shivam Singh, Data Scientist. He discussed about The Natural Language Toolkit (NLTK) and also took a hands-on session to explain different functions of NLP.

The final session on "Edge Detection Methods for Finding Object Boundaries in Medical Images" was taken by Dr. Yogesh Gupta, Assistant Professor, Banasthali Vidyapith. He discussed two types of edge detection methods, Gradient and Gaussian. For Gradient method, he explained three types of operators for edge detection, Robert, Prewitt and Sobel. Certificates were issued to all the participants by TEQIP III and RTU Kota. Vote of thanks was proposed by Dr. Mukesh Gupta, Head, CSE Dept.

STUDENT WORKSHOP ON "INTERNET OF THINGS USING RASPBERRY PI"

An RTU (ATU) TEQIP-III Sponsored Student Workshop on "Internet of Things using Raspberry Pi" " was organised by the Department of CSE from 27 to 31 January, 2021 at SKIT. Jaipur. The workshop was organized by Dr. Praveen

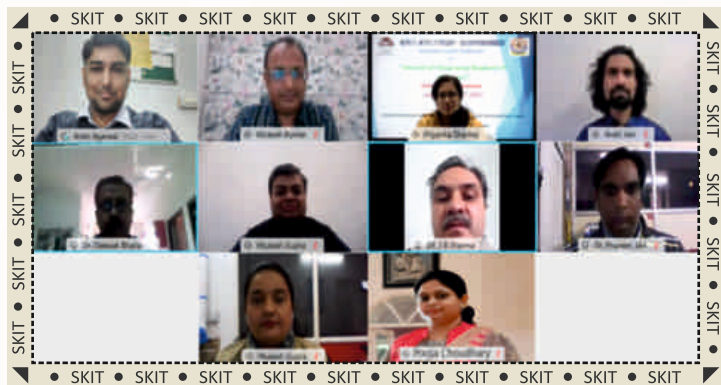


Photo-frame of the Programme

Kumar, Mr. Ankit Agarwal, Ms. Pooja Jain, Ms. Anjana Sangwan, Mr. Ankit Kumar, Ms. Priyanka Sharma, Ms. Pooja Choudhary

STUDENT WORKSHOP ON "EMERGING WEB DEVELOPMENT TRENDS"

An RTU (ATU) TEQIP-III Sponsored Student Workshop on "Emerging Web Development Trends", was organized by the Department of CSE from 22 to 31 August, 2020 at SKIT. Jaipur. The workshop was organized by Dr. Mukesh Kumar Gupta, Mr. Kanak Giri, Ms. Palika Jajoo.

STUDENT WORKSHOP ON "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING"

A five-day online Student Workshop on "Artificial Intelligence & Machine Learning" was conducted by TCS from 19 to 23 April, 2021 at SKIT. Jaipur. The workshop was organized by Ms. Nidhi Srivastav, Mr. Pankaj Jadwal.

WORKSHOP ON "HANDS-ON TRAINING ON MATLAB FOR ENGINEERS"

An RTU (ATU) TEQIP-III sponsored Workshop on "Hands-on Training on MATLAB for Engineers" was organised by the Department of CSE from 12 to 16 December, 2020 at SKIT. Jaipur. The workshop was organized by Dr. Dhanraj Chitara, Harpreet Singh Gill.

BOOK EDITED

TITLE	: Machine Learning and Deep Learning in Real Time Applications
PUBLISHER	: IGI Global, USA, 2020
EDITORS	: Mehul Maharshi, Kamalkant Hiran, Gaurav Meena, Pawan Sharma

PAPERS PRESENTED IN CONFERENCES

TITLE	: A Formal Study of Shot Boundary Detection Approaches-Comparative Analysis
AUTHOR/S	: Hanisha Nankani, Mehul Mahrishi, Sudha Morwal, Kamal Hiran
CONFERENCE	: 5th International Conference on Soft Computing: Theories and Applications

TITLE	: Traffic Prediction for Intelligent Transportation System using Machine Learning
AUTHOR/S	: Gaurav Meena, Mehul Mahrishi
CONFERENCE	: 3rd International Conference on Emerging Technologies in Computer Engineering: Machine Learning and Internet of Things (ICETCE)

NPTEL / COURSERA COURSES COMPLETED

Appreciation certificate awarded to Palkia Jajoo by NPTEL for mentoring students for the course "Problem Solving through Programming in C".

COURSE/ TOPIC : What is Data Science?
COMPLETED BY : Nikhar Bhatnagar
DURATION & CATEGORY : (Coursera 3 week) on 4 June 2020

COURSE/ TOPIC : Crash course on Python 3.4.3
COMPLETED BY : Nikhar Bhatnagar
DURATION & CATEGORY : Spoken Tutorial IIT, Bombay June (funded by: National Mission on Education through ICT, MHRD, Govt. of India).

COURSE/TOPIC : Programming for Everybody Started with Python)
COMPLETED BY : Nidhi Srivastav
DURATION & CATEGORY : Coursera, 7 week, 2 June 2020 of Michigan

FACULTY DEVELOPMENT PROGRAMS ATTENDED

TITLE : Predictive Analysis using Artificial Intelligence
DATE : 2 to 7 November 2020.
ATTENDED BY : Mehul Mahrishi
ORGANIZED BY : NRI Institute of Technology, Agiripalli, Krishna Dt., A.P.

TITLE : Examination Reforms
DATE : 29 April to 2 May, 2020
ATTENDED BY : Mehul Mahrishi
ORGANIZED BY : Institutional Development Cell, AICTE

TITLE : Designing Pedagogies for Online Teaching & Learning
DATE : 23 to 27 September 2020
ATTENDED BY : Mehul Mahrishi, Vipin Jain
ORGANIZED BY : NIT Kurukshetra, Engineering College Bikaner and TEQIP-III

TITLE : Nurturing Morals, Work Ethics & Accountability for Technical Teachers
DATE : 7 to 19 December 2020

ORGANIZED BY : Velagapudi Ramakrishna Siddhartha Engineering College, Sponsored by AICTE

ATTENDED BY : Nikhar Bhatnagar, Priyanka Bhardwaj

TITLE : Python Programming
DATE : 2 to 6 December 2020

ORGANIZED BY : RTU, Kota and Arya Institute of Engineering and Management, Sponsored by TEQIP

ATTENDED BY : Nikhar Bhatnagar, Priyanka Bhardwaj

TITLE : Blockchain
DATE : 23 to 27 November 2020

ORGANIZED BY : AICTE (ATAL) Academy
ATTENDED BY : Nikhar Bhatnagar

TITLE : Salesforce Trailhead
DATE : 16 to 20 September 2020

ORGANIZED BY : RTU, Kota and SKIT, Jaipur
ATTENDED BY : Nikhar Bhatnagar, Nidhi Srivastav, Priyanka Bhardwaj

TITLE : Machine Learning and Smart Electronic System

DATE : 3 to 5 September 2020
ORGANIZED BY : RTU, Kota and SKIT, Jaipur,

Sponsored by TEQIP-III
ATTENDED BY : Nikhar Bhatnagar

TITLE : Python
DATE : 1 to 5 June 2020
ORGANIZED BY : International Institute of Professional Studies-DAVV, Indore
ATTENDED BY : Nikhar Bhatnagar

TITLE : Introduction to Machine Learning
DATE : 5 to 7 June 2020
ORGANIZED BY : Madanapalle Institute of Technology and Science
ATTENDED BY : Nikhar Bhatnagar

TITLE : Python Basics, Machine Learning & Blockchain
DATE : 8 to 13 June 2020
ORGANIZED BY : K. J Somiya Institute of Engineering & Information Technology, Mumbai
ATTENDED BY : Nikhar Bhatnagar

TITLE : Perl Scripting
DATE : 10 to 14 June 2020

ORGANIZED BY : CSE Department, Lords Institute of Engineering and Technology
ATTENDED BY : Nikhar Bhatnagar
TITLE : Machine Learning for Computer Vision
DATE : 29 June to 8 July 2020
ORGANIZED BY : Electronics & ICT Academies, Ministry of Electronics and Technology, Government of India.
ATTENDED BY : Palika Jajoo

TITLE : Blended and Flipped Approach in Teaching and Learning (ATAL online FDP)
DATE : 24 to 28 August 2020
VENUE : National Institute of Teachers' Training and Research, Chennai
ATTENDED BY : Nidhi Srivastav

TITLE : Online Teaching and Learning (ATAL online FDP)
DATE : 17 to 21 August 2020
VENUE : Motilal Nehru National Institute Technology Allahabad,
ATTENDED BY : Nidhi Srivastav

TITLE : Student-Centered Teaching Methods and Strategies in Higher Education
DATE : 10 to 14 August 2020
VENUE : SKIT Jaipur (TEQIP-III sponsored FDP)
ATTENDED BY : Nidhi Srivastav

TITLE : Data Analytics with Python
DATE : 22 to 26 June 2020
VENUE : Department of CSE, NITTTR Chandigarh (AICTE Recognized)
ATTENDED BY : Nidhi Srivastav

TITLE : Machine Learning
DATE : 1 to 5 JUNE 2020
VENUE : Department of CSE and IT, J.B. Institute of Engineering & Technology, Hyderabad
ATTENDED BY : Nidhi Srivastav

TITLE : Emerging Applications on Deep Learning
DATE : 8 to 12 June 2020
VENUE : Department of CSE and IT, Raja Rajeswari College of Engineering, Bangalore.
ATTENDED BY : Nidhi Srivastav

TITLE : Machine Learning and Smart Electronic System
DATE : 3 to 7 September 2020
ORGANIZED BY : RTU TEQIP-III and SKIT, Jaipur
ATTENDED BY : Priyanka Sharma

TITLE : Container Orchestration and Automation in Software Development using Kubernetes and Open Shift
DATE : 21 to 23 September 2020
ORGANIZED BY : RTU TEQIP-III and Poornima College of Engineering, Jaipur
ATTENDED BY : Priyanka Sharma

TITLE : Deep Learning for Medical Data Analysis
DATE : 20 to 24 December 2020
ORGANIZED BY : SKIT, Jaipur & RTU TEQIP-III
ATTENDED BY : Priyanka Sharma

TITLE : AI & Deep Learning
DATE : 30 November to 5 December 2020.
VENUE : B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, Tamilnadu. (AICTE sponsored)
ATTENDED BY : Priyanka Bhardwaj

TITLE : Cloud Technology
DATE : 2 to 6 November 2020.
VENUE : Govt. Engineering College, Gandhinagar, Gujrat (ATAL Academy)
ATTENDED BY : Priyanka Bhardwaj

TITLE : Block chain & its Applications
DATE : 15 to 19 September 2020.
VENUE : PIET, Jaipur (TEQIP Sponsored)
ATTENDED BY : Priyanka Bhardwaj

TITLE : Machine Learning and Smart Electronics System
DATE : 15 to 19 September 2020.
VENUE : PIET, Jaipur (TEQIP Sponsored)
ATTENDED BY : Priyanka Bhardwaj

TITLE : Cyber-Physical Systems
DATE : 7 to 11 November 2020.
VENUE : IIT, Pune (ATAL Academy)
ATTENDED BY : Priyanka Bhardwaj

TITLE : AI & Machine Learning
DATE : 19 to 23 April 2021

VENUE : SKIT, Jaipur (TCS Sponsored)
ATTENDED BY : Kanak Giri, Anjana Sangwan, Deepa
Modi, Nidhi Srivastav, Palika Jajoo,
Shanu Tripathi

TITLE : Internet of Things & Artificial
Intelligence

DATE : 15to 19 February 2021
VENUE : Shankara Institute of Technology,
Jaipur, TEQIP-III RTU (ATU)
ATTENDED BY : Pankaj Dadheech

TITLE : Statistical Learning-Based Internet of
Things (IoT)(ATU)

DATE : 10to 14 March 2021
VENUE : Anand International College of
Engineering, Jaipur, TEQIP-III RTU
ATTENDED BY : Pankaj Dadheech

TITLE : Artificial Intelligence.
DATE : 10 to 14 March 2021
VENUE : Manipal University Jaipur. (ATAL)
Academy
ATTENDED BY : Pankaj Dadheech

TITLE: Big Data Analytics
DATE : 18 to 22 January2021
VENUE : Arya College of Engineering & IT,
Kukas, Jaipur, TEQIP-III RTU
ATTENDED BY : Pankaj Dadheech

TITLE : Stress Management -
DATE : 11to 13January, 2021
VENUE : Yagyavalkya Institute of Technology,
Jaipur, TEQIP-III RTU
ATTENDED BY : Pankaj Dadheech

TITLE : Cyber Security & Forensic Tools-I
DATE : 22 to 26 February 2021
VENUE : Sawai Madhopur College of
Engineering & Technology, Sawai
Madhopur, Rajasthan
ATTENDED BY : Deepa Modi

TITLE : Electrical & Computer Engineering,
(Applications of Machine Learning &
Artificial Intelligence)
DATE : 4 to 8 January 2021
VENUE : SKIT, Jaipur -ATAL
ATTENDED BY : Pankaj Dadheech, Harpreet Singh Gill,
Rubal Deep Gill, Priyanka Sharma,
Priyanka Bhardwaj

TITLE : Cyber Security
DATE : 1 to 5 December 2020
VENUE : NIT, Sikkim -ATAL
ATTENDED BY : Harpreet Singh Gill, Rubal Deep Gill,
Nidhi Srivastav

TITLE : Deep Learning for Medical Data
Analysis
DATE : 20 to 24 January2020
VENUE : SKIT, Jaipur -TEQIP-III RTU
ATTENDED BY : Harpreet Singh Gill, Rubal Deep Gill,
Deepa Modi

TITLE : Computer Science & Biology
DATE : 18 to 22 January 2021
VENUE : Malviya National Institute Technology,
Jaipur (ATAL)
ATTENDED BY : Neha Mathur

TITLE : Application of AI in Healthcare
DATE : 27 to 31 January 2021
VENUE : Arya College of Engineering & I.T.,
Jaipur, TEQIP-III RTU
ATTENDED BY : Deepa Modi, Nidhi Srivastav, Mehul
Mahrishi

TITLE : Internet of Things
DATE : 1 to 5 February 2021
VENUE : National Institute of Technical Teachers
Training and Research Centre Chennai.
ATTENDED BY : Palika Jajoo

TITLE : Recent Advancements in Machine
Learning and Artificial Intelligence
DATE : 16 to 20 March 2021
VENUE : Poornima College of Engineering, Jaipur,
TEQIP-III RTU
ATTENDED BY : Priyanka Sharma, Sushila Vishnoi

TITLE : Quantum Computing.
DATE : 2 to 6 March 2021
VENUE : JECRC, Jaipur, TEQIP-III RTU
ATTENDED BY : Priyanka Sharma, Priyanka Bhardwaj

TITLE : Blockchain
DATE : 18 to 22 January 2021
VENUE : JSS Academy of Technical Education,
Noida, Uttar Pradesh-- ATAL
ATTENDED BY : Priyanka Sharma,

TITLE : Deep Learning for Medical Data Analysis.
DATE : 20 to 24 December 2020

VENUE : SKIT, Jaipur TEQIP-III RTU
ATTENDED BY : Priyanka Sharma, Priyanka Bhardwaj,
Rashmi Dadhich, Shanu Tripathi

TITLE : Applications of Artificial Intelligence
Towards Industry 4.0

DATE : 15 to February 2021.
ORGANIZED BY : Sri Sai Ram Engineering College,
Chennai (AICTE Sponsored)

ATTENDED BY : Priyanka Bhardwaj

TITLE : Machine Learning Techniques for
Imaging and Healthcare with Python

DATE : 28 January to 10 February.
ORGANIZED BY : Sri Sai Ram Engineering College,
Chennai (AICTE Sponsored)

ATTENDED BY : Priyanka Bhardwaj

TITLE : Data Sciences
DATE : 19 to 22 January 2021
ORGANIZED BY : Global Academy of Technology (ATAL)

ATTENDED BY : Priyanka Bhardwaj

TITLE : Applications of Machine Learning &
Artificial Intelligence

DATE : 4 to 8 January 2021
VENUE : SKIT Jaipur, Sponsored (ATAL) Academy
ATTENDED BY : Nikhar Bhatnagar

TITLE : Deep Learning for Medical Data Analysis
DATE : 20 to 24 December 2020
VENUE : SKIT Jaipur, TEQIP-III RTU (ATU)"
ATTENDED BY : Nikhar Bhatnagar, Naveen Jain

TITLE : Statistical Learning based Internet of
Things (IoT)
DATE : 10 to 14 March 2021.
VENUE : RTU and Anand International College of
Engineering, Jaipur
ATTENDED BY : Mehul Mahrishi

TITLE : Block chain Technologies and its
Applications" sponsored by
DATE : 23 to 27 December 2020
VENUE : SKIT Jaipur, (ATAL) Academy
ATTENDED BY : Nikhar Bhatnagar

TITLE : Advanced Optimization Techniques and
Hands-on with MATLAB/SCILAB
DATE : 13 to 24 July 2020
VENUE : E & ICT Academies (MNIT)
ATTENDED BY : Sushila Vishnoi

TITLE : Introduction to Learning
DATE : 5 to 7 June 2020
ORGANIZED BY : Madanapalle Institute of
Technology and Science
ATTENDED BY : Nikhar Bhatnagar

WORKSHOPS ATTENDED

TITLE : IEEE Reference Management Tools
for Research Articles and Thesis
Writing

DATE : 20 May 2020.
ATTENDED BY : Mehul Mahrishi
ORGANIZED BY : IEEE Bangalore Section Researchers

TITLE : Python Programming Intermediate
DATE : 7 June, 2020
ORGANIZED BY : School of Computer Science and
Engineering, Jain Faculty of
Engineering and Technology,
Bangalore
ATTENDED BY : Nikhar Bhatnagar, Nidhi Srivastav

TITLE : Deep Learning
DATE : 6 June 2020
ATTENDED BY : Nidhi Srivastav
ORGANIZED BY : Department of CSE, FET, Jain Deemed
to be University, Bangalore in
Association with Computer Society
of India, Region V

TITLE : Software Testing
DATE : 1 to 5 February 2021
ATTENDED BY : Pankaj Dadheech
ORGANIZED BY : Anand International College of
Engineering, Jaipur, TEQIP-III RTU

TITLE : Effects of Quality Management in
Latest Technologies
DATE : 25 to 29 January 2021
ATTENDED BY : Pankaj Dadheech
ORGANIZED BY : Arya Institute of Engineering &
Technology, Jaipur-TEQIP-III RTU

TITLE : Application of MATLAB Tools
DATE : 26 to 30 December 2021
ATTENDED BY : Deepa Modi, Harpreet Singh Gill,
Rupal Deep Gill, Shanu Tripathi
ORGANIZED BY : Kautilya Institute of Technology &
Engineering, Jaipur TEQIP-III

TITLE : Outcome based Education and NBA Accreditation Process
DATE : 19 to 23 October 2020
ATTENDED BY : SushilaVishnoi
ORGANIZED BY : MNIT, Jaipur (TEQIP-III).

ORGANIZED BY : DON BOSCO Institute of Technology, Kumbalagodu, Bengaluru
ATTENDED BY : Nikhar Bhatnagar

STTPs ATTENDED

TITLE : Machine Learning and its Application to Big Data- Phase-I & Phase-III
DATE : 14 to 19 September 2020 & November 23 - 28, 2020
ATTENDED BY : Vipin Jain
ORGANIZED BY : JIET Jodhpur (AICTES sponsored)

TITLE : Be Future Ready - Post COVID Successful
DATE : 3 to 4 June 2020
ORGANIZED BY : Deepshikha Group of Colleges in Collaboration with University of Technology
ATTENDED BY : Nikhar Bhatnagar

TITLE : Machine Learning and Deep Learning: Research and Applications Perspectives (Part-3)
DATE : 14 to 19 September, 2020
ORGANIZED BY : Poornima College of Engineering, Jaipur
ATTENDED BY : Nikhar Bhatnagar

TITLE : User Experience and Interaction Design
DATE : 6 June, 2020
ORGANIZED BY : K. Ramakrishnan College of Engineering, Tiruchirappalli
ATTENDED BY : Nikhar Bhatnagar

TITLE : Artificial Intelligence and Deep Learning Techniques
DATE : 30 November to 5 December 2020
ORGANIZED BY : B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, Tamilnadu
ATTENDED BY : Nikhar Bhatnagar

TITLE : Research in Big Data Analytics
DATE : 20 June 2020
ORGANIZED BY : Department of Computer Science & Engineering, Anurag University, Hyderabad,
ATTENDED BY : Nikhar Bhatnagar

TITLE : Cyber Security & Forensics
DATE : 8 to 12 March 2021
VENUE : NITTR, Chandigarh
ATTENDED BY : Deepa Modi, Nidhi Srivastav

PATENTS PUBLISHED

TITLE : An IoT based Tyre Pressure and Temperature Monitoring System
NAME : Pankaj Dadheech
PUBLICATION : Australian Patent Publication Number-2021100287 Date of Filing-17 Jan. 2021, Publication Date-31 March 2021 Term of Patent: Eight years from 18 January, 2021.

TITLE : Recent Advances in Nano Photonics Technology
DATE : 15 to 20 February 2021
ATTENDED BY : Shanu Tripathi
ORGANIZED BY : SKIT, Jaipur -AICTE-AQISS Sponsored

TITLE : An Artificial Intelligence based Automatic Cleanliness System for Physically Handicapped Persons
NAME : Pankaj Dadheech
PUBLICATION : Australian Patent Publication Number-2020103157 Date of Filing-31 Oct. 2020, Publication Date-16 December, 2020 Term of Patent: Eight years from 31 October, 2020

WEBINARS ATTENDED

TITLE : International Webinar series on "Research Methodology"
DATE : 1 to 6 June 2020
ORGANIZED BY : Srinivas University, Mangaluru
ATTENDED BY : Nikhar Bhatnagar

TITLE : Issues and Challenges in Cyber Security
DATE : 2 June 2020

TITLE : A Novel IoT based Disinfectant Sanitizer Tunnel
NAME : Pankaj Dadheech

PUBLICATION : Publication Number (Journal No.)
50/2020 Indian Patent Application
Number- 202041051975 A, 2020 Date
of Filing- 29 Nov. 2020, Publication
Date-11 December, 2020

TITLE : Open-Source Internet of Tangible
Things based Smart Device for
Children with Hearing Loss using WiFi
Communication

NAME : Pankaj Dadheech, S. R. Dogiwal

PUBLICATION : Publication Number (Journal No.)
50/2020 Indian Patent Application
Number- 202041053003 A, 2020 Date of
Filing- 5 Dec. 2020. Publication Date-11
December, 2020

TITLE : VR based Psychological and Physical
Training to Girls for Self-Defense

NAME : Pankaj Dadheech

PUBLICATION : Publication Number (Journal No.)
49/2020 Indian Patent Application
Number- 202011050375 A, 2020 Date of
Filing- 19 Nov. 2020, Publication Date- 4
December, 2020

TITLE : A Smart Walking System for the Elderly
and Blind

NAME : Pankaj Dadheech

PUBLICATION : Publication Number (Journal No.)
48/2020 Indian Patent Application
Number- 202041050337 A, 2020 Date of
Filing- 19 Nov.2020, Publication Date-27
November, 2020

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TITLE : IoT based Disinfectant Sanitizer Tunnel
Against Covid-19 Using Human
Detecting Sensors and End to End
Security Model

NAME : Pankaj Dadheech

DATE : Registration Number: L-98059/2020
Diary Number: 19205/2020-CO/L, Date
of Application: 26 Nov. 2020, Date of
Receipt: 26/11/2020, Date of Grant: 30
December, 2020

TITLE : Kids Knowledge Tester

NAME : Nikhar Bhatnagar

DATE : 3 March, 2021. Dairy Number:
20862/2020-CO/W

BOOK PUBLISHED

TITLE : Machine Learning and Deep Learning
Applications in Real Time

AUTHOR : Mehul Mahrishi, Kamal KantHiran,
Gautam Meena, Pawan Sharma

PUBLISHER : IGI Global, USA. 2020,ISBN13: 10
4018/978-17998-3095-5

BOOK CHAPTER PUBLISHED

TITLE : A Neural Network-Based for Pest Detection
and Control in Modern Agriculture using
Internet of Things

AUTHORS : Pankaj Dadheech, Ankit Kumar, Vijander
Singh, Linesh Raja, Ramesh Poonia

PUBLISHER : IGI Global, Amit Kumar Gupta, Dinesh
Goyal, Vijander Singh, Harish Sharma
(eds), Smart Agricultural Services Using
Deep Learning, Big Data, and IoT, First
Online: October, 2020, Chapter-1, pp 1-
19, ISBN13: 9781799850038, ISBN10:
179985003X, EISBN13: 9781799850045,
DOI: <http://doi.org/10.4018/978-1-7998-5003-8.ch001>.

TITLE : Performance Modelling for Secure
Migration Processes of Legacy Systems
to the Cloud Computing

AUTHOR/S : Ankit Kumar, Pankaj Dadheech, Vijander
Singh, Linesh Raja

PUBLISHER : Imprint: Academic Press, Publisher
Elsevier, Tin Thein Thwel, G. R. Sinha
(eds), "Data Approaches: Concepts,
Strategies Challenges", Chapter-13, pp.
255-280, ISBN: 978-0-12-823395-5,
eBookISBN:<https://doi.org/10.1016/B978-0-12-823395-5.00003-3>,
First Online: 27 November 2020.

TITLE : Improved Classification Techniques for
the Diagnosis and Prognosis of Cancer

AUTHOR/S : Pankaj Dadheech, Ankit Kumar, S.R.
Dogiwal, Vipin Jain, Vijander Singh,
Linesh Raja

PUBLISHER : CRC Press, Book on "Computer-aided
Design and Diagnosis Methods for
Biomedical Applications", 1st Edition,
Chapter 12, pp 269-292, Edited by
Dr. Varun Bajaj & Dr. G. R. Sinha, Taylor

& Francis Group, <https://doi.org/10.1201/9781003121152>, ISBN: 978-0-367-63883-2 (hardback), ISBN: 978-1-003-12115-2 (e-book).

TITLE : Medical Image Algorithm Based on Weight Initialization-Sliding Window Fusion Convolutional Neural Network

AUTHOR/S : Ankit Kumar, Pankaj Dadheech, S.R.Dogiwal, Sandeep Kumar Poonia, Rajani Kumari

PUBLISHER : CRC Press, Book on "Computer-aided Design and Diagnosis Methods for Biomedical Applications", 1st Edition, Chapter 9, pp 193-216, Edited by Dr. Varun Bajaj & Dr. G. R. Sinha, Taylor & Francis Group, <https://doi.org/10.1201/9781003121152>, ISBN: 978-0-367-63883-2 (hardback), ISBN: 978-1-003-12115-2 (e-book).

UGC NET QUALIFIED

SUBJECT : Computer Science & Applications. (NET for Assistant Professor)

AUTHOR : Kanak Giri

YEAR & ROLL NO : 2021, RJ0652000035

SEMINAR ATTENDED

TITLE : International Seminar on "Recent Trends in High Performance Computing".

DATE : 29 to 30 April 2021

ATTENDED BY : Palika Jajoo

ORGANIZED BY : Jodhpur Institute of Engineering & Technology, Rajasthan

SESSIONS CHAIRED

SESSION ON : "Empowerment through Innovation" at the International Conference on "Global Entrepreneurship Trends & Empowerment through Innovation (ICGETEI-2021)". Technical Session Track -I (AIAIA)

CHAired BY : Pankaj Dadheech

DATE & VENUE : 5 to 6 March, 2021. Amity University, Jaipur.

SESSION ON : "Cloud Computing & Security" at the "International Conference on Sustainable Computing (SUSCOM 2021)". Technical Session-VIII

CHAired BY : Pankaj Dadheech

DATE & VENUE : 19 to 20 March, 2021. Sri Balaji College of Engineering & Technology, Jaipur

SESSION ON : "International Conference on "Recent Trends on Computational Intelligence and Communications."

CHAired BY : Pankaj Dadheech

DATE & VENUE : 19 to 20 February 2021. Arya Institute of Engineering Technology and Management, Jaipur and Rajasthan Technical University, Kota

SESSION ON : "Computational Data Analytics" at the International Conference on "Applied Scientific Computational Intelligence using Data Science" Technical Session

CHAired BY : Pankaj Dadheech

DATE & VENUE : 22 to 23 December 2020. Manipal University Jaipur, Rajasthan.

SESSION ON : International Conference on Global Entrepreneurship Trends & Empowerment through Innovation

CHAired BY : Mehul Mahrishi

DATE & VENUE : Amity University, Jaipur, 6 March, 2021

NPTEL / COURSERA COURSES COMPLETED

COURSE/ TOPIC : Social Media Data Analytics

COMPLETED : Kanak Giri

DURATION & CATEGORY : (4 Week)10.9.2020- Coursera

COURSE/ TOPIC : Introduction to Public Speaking

COMPLETED BY : Kanak Giri

DURATION & CATEGORY : (4 Week)30.10.2020- Coursera

COURSE/ TOPIC : Social Media Advertising

COMPLETED BY : Kanak Giri

DURATION & CATEGORY : (4 Week)09.09.2020- Coursera

COURSE/ TOPIC : Python Basics

COMPLETED BY : Kanak Giri

DURATION & CATEGORY : (4 Week) 30.9.2020- Coursera

COURSE/ TOPIC : Using Python to Access We Data

COMPLETED BY : Deepa Modi

DURATION & CATEGORY : (6 Week)16.7.2020, Coursera

COURSE/ TOPIC : Introduction to Big Data
COMPLETED BY : Kajal Mathur
DURATION & CATEGORY : (3 Week) 24-8-2020, Coursera

COURSE/ TOPIC : Introduction to Programming with MATLAB
COMPLETED BY : Shanu Tripathi
DURATION & CATEGORY : (9 Week) 26.07.2020 Coursera

COURSE/ TOPIC : Data Collection and Processing with Python
COMPLETED BY : Yogendra Gupta
DURATION & CATEGORY : (4 Week)24.10.2020 Coursera

COURSE/ TOPIC : Big Data Computing
COMPLETED BY : Pankaj Dadheech
DURATION & CATEGORY : (8 Week Course)Sept.-Nov. 2020 NPTEL

COURSE/ TOPIC : Introduction to Internet of Things
COMPLETED BY : Anjana Sangwan
DURATION & CATEGORY : (12 Week Course) Sept.-Dec. 2020, NPTEL

COURSE/ TOPIC : Problem Solving through Programming in C
COMPLETED BY : Deepa Modi
DURATION & CATEGORY : (12 Week) Sept.-Nov. 2020, NPTEL

COURSE/ TOPIC : Problem Solving through Programming in C
COMPLETED BY : Girish Sharma
DURATION & CATEGORY : (12 Week) Sept.-Nov. 2020, NPTEL Silver Medal Achieved

COURSE/ TOPIC : The Joy of Computing using Python
COMPLETED BY : Rubal Deep Gill
DURATION & CATEGORY : (12 Week), 10.4.2021, NPTEL

COURSE/ TOPIC : Introduction to Operating System
COMPLETED BY : Kajal Mathur
DURATION & CATEGORY : (8 Week) Sept.-Nov. 2020, NPTEL

COURSE/ TOPIC : Programming in C++
COMPLETED BY : Palika Jajoo
DURATION & CATEGORY : (8 Week) Sept.-Nov. 2020 NPTEL PLATFORM:

COURSE/ TOPIC : Programming in Java
COMPLETED BY : Priyanka Sharma
DURATION & CATEGORY : (12 Week), Sept.-Dec. 2020, NPTEL

COURSE/ TOPIC : Operating System
COMPLETED BY : Ms. Priyanka Sharma
DURATION & CATEGORY : (8 Week), Sept.-Nov.2020 NPTEL

COURSE/ TOPIC : Python for Data Science
COMPLETED BY : Ms. Priyanka Sharma
DURATION & CATEGORY : (4 Week), Sept.-Nov.2020 NPTEL

COURSE/ TOPIC : Software Engineering
COMPLETED BY : Priyanka Bhardwaj
DURATION & CATEGORY : (12 Week), Sept.-Dec. 2020 NPTEL

COURSE/ TOPIC : Computer Graphics
COMPLETED BY : Rashmi Dadhich
DURATION & CATEGORY : (8 Week), Sept. - Nov. 2020 NPTEL

COURSE/ TOPIC : Introduction to Internet of things
COMPLETED BY : Shanu Tripathi (Elite Certificate)
DURATION & CATEGORY : (12 Week Course), Sept-Dec. 2020 NPTEL

COURSE/ TOPIC : Emotional Intelligence
COMPLETED BY : Shanu Tripathi (Elite Certificate & Silver Medal) + (Topper 2%)
DURATION & CATEGORY : (8 Week Course),Jan.-March, 2021 NPTEL

COURSE/ TOPIC : Data Base Management Systems
COMPLETED BY : Priyanka Bhardwaj
DURATION & CATEGORY : (8 Week) Jan.-Dec. 2020 NPT

COURSE/ TOPIC : Software Engineering
COMPLETED BY : Priyanka Bhardwaj
DURATION & CATEGORY : (12 Week) Sept.-Dec. 2020 NPTEL

COURSES MENTORED

COURSE/ TOPIC : Computer Graphics
MENTOR : Pankaj Dadheech
DURATION & CATEGORY : (8 Week) Sept.-Nov. 2020 NPTEL Top Performing Mentor

COURSE/ TOPIC : Programming in Java
MENTOR : Priyanka Sharma
DURATION & CATEGORY : (4 Week) Sept. -Nov.2020 NPTEL Top Performing Mentor

INDUSTRY EXPERT LECTURES ATTENDED

TITLE : Initiative towards Waste to Wealth
DATE : 23 January 2021
ATTENDED BY : Pankaj Dadheech
ORGANIZED BY : Shankara Institute of Technology, Jaipur, TEQIP-III RTU

TITLE : Opportunities in Process Industry
DATE : 6 February 2021
ATTENDED BY : Nidhi Srivastav
ORGANIZED BY : SKIT, Jaipur-- TEQIP-III RTU



FDP ON “SOLAR THERMAL ENGINEERING FOR SUSTAINABLE FUTURE”

With an aim to discuss the state-of-the-art research in the solar thermal engineering field, one-week RTU (ATU) TEQIP III sponsored Faculty Development Program on 'Solar Thermal Engineering for a Sustainable Future' was hosted by the Department at SKIT, from 24 to 28 August 2020. Prof. S. L. Surana (Director Academics, SKIT) welcomed all the participants. Dr. Dharendra Mathur (TEQIP Coordinator, RTU) welcomed the Chief Guest and Session expert Prof. N.

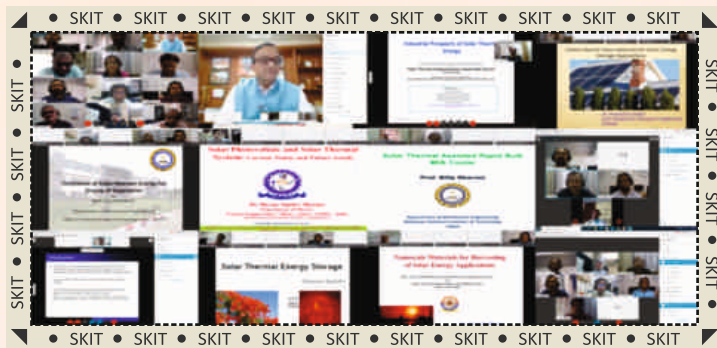


Photo-frame of FDP

S. Rathore (VC, MPUAT, Udaipur). Prof. N.S. Rathore discussed about various methods to improve performance and to reduce the cost of solar thermal collectors. Dr. Dheeraj Joshi (Head, ME-SKIT) proposed vote of thanks. In the second session, Prof. Anil Kumar (Delhi Technological University), delivered an expert talk on the Solar Dryer and Solar Air-heater. On day 2, Dr. Ravinder Kumar from Guru Nanak Dev Technical University, Amritsar, Punjab, presented his research on the carbon-based nano materials to improve the productivity and performance of Solar PV cells. In session II, Prof. G. D. Agarwal (MNIT, Jaipur) shared his research experience of drying of using a Solar Air- heater. On day 3, Dr. Shyam Sunder Sharma from Government Engineering College for Women, Ajmer, threw light on the comparative study of solar thermal and solar PV. In the second session, Prof. Dilip Sharma (MNIT, Jaipur) presented an actual working real-size setup for Solar Assisted Bulk Milk Cooler. Day 4 started with a talk on solar PVT collectors by Dr. Narendra Singh Beniwal (BIET Jhansi), followed by

discussion on research experience of thermal energy storage integration in the solar thermal collectors to perform the effective solar cooking operation to make Chapatis and Phulkas by Prof. P R Chakraborty (IIT, Jodhpur) On day5, Prof. Dharam Buddhi (Senior Executive Dean, Lovely Professional University, Punjab), shared his research experiences on thermal energy storage for solar thermal engineering, followed by a talk on the nano-scale materials for harvesting solar energy by Dr. Deepak Bhatia, (RTU, Kota). Dr. Lokesh Tharani (Event Coordinator), Mr. Ankit Agarwal, and Mr. Dinesh Kumar Sharma coordinated the event. Mr. Praveen Saraswat, Mr. Naveen Kumar Sain, Mr. Chandan Kumar, Ms. Namita Soni, Mr. Brij Mohan Sharma, Mr. Arun Beniwal, and Mr. Sanjay Choudhary were members of the organizing committee. Mr. Dinesh Kumar Sharma presented the Technical Report of the FDP. Dr. Ashish Nayyar proposed vote of thanks. 200 participants had registered from various IITs, NITs, and various reputed institutions.

FDP ON “RECENT TRENDS IN ADVANCED MACHINING AND ADDITIVE MANUFACTURING”

A one-week FDP on 'Recent Trends in Advanced Machining and Additive Manufacturing' (RTAM-2020) was jointly conducted by the Department and RTU, Kota from 7 to 11 September 2020. Total 14 sessions were conducted by eminent experts from IITs, IIITs, NITs The inaugural session witnessed the graceful presence of Chief Guest Prof. Inderdeep Singh, Department of Mechanical and Industrial Engineering, IIT Roorkee, RTU Event Coordinator, Prof. Manish Chaturvedi, Dr. Deepak Kumar and Dr. Achin Srivastav, Faculty Coordinator from the host institute.

On the 1st day, Prof. Inderdeep Singh delivered a talk on machining of composite materials in which 'thrust force and torque were discussed for drilling operation. Dr. H.S. Mali, MNIT Jaipur, discussed on concepts of Machining & Finishing of micro features by hybrid machining processes. On the 2nd day, Dr. Pavan Kankar, IIT Indore, threw light on Predictive Maintenance of Machines. Then Dr. Prashant Kr. Jain, IIITDM Jabalpur, delivered a lecture on Future Perspective of Additive Manufacturing. On the 3rd day, Prof. Puneet Tandon from IIITDM Jabalpur explained advantages of mixed Hybrid processes. On the 4th day, Optimization of Machining Parameters were explained by Dr. Umesh Khande from NIFFT Ranchi, The valedictory session on the 5th day was presided by the Chief Guest, Dr. Kusum Meena, from IIT Delhi, who motivated the audience and explained new emerging areas and technology in the area of Rapid prototyping. Prof. Dheeraj Joshi, Head, ME- SKIT, delivered vote of thanks.

STUDENT WORKSHOP ON 'DATA ANALYTICS'

TEQIP-III RTU sponsored 3-day workshop on 'Data Analytics' began on 23 August 2020 with an inaugural function graced by the presence of Prof. K P Supreethi, JNTU Hyderabad Coordinator, Dr. Harish Sharma, RTU Event Coordinator, Shri Jaipal Meel, Director, SKIT, Dr. R K Pachar, Principal SKI, Dr. Dheeraj Joshi, Head of Department, ME, SKIT, faculty members and participants. There were various interactive sessions in this workshop. Dr Prashant Singh Rana, Assistant Professor, Thapar Institute of Technology Patiala introduced the basic concept of Python on the first day. He also shared the resources, websites, and information about hackathons and AI environment with participants. Mr. Arun Kumar from MITS Gwalior introduced Data Structure used in Python and explained the most effective tool of Data Visualization i.e., Matplotlib in Python. Mrs. Divya Khanna from ML tools Tech Pvt Ltd talked on Data structure and introduced the most important numerical library of Python- Numpy.

The three-day Data Analytics workshop came to a close on 25 August 2020, with Valedictory function. Dr. Achin Srivastav, Workshop Coordinator, gave the welcome address and presented the report on Data Analytics Workshop. Prof. K.P. Supreethi, JNTU Coordinator, Hyderabad gave a motivational speech on need of learning Data Analytics during the valedictory session. Prof. Dheeraj Joshi, Head ME, thanked all the participants. In all 105 participants (students) attended the Workshop from the different institutions affiliated to RTU and BTU.

3RD INTERNATIONAL CONFERENCE ON 'NEW AND RENEWABLE ENERGY RESOURCES FOR SUSTAINABLE FUTURE'

Renewable energy and sustainable development are the key technologies to offer solutions to the ever-increasing environmental pollutions and depleting conventional fuel reserves. With an aim to discuss the state of art technologies pertaining to the renewable energy domain, RTU (ATU) TEQIP III Sponsored 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2021) was organized by the Department of Mechanical Engineering, in collaboration with Rajasthan Technical University and Department of Mechanical Engineering, Assiut University, Assiut (Egypt)

from February 11 to 13, 2021. This is 3rd event of ICONRER conference series that started in 2017.

The inaugural ceremony was graced by the presence of Chief Guest Prof. (R.A. Gupta, Vice-chancellor, RTU, Kota), Presiding Guest Dr. S.K. Calla (Ex-CMD, RVUNL, Rajasthan) and Guests of Honor Prof. Soteris Kalogirou (Professor, Cyprus University of Technology, Cyprus (Greece)) and Dr. M. V. Reddy (Senior Researcher, Institute of Research Hydro-Québec, Montreal, Canada), Prof. Ramesh Kumar Pachar (Principal, SKIT) and Prof. Dharendra Mathur (TEQIP Coordinator). Shri Jaipal Meel (Director, SKIT) welcomed the Dignitaries and Researchers.

Prof. S.L. Surana (Director (Academics), SKIT) highlighted the importance of renewable energy technology for a sustainable future. Dr. K. B. Rana (Event Coordinator, RTU, Kota) discussed the role of conferences on Renewable Energy theme, to boost the research towards eco-friendly technologies. Prof. Ashish Nayyar (Host Institute Coordinator) extended thanks to the speakers/researchers. He extended a special thanks to RTU (ATU) TEQIP III for sponsoring ICONRER-2021 and Assiut University, Egypt for technical collaboration. Prof. R. A. Gupta (Chief Guest) congratulated SKIT to regularly organize technical events for the benefit of students and faculties. Dr. S. K. Calla (Presiding Guest) shared his experiences and congratulated the organizing team for arranging a team of excellent speakers for the conference. Dr. M. V. Reddy (Guest of Honor) highlighted The need for research in energy storage materials while moving from renewable energy to sustainable renewable energy.

Prof. Dheeraj Joshi (Head, ME, SKIT) presented a formal vote of thanks. Mr. Dinesh Kumar Sharma, Mr. Ankit Agarwal, Dr. Rishi Vyas and Dr. Chandan Kumar were the Conveners of the conference. During different technical sessions, Prof. Ahmed Hamza H. Ali (Professor, Assiut University, Assiut, Egypt), Prof. Soteris Kalogirou (Professor, Cyprus University of Technology, Cyprus), Dr. M. V. Reddy (Senior Researcher, Institute of Research Hydro-Québec, Montreal, Canada),

Prof. K. Mohanty (IIT Gandhinagar), Prof. P.M.V. Subbarao (IIT Delhi), Prof. Debabrata Das (IIT Kharagpur), Prof. Dilip Sharma (MNIT Jaipur), Prof. G.D. Agarwal (MNIT, Jaipur) and many other experts delivered keynote addresses covering various aspects of Renewable Energy and Sustainable Development. In all, 13 expert talks, including 3 plenary talks, were delivered by renowned researchers in the field of renewable energy and sustainable development. A total of 72 papers were presented in 10 technical sessions of ICONRER-2021 addressing various aspects and the state-of-the-art research on various themes of the conference.

WEBINAR ON 'SCOPE OF AUTOMOTIVE SECTOR'

SAE India Collegiate Club, SKIT, with Elite Techno Groups conducted a national level certification webinar- on 'Scope of Automotive Industry' during and after COVID-19 on 9 June 2020. The expert speaker Mr. Sundar Iyer, shared his insights on current Trends and Technologies in the automotive industry with his technical experience of working with Honda and Volvo CE.

FDP ON "ALTERNATIVE FUELS"

A five-day RTU (ATU) TEQIP III Sponsored Faculty Development Program on Alternative Fuels was conducted from March 01 to 05, 2021 by the Department. Dr. Ashish Nayyar was the Coordinator. Mr. Nitin Goyal and Mr. Yogesh

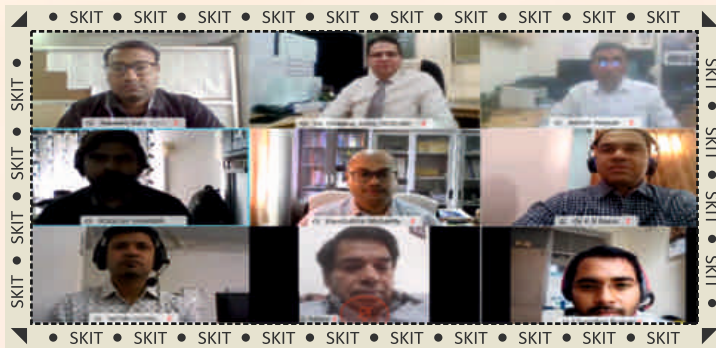


Photo Frame of FDP

Sharma were the Conveners of this FDP. The FDP started with the welcome address by Mr. S.N. Vijayvargiya (Dean, R&D, SKIT). The Chief Guest. Prof. K. Mohanty (Prof., IIT Guwahati) and Dr Rahul Goyal, (Prof., Manipal University, Jaipur) shared their research works. On day two Dr. Vinod S. Yadav Professor, (NIT, Uttarakhand) and Prof. L.M. Das Professor (IIT, Delhi) addressed the participants. On day three Prof. K.K. Khatri (LNMIIT, Jaipur) and Prof. Y. K. Vijay, IIS University, Jaipur shared their research works.

On day four Mr. Anmesh Srivastava, (NIT, Patna) and Dr. N. L. Jain (Poornima University) addressed the participants. On day five Prof. S. Mohan, (IIT, Madras) and Dr. Satish Mehla (GM, RSLDC, Jaipur) enlightened the students. Dr. Satish Mehla (GM, RSLDC, Jaipur) Dr. Dheeraj Joshi, Dr. Ashish Nayyar, and Dr. K.B. Rana graced the valedictory session.

EXPERT INDUSTRY TALK ON "WHAT AFTER B.TECH.? DIFFERENT CAREER PATHS"

Rajasthan Technical University, Kota and SKIT Jaipur, jointly organised a one-day expert Industry talk sponsored by RTU

(ATU) TEQIP- III on 16 January 2021. Industry expert Mr. Manish Mathur (Husqvarna Group, Charlotte, North Carolina, USA) said that engineering, by its very nature, is a creative profession, the need for engineers to think creatively is greater during Corona pandemic than ever before. Four segments -- Product Design, R & D, Manufacturing System Management and Energy Management of opportunities- were discussed during the talk. Dr. Deepak Kumar and Dr. Achin Srivastav coordinated the event.

EXPERT TALK ON "OPPORTUNITIES IN PROCESS INDUSTRIES"

Department of Mechanical Engineering, SKIT organized an online expert talk on "Opportunities in Process Industries" sponsored by RTU (ATU) TEQIP III, on 6 February 2021. The expert for this event Mr. F. A. Ansari, Vice President and Group Head Electrical and Automation, Ambuja Cement, Mumbai, described in detail the career opportunities for engineers in various process industries such as design, construction, operation management and also highlighted the utility of new emerging fields such as robotics, artificial intelligence and automation. The program was chaired by Dr. Dheeraj Joshi, Head, Department, ME, SKIT. Dr. Lata Gidwani (RTU, Expert Lecture Coordinator), Dr. Deepak Kumar, Dr. Achin Srivastava and Mr. Praveen Saraswat (Coordinators, SKIT) welcomed all the participants on the online platform. More than 250 students and teachers benefitted from this program. Dr. Dheeraj Joshi proposed a vote of thanks at the end of talk.

EXPERT TALK ON "STRESS MANAGEMENT IN LIFE"

Department of Mechanical Engineering, organized an RTU (ATU) TEQIP III sponsored online expert talk on 'Stress Management in Life' on 10 February 2021. The expert speaker Ms. Sunita Daga (RAS, Collectorate, Kota) defined stress as any type of change that causes physical, emotional, or psychological strain and it is our body's response to anything that requires attention or action. She added that more desire for materialistic things used for luxurious life causes stress in mind. The program was chaired by Dr. Lata Gidwani (Expert Lecture Coordinator, RTU) and Dr. Ramesh Kumar Pachar (Principal, SKIT). Dr. Dheeraj Joshi (HOD, ME, SKIT) welcomed all the participants. More than 150 students and teachers benefitted from this program.

BOOK CHAPTER PUBLISHED

TITLE : Dynamic Balancing of Planar Mechanisms using Non-Dominated Sorting Jaya Algorithm

AUTHORS : Prem Singh, Ramanpreet Himanshu Chaudhary

PUBLISHER : CRC Press (Taylor and Francis), (2020), ISBN: 978177188889.

Applications (iCADMA 2020) Sponsored by SPARC, MHRD & TEQIP-III, NIT Uttarakhand held at MNIT Jaipur. (5 to 6 November, 2020)

SESSION CHAIRED

TITLE : 2nd International Conference on 'Artificial Intelligence: Advances and Applications (ICAIAA 2021), March 27 28.

SESSION : TS07- Intelligent Sensor, Devices & Application

SESSION CHAIR : Achin Srivastav

ORGANIZED BY : Poornima College of Engineering Jaipur and RTU Kota

TITLE : An Analysis of Critical Factors Using Analytical Hierarchy Process for Implementation of Lean with Industry 4.0 in SMEs

AUTHOR/S : Praveen Saraswat, Rajeev Agrawal, M.L. Meena

CONFERENCE : International Conference on Evolutions in Manufacturing (ICEM 2020) Organized by Department of Mechanical Engineering MNIT Jaipur. (10 to 12 December, 2020)

PAPER REVIEWED

TITLE : Performance Analysis of Multi Gap V-Roughness with Staggered Elements of Solar Air Heater based on Artificial Neural Network and Experimental Investigations (Ms. No. ESPR-D-20-10788) REVIEWER Chandan Kumar

JOURNAL : Environmental Science and Pollution Research (Springer), 2020

TITLE : Numerical Investigation of Diesel Biofuel Performance on CI Engines Using MCDM Technology

AUTHOR/S : Chandan Kumar, Rajendra Singh Chundawat and Ankit Agarwal

CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : Effect of Diesel-Biofuel Blends on Performance of CI Engine

AUTHOR/S : Chandan Kumar, Kunj Bihari Rana and Priyanka Verma

CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

PAPERS PRESENTED IN CONFERENCE

TITLE : Investigation on Mechanical and Thermo-Mechanical Properties of Injection Moulded PP -TiO₂ Composites

AUTHOR/S : Deepak Kumar, Achin Srivastav, Vikash Gautam

CONFERENCE : International Conference on Advances in Materials Processing & Manufacturing Applications (iCADMA 2020), MNIT Jaipur, 5-6 November, 2020.

TITLE : Effect of Biofuels and Various Engine Parameters on CI Engine Performance: A Hybrid-Decision Making Approach

AUTHOR/S : Chandan Kumar, Kunj Bihari Rana and Mukesh Kumar

CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : An Experimental Study on Carbon Fiber Thickness and Layer Thickness of Depositing Material in Fused Deposition Modelling

AUTHOR/S : Purshotum Sharma, Ajay Kumar Dhanopia, Dheeraj Joshi

CONFERENCE : International Conference on Advances in Materials Processing & Manufacturing

TITLE : A Mini Review on the Effect Cleaning Strategies on Productivity of Various Solar Thermal Collectors

AUTHOR/S : Dinesh Kumar Sharma, Dilip Sharma, Ahmed Hamza H Ali

CONFERENCE : International Conference on Futuristic Technologies 2021 organized by Indian Institute of Technology, Delhi, India

TITLE : Slurry Erosion Wear Analysis of Aramid Fiber Reinforced Epoxy Composite with

AUTHOR/S : Marble Dust Filler using Taguchi Experimental Design
 Namita Soni, Monika Khurana, Monu Gupta
CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : Piezoelectric Energy Harvesting Technique in Wireless Sensor Network
AUTHOR/S : Trivendra Sharma
CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : Investigation for Mechanical Properties of Al₂O₃ filled Glass Fiber Reinforced Composites
AUTHOR/S : Monika Khurana, Namita Soni
CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : A Review Analysis of Energy Storage System for Hybrid Electric Vehicle
AUTHOR/S : Ajay Kumar Dhanopia
CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : Outlook on The Indian Scenario of Solar Thermal Cooling: Policies and Challenges
AUTHOR/S : Dinesh Kumar Sharma, Dilip Sharma, Ahmed Hamza H Ali
CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : Improve Productivity and Effectiveness in Arc Welding Processes
AUTHOR/S : Pramod Jain, Saurabh Gupta, Suresh Choudhary, Arun Beniwal
CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : Design and Simulation of 3D Printed Hovercraft as a Resupply Vehicle with CFD
AUTHOR/S : Arun Beniwal, Pramod Jain, Saurabh Gupta, Suresh Choudhary

CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : Recent Trends of Nano technology in Science and Environmental Health Research
AUTHOR/S : Saurabh Gupta, Suresh Choudhary, Pramod Jain, Arun Beniwal
CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : Thermo-Hydraulic Performance of a Solar Air Heater
AUTHOR/S : Suresh Choudhary, Arun Beniwal, Saurabh Gupta, Pramod Jain
CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

TITLE : Study of Waste Heat Recovery using Organic Rankine Cycle (ORC)
AUTHOR/S : Madhukar Kumar, Amit Kumar Bansal
CONFERENCE : 3rd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019), SKIT Jaipur, 11 to 13 February, 2021.

NPTEL / COURSERA COURSES COMPLETED

COURSE/ TOPIC : Programming for Everybody (Getting Started with Python)
COMPLETED BY : Achin Srivastav
DURATION & CATEGORY : Coursera (7 week-2 June 2020 University of Michigan)

COURSE/ TOPIC : Introduction to Thermo dynamics Transferring Energy from Here to There
COMPLETED BY : Arun Beniwal
DURATION & CATEGORY : Coursera (8 week-June to August 2020 University of Michigan, 97.82%)

COURSE/ TOPIC : Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360
COMPLETED BY : Arun Beniwal
DURATION & CATEGORY : Coursera (4 week- June to July 2020, Autodesk 89.00%)

FDPs ATTENDED

TITLE : Solar Thermal Engineering for Sustainable Future
ATTENDED BY : Dinesh Kumar Sharma, Chandan Kumar
ORGANISED BY : Department of ME, SKIT in association with RTU (ATU) TEQIP III
DATE : 24 to 28 August 2020

TITLE : Student Centered Methods and Strategies in Higher Education
ATTENDED BY : Dinesh Kumar Sharma, Achin Srivastav, Arun Beniwal, Deepak Kumar, Prem Singh, Chandan Kumar
ORGANISED BY : Department of ME, SKIT in association with RTU (ATU) TEQIP III
DATE : 10 to 14 August 2020

TITLE : Opportunities and Challenges of E Vehicles in India
ATTENDED BY : Dinesh Kumar Sharma
ORGANISED BY : Department of ME, SKIT in association with RTU (ATU) TEQIP III
DATE : 4 to 5 September 2020

TITLE : Alternative Fuels
ATTENDED BY : Dinesh Kumar Sharma, Chandan Kumar
ORGANISED BY : Department of ME, SKIT in association with RTU (ATU) TEQIP III
DATE : 4 to 5 September 2020

TITLE : Sales force Trail head
DATE : 16 to 20 September 2020
VENUE : SKIT Jaipur
ATTENDED BY : Achin Srivastav

TITLE : Blended and Flipped Approach in Teaching and Learning (ATAL)
DATE : 24 to 28 August 2020
VENUE : National Institute of Technical Teachers' Training and Research, Chennai
ATTENDED BY : Achin Srivastav

TITLE : Online Teaching and Learning (ATAL)
DATE : 17 to 21 August 2020
VENUE : Motilal Nehru National Institute of Technology Allahabad
ATTENDED BY : Achin Srivastav

TITLE : Aatm Nirbhar Bharat: Encourage Enterprise in Rural Communities and Rural Regions
DATE : 4 to 6 August 2020
VENUE : SKIT Jaipur
ATTENDED BY : Achin Srivastav, Deepak Kumar

TITLE : Data Analytics with Python
DATE : 22 to 26 June 2020
VENUE : Department of CSE, NITTTR Chandigarh
ATTENDED BY : Achin Srivastav

TITLE : Machine Learning
DATE : 1 to 5 June 2020
VENUE : Department of CSE & IT, J.B. Institute of Engineering and Technology, Hyderabad
ATTENDED BY : Achin Srivastav

TITLE : Emerging Applications on Deep Learning
DATE : 8 to 12 June 2020
VENUE : Department of CSE and IT, Raja Rajeswari College of Engineering, Bangalore.
ATTENDED BY : Achin Srivastav

TITLE : 3D Printing
DATE : 9 to 13 November 2020
ATTENDED BY : Ajay Kumar Dhanopia, Sandeep Kumar Bhaskar, Chandan Kumar
ORGANISED BY : MBM Engineering College, Jodhpur AICTE (ATAL)

TITLE : Opportunities and Challenges of E Vehicles in India
DATE : 2 to 4 September 2020
ATTENDED BY : Ajay Kumar Dhanopia, Sandeep Kumar Bhaskar, Saurabh Gupta
ORGANISED BY : SKIT in association with RTU, Kota

TITLE : Recent Trends in Advanced Machining and Additive Manufacturing
DATE : 7 to 11 September 2020
ATTENDED BY : Ajay Kumar Dhanopia, Vinay Singh Marwal, Arun Beniwal, Prem Singh, Chandan Kumar
ORGANISED BY : SKIT in association with RTU, Kota

TITLE : Solar Thermal Engineering for Sustainable Future
DATE : 24 to 28 August 2020
ATTENDED BY : Ajay Kumar Dhanopia, Sandeep Kumar Bhaskar, Arun Beniwal, Prem Singh
ORGANISED BY : SKIT in association with RTU, Kota

TITLE : Recent Trends in Material Science and Engineering (RTMSE-2020)
DATE : 20 to 21 August, 2020
VENUE : SKIT in association with RTU, Kota
ATTENDED BY : Vinay Singh Marwal, Arun Beniwal

TITLE : Manufacturing and Recyclization of Engineering Materials-Cement, Glass and Ceramics-(Self- Reliant India)".FDP
DATE : 10 to 11 August, 2020
VENUE : SKIT in association with RTU, Kota
ATTENDED BY : Vinay Singh Marwal

TITLE : Novel Materials
DATE : 18 to 22 September 2020
VENUE : AICTE - ATAL Academy – Rajkiya Engineering College, Banda.
ATTENDED BY : Vinay Singh Marwal

TITLE : 3D Printing & Design
DATE : 7 to 11 September 2020
VENUE : AICTE-ATAL Academy KSR Institute of Engineering & Technology, Chennai.
ATTENDED BY : Vinay Singh Marwal

TITLE : Designing Pedagogies for Online Teaching and Learning
ATTENDED BY : Arun Beniwal
ORGANISED BY : NIT Kuruk shetra & ECB Bikaner (TEQIP-3 Sponsored)
DATE : 23 to 27 September 2020

TITLE : Green Energy: The Energy of Future
ATTENDED BY : Arun Beniwal
ORGANISED BY : SKIT Jaipur & RTU Kota (TEQIP-III Sponsored)
DATE : 7 to 11 September 2020

TITLE : Nano technology Based Green Energy Solution for Solar Cells
ATTENDED BY : Arun Beniwal
ORGANISED BY : SKIT Jaipur & RTU Kota (TEQIP-III Sponsored)
DATE : 10 to 14 September 2020

TITLE : Artificial Intelligence & Data Analytics with MATLAB
DATE : 8 to 12 August 2020
VENUE : Shrinath ji Institute of Technology & Engineering, Nathwara
ATTENDED BY : Deepak Kumar

TITLE : Plc Programming and Industrial Interface
ATTENDED BY : Madhukar Kumar
ORGANIZED BY : St. Joseph Engineering College, Mangalore, Karnataka
DATE : 22 to 24 June 2020

TITLE : 3D Printing & Design
ATTENDED BY : Praveen Saraswat
ORGANIZED BY : Sathyabama Institute of Science and Technology
DATE : 24 to 28 August 2020

TITLE : "FEM/CFD"
ATTENDED BY : Prem Singh
ORGANISED BY : Lakshmi Narain College of Technology, Bhopal, MP
DATE : 14 to 18 October 2020

TITLE : "Soft Computing Techniques"
ATTENDED BY : Prem Singh
ORGANISED BY : Dr. S. & S. S. Ghandhy Government Engineering College, Surat (Gujrat)
DATE : 2 to 6 November 2020

TITLE : Ancient Indian Education System
ATTENDED BY : Amit Kumar Bansal
ORGANISED BY : NITTTR, Kolkata
DATE : 11 to 12 November 2020

TITLE : Operations Management
ATTENDED BY : Saurabh Gupta
ORGANISED BY : Christian College of Engineering Technology, Oddan chatram, Tamil Nadu
DATE : 5 to 9 October 2020

TITLE : Electric Vehicles
ATTENDED BY : Saurabh Gupta
ORGANISED BY : Jawaharlal Nehru National College of Engineering, Shimoga
DATE : 2 to 6 November 2020

TITLE : Alternative Fuels
DATE : 1 to 5 March 2021
ATTENDED BY : Achin Srivastav, Dinesh Kumar Sharma, Nitin Goyal, Chandan Kumar, Sandeep Kumar Bhaskar, Brij Mohan Sharma
ORGANIZED BY : RTU (ATU) TEQIP III & SKIT, Jaipur

TITLE : Deep Learning in Medical Data Analysis
DATE : 20 to 24 December 2020
ATTENDED BY : Achin Srivastav
ORGANIZED BY : RTU (ATU) TEQIP III & SKIT, Jaipur

TITLE : Investor Awareness Programme
DATE : 19 December 2020
ATTENDED BY : Nitin Goyal
ORGANIZED BY : Xcelerating Minds, Mumbai in association with NSE-IAP

TITLE : Advancement in Green and Sustainable Energy
DATE : 26 to 30 December 2020

ATTENDED BY : Chandan Kumar
ORGANIZED BY : Vivekananda Institute of Technology,
Jaipur

TITLE : Renewable Energy
DATE : 14to 18 December 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : Poornima College of Engineering, Jaipur

TITLE : Finite Element Method and
Application
DATE : 28 December 2020 to 1 January 2021
ATTENDED BY : Trivendra Sharma, Brij Mohan Sharma
ORGANIZED BY : TEQIP-III Sponsored in association with
MNIT Jaipur

TITLE : Electrical and Computer
Engineering
DATE : 4 to 8 January 2021
ATTENDED BY : Achin Srivastav
ORGANIZED BY : SKIT Jaipur, under AICTE Training and
Learning (ATAL) Academy

TITLE : Stress Management
DATE : 11 to 13 January 2021
ATTENDED BY : Deepak Kumar, Chandan Kumar,
Sunil Kumar, Sumita
ORGANIZED BY : RTU TEQIP-III & YIT, Jaipur

TITLE : Advances in Manufacturing
DATE : 4 to 8 January 2021
ATTENDED BY : Brij Mohan Sharma
ORGANIZED BY : ATAL academy and SVNIT, Surat

TITLE : Green Technology & Sustainability
Engineering
DATE : 4 to 8 January 2021
ATTENDED BY : Sanjay Bairwa
ORGANIZED BY : MNIT, Jaipur

TITLE : FDP on " Robotics"
DATE : 5 to 9 January, 2021
ATTENDED BY : Monu Gupta
ORGANIZED BY : AICTE, New Delhi

TITLE : Design thinking
DATE : 18to 22 January 2021
ATTENDED BY : Sumita
ORGANIZED BY : JNN College of Engineering

ATTENDED BY : Dinesh Kumar Sharma
ORGANISED BY : AICTE, New Delhi

TITLE : Deep Learning
DATE : 6 June 2020
ATTENDED BY : Achin Srivastav
ORGANIZED BY : Department of CSE, FET, Jain Deemed
to be University, Bangalore in
association with Computer Society of
India, Region V

TITLE : Python Programming Intermediate
DATE : 7 June 2020
ATTENDED BY : Achin Srivastav
ORGANIZED BY : School of Computer Science and
Engineering, Jain Faculty of Engineering
and Technology, Bangalore

TITLE : Effective Communication
Presentation Skills
DATE : 2125 September 202
ATTENDED BY : Arun Beniwal
ORGANIZED BY : SKIT Jaipur & RTU Kota (TEQIPIII
Sponsored)

TITLE : Outcome Based Education
ATTENDED BY : Arun Beniwal
ORGANISED BY : Manipal University Jaipur
DATE : 22-26 June 2020

TITLE : Digital Manufacturing using
Autodesk Fusion 360
ATTENDED BY : Arun Beniwal
ORGANISED BY : ICT Academy, Chennai
DATE : 22 to 27 June 2020

TITLE : Universal Human Values for
Deeksha rambh
ATTENDED BY : Arun Beniwal
ORGANISED BY : NIT Patna
DATE : 21 to 25 September 2020

TITLE : Research Methodology
ATTENDED BY : Madhukar Kumar
ORGANIZED BY : Pandit Deendayal Petroleum University
Gandhi nagar, Gujarat
DATE : 4 to 7 May 2020

TITLE : Cyber-physical Production Systems
ATTENDED BY : Praveen Saraswat
ORGANIZED BY : National Institute of Technology
Andhra Pradesh.
DATE : 21 to 25 September 2020

WORKSHOPS ATTENDED

TITLE : Inculcating Universal Human Values
in Technical Education
DATE : Oct 12-26, 2020

TITLE : Accreditation- A tool for Continuous Improvement WS
ATTENDED BY : Prem Singh
ORGANISED BY : Jodhpur institute of Engineering and technology, Jodhpur
DATE : 27 to 29 August 2020

TITLE : NBA Accreditation Process
DATE : 29 to 31 August 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : B K Birla Institute of Engineering & Technology, Pilani, Rajasthan.

TITLE : Digital Tools for Writing, Authoring & Reviewing Manuscripts
DATE : 21 Sept. to 2 October 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : MNIT Jaipur, NIT Patna & IIT Guwahati

TITLE : Fuel Additives for C.I. Engine and Performance Evaluation
DATE : 10 to 12 September 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : Shrinathji Institute of Technology & Engineering, Nathdwara, Rajasthan

TITLE : Energy Simulation of Building
DATE : 7 to 11 September 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : Balaji College of Engineering & Technology, Jaipur, Rajasthan.

TITLE : Recent Advances in Renewable Technologies for Sustainable Development
DATE : 21 to 22 August 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : Jaipur Engineering College, Jaipur, Rajasthan.

TITLE : Challenges and Opportunities in Engineering after COVID-19
DATE : 29 June to 3 July 2020
ATTENDED BY : Chandan Kumar
ORGANIZED BY : Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan.

TITLE : Research Trends in Mechanical Engineering
DATE : 15 to 20 June 2020

ATTENDED BY : Chandan Kumar
ORGANIZED BY : Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh.

TITLE : Applications of MatLab Tools
ATTENDED BY : Deepak Kumar
ORGANISED BY : RTU (ATU) TEQIP III & Kautilya Institute of Technology & Engineering, Jaipur
DATE : 26 to 30 December 2020

TITLE : SciLab: An Effective Open-Source Tool for Computer Vision and Machine Learning
ATTENDED BY : Monu Gupta
ORGANISED BY : Vidya Jyoti institute of Technology, Hyderabad (Autonomous) with AICTE
DATE : 14 to 19 December 2020

TITLE : Effects of Quality Management in Latest Technologies
ATTENDED BY : Deepak Kumar
ORGANISED BY : RTU (ATU) TEQIP-III & Arya Institute of Engg. & Tech. Jaipur
DATE : 25 to 29 December 2020

TITLE : Empowering the Moral Values, Ethics and Behavioral Attitude in Teaching Skills Among Teachers
ATTENDED BY : Brij Mohan Sharma
ORGANISED BY : Dr. NGP Institute of Technology, Coimbatore
DATE : 18 to 23 January 2021

STTPs ATTENDED

TITLE : Emerging Trends in Mechanical Engineering” STTP
ATTENDED BY : Arun Beniwal
ORGANISED BY : Dr. K. N. Modi University, Jaipur
DATE : 8 to 12 June 2020

TITLE : 3D Printer Software Ultimaker_Cura- 4.7.1-win64.rar
ATTENDED BY : Ajay Kumar Dhanopia
ORGANIZED BY : Department of Mechanical Engineering, SKIT, Jaipur
DATE : 17 October 2020

TITLE : Robotics, Artificial Intelligence & Control
ATTENDED BY : Sudesh Garg
ORGANISED BY : NPIU Sponsored by KLETU, Hubblie (AICTE Sponsored STTP)
DATE : 4 to 7 December 2020

WEBINARS ATTENDED

TITLE : Mathematical Modeling of Engineering Systems
ATTENDED BY : Dinesh Kumar Sharma
ORGANISED BY : Jai Narayan Vyas University, Jodhpur
DATE : 16 September 2020

TITLE : International Webinar on Scientific Writing
ATTENDED BY : Dinesh Kumar Sharma
ORGANISED BY : IIS University, Jaipur and ACT, Mumbai
DATE : 27 to 28 November 2020

TITLE : Education 4.0: Quality, Accreditation and Ranking WEB
DATE : 4 July, 2020
ATTENDED BY : Ajay Kumar Dhanopia, Arun Beniwal, Amit Kumar Bansal, Vinay Singh Marwal
ORGANIZED BY : SKIT, Jaipur

TITLE : Mathematical Modeling of Engineering Systems
ATTENDED BY : Arun Beniwal
ORGANISED BY : MBM Jodhpur (TEQIP-III Sponsored)
DATE : 16 September 2020

TITLE : Solar Cells: History, Technology, Innovation, and Progress
ATTENDED BY : Arun Beniwal
ORGANISED BY : JEC Jabalpur (TEQIP-III Sponsored)
DATE : 24 August 2020

TITLE : Beyond Refrigerants: What's in Store after HFOs & Naturals?
ATTENDED BY : Arun Beniwal
ORGANISED BY : ASHRAE Rajasthan Chapter
DATE : 22 July 2020

TITLE : CO2 Refrigeration and Heat Pumping Systems
ATTENDED BY : Arun Beniwal
ORGANISED BY : ASHRAE Rajasthan Chapter
DATE : 28 July 2020

TITLE : Refrigeration & Air Conditioning using FLOWNEX Simulation Software
ATTENDED BY : Arun Beniwal
ORGANISED BY : India Soft Technologies (P) Ltd., Pune
DATE : 31 July 2020

TITLE : How to Find Health, Work, Life Balance Amid Pandemic
ATTENDED BY : Arun Beniwal

ORGANISED BY : SKIT, Jaipur & Pehla Sukh
DATE : 21 June 2020

TITLE : MEMOIR: Reflections from Alumni
ATTENDED BY : Arun Beniwal, Amit Kumar Bansal, Vinay Singh Marwal
ORGANISED BY : SKIT, Jaipur
DATE : 11 July 2020

TITLE : Nuclear Energy for Sustainable Carbon Free in Electric Power, Food and Water Security and Generating Wealth from Waste
ATTENDED BY : Brij Mohan Sharma
ORGANIZED BY : School of Technology, PDP, Gandhinagar, Gujarat
DATE : 8 June 2020

TITLE : Perspectives on Plasma and Fusion Science and Technology
ATTENDED BY : Brij Mohan Sharma
ORGANIZED BY : School of Technology, PDP, Gandhinagar, Gujarat
DATE : 12 August 2020

TITLE : Research, Innovation & Entrepreneurship Opportunities in Covid 19 Scenario
ATTENDED BY : Madhukar Kumar
ORGANIZED BY : Pandit Deendayal Petroleum University Gandhi nagar, Gujarat
DATE : 15 May 2020

TITLE : Getting Job Ready for Post COVID Era
ATTENDED BY : Madhukar Kumar
ORGANIZED BY : Mc Graw Hill India
DATE : 21 May 2020

TITLE : Effect of Covid-19 On Climate Change and Water Resources
ATTENDED BY : Madhukar Kumar
ORGANIZED BY : Poornima Institute of Engineering & Technology Jaipur, Rajasthan
DATE : 27 May 2020

TITLE : The Economics of Pandemic
ATTENDED BY : Madhukar Kumar
ORGANIZED BY : Mc Graw Hill India
DATE : 28 May 2020

TITLE : Support of Science & Technology to Overcome Covid-19
ATTENDED BY : Madhukar Kumar

ORGANIZED BY : The ICFAI University Jaipur,
Rajasthan

DATE : 4 June 2020

TITLE : Vision of Developed India

ATTENDED BY : Vinay Singh Marwal

ORGANIZED BY : Mc Graw Hill India.

DATE : 27 August 2020

TITLE : Education for Generation-Z WB

ATTENDED BY : Vinay Singh Marwal

ORGANIZED BY : Manipal University, Jaipur.

DATE : 13 June, 2020

TITLE : Robotics, Connecting Minds WB

ATTENDED BY : Vinay Singh Marwal

ORGANIZED BY : Mc Graw Hill India.

DATE : 22 July, 2020

TITLE : Education 4.0 – Reliability Centred
Maintenance

ATTENDED BY : Vinay Singh Marwal

ORGANIZED BY : Vellore Institute of Technology - Chennai.

DATE : 19 July 2020

TITLE : Education 4.0 – SMART MANUFACTURING

ATTENDED BY : Vinay Singh Marwal

ORGANIZED BY : Vellore Institute of Technology Chennai.

DATE : 11 July, 2020

TITLE : Manufacturing of Advanced Composite
Materials and Their Applications

ATTENDED BY : Vinay Singh Marwal

ORGANIZED BY : Feroze Gandhi Institute of Engineering
& Technology, Raebareli.

DATE : 10 June 2020

TITLE : Multi-criteria Decision- Making
Technique in Research

ATTENDED BY : Chandan Kumar

ORGANIZED BY : UD, RTU, Kota.

DATE : 17 September 2020

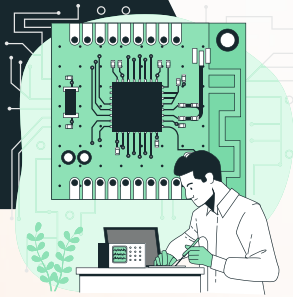
SESSION CHAIRED

SESSION ON : Web-Hack and HR Conclave:
Recruitment and Technology

CHAIRER BY : Ajay Kumar Dhanopia as a Jury
Member

DATE & VENUE : 28 to 29 September 2020, SKIT, Jaipur
in association with RTU, Kota.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



FDP ON 'EMERGING TRENDS IN ORGANIC-ELECTRONICS'

A three-day FDP on 'Emerging Trends in Organic Electronics (ETOE-2020)' sponsored by RTU (ATU) (TEQIP-III) was jointly organized by RTU, Kota & SKIT, Jaipur from 27 to 29 July 2020. The inaugural session was graced by dignitaries like Dr. Jamil Akhtar, Chief Guest, Director, SEEC Manipal University Jaipur and Prof. Dharendra Mathur (Coordinator RTU TEQIP-III), Shri Jaipal Meel (Director, SKIT),

Prof. S.L. Surana (Director-Academics, SKIT), Prof. Ramesh Kumar Pachar (Principal, SKIT), Prof. S. K. Bhatnagar, Director (Research), SKIT and Prof. Dr. Mukesh Arora, HOD, ECE. Shri Jaipal Meel appreciated the new mode of the FDP. Prof. S.L. Surana explained that the use of electronic devices in everyday life has grown tremendously and is generating tremendous e-waste. Prof. S. K. Bhatnagar talked about the history of organic electronics. Dr. Jamil Akhtar delivered an expert talk on Tool Technology and Materials used in organic electronics.

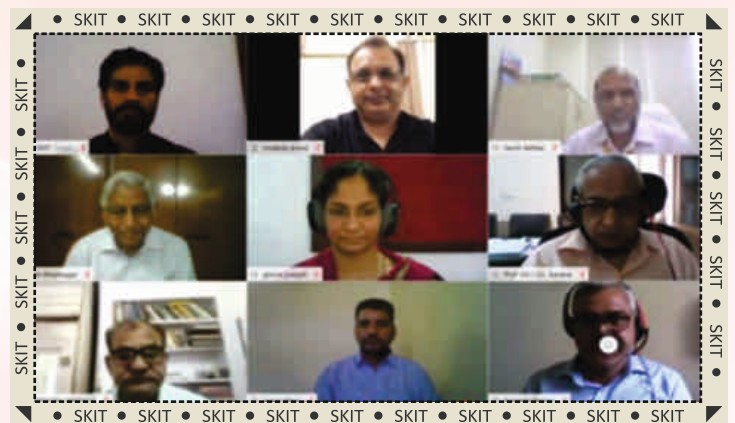


Photo-frame of the Program

Dr. Deepak Bharti, Assistant Professor, MNIT shared his views on the small-scale fabrication technique for organic transistor and sensors. Dr. Praveen Kumar Jain, Professor, SKIT, talked about the graphene based flexible RRAM. Dr. Arun Dev Dhar Dwivedi, Associate Professor, VIT University, Vellore enlightened the participants about

experimental results on organic materials, devices and its modeling. Prof. Dr. G D Sharma of LNMIIT Jaipur, threw light on recent advancement on future generation Organic Solar cell. Dr. Poornima Mittal, Associate Professor, DTU, Delhi provided a deep insight on performance enhancement of various organic devices. Mr. Shobi Bagga appreciated the prominent speakers and experts of this program. Mr. Rahul Pandey, Assistant professor, SKIT gave a brief summary of the events conducted in FDP. Dr. Mukesh Arora proposed vote of thanks. Total 149 participants from Rajasthan were connected through Google Classroom, social media and WebEx.

FDP ON 'EMERGING TOOLS AND TECHNIQUES IN COMMUNICATION SYSTEMS'

A five-day FDP on 'Emerging Tools and Techniques in Communication Systems' (ETTCS-2020), was jointly organized by RTU, Kota & SKIT, Jaipur from 14 to 18 September 2020. Dr. Ananjan Basu, Professor, IIT Delhi, was the guest of honor along with Dr. D. K. Sambariya, RTU Kota (FDP Coordinator). The FDP began with the welcome address by Prof. Mukesh Arora (Head, ECE SKIT).

The Inauguration Ceremony also witnessed the presence of Prof. Praveen K. Jain (Dy. Head, ECE, SKIT), Dr. Monika Mathur, Ms. Manju Choudhary and Mr. Harshal Nigam. Dr. Monika Mathur addressed the participants about the importance of Emerging Tools and Technique in the communication system and its application in Engineering Dr. Ananjan Basu, delivered an expert talk on Recent Advances in Antennas. Dr. Mithilesh Kumar, Prof. RTU Kota, shared his experience in the field of Recent Trends in Micro strip Antennas.

Dr. Kalpana Dhaka, Assistant Professor, Department of Electronics and Electrical Engineering, IIT Guwahati, gave her insights on the Internet of things. Dr. Ujjwal Kalla Associate Professor, NIT Bhopal presented the overview of Renewable Energy along with recent power electronic circuits that can be used to implement a communication system. Prof. S K Bhatnagar Director (Research), ECE Department, SKIT, shared his experience in LTCC for communication systems. Prof. Manish Tiwari Head, Department of ECE, Manipal University, Jaipur shared his views on Non-Linear Optical Phenomena along with recent researches that are going on in the field of optical communication Dr. Kuldeep Singh, Assistant Professor, MNIT Jaipur delivered a talk on Artificial Intelligence and Deep Learning. Prof. Rajesh Kumar Electrical.

Engineering Department, MNIT, Jaipur talked on Modeling of Systems based on Artificial Intelligence, Computational Intelligence and Intelligent System. Dr. Gaurav Mittal, Scientist D, DEAL, DRDO, Dehradun, delivered a talk on Advancement in RF and Microwave systems. Dr. Dinesh Yadav, Assistant Professor, Department of ECE, Manipal University, Jaipur enlightened the participants with the knowledge of Design of Reconfigurable Antennas for Ultra-wide band applications. Pranveer Singh, Institute of Technology, Kanpur shared his experience on Wireless Body Area Network (WBAN).

Antennas: Concept, Design and Challenges. Dr. Nanda kumar Nambath, Assistant Professor, EE Department, IIT Goa, delivered a talk on how to do VLSI design using open-source tools Dr. Pallavi Kohli, Former Assistant Director, AICTE, New, focused on concept of nano technology, its



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application and impact in current and future scenario. This was followed by a talk on Digitally Assisted Multi-Octave Filter-less Transmitter by Dr. Hemant Kumar Singhal, Assistant Professor, Department of Electronics Engineering, NIT, Uttarakhand. Dr. Rukhsar Zafar Associate Professor, ECE, Department, SKIT, shared her experience in the field of Plasmonic based optical sensing technique. In all, 113 faculty members from different institutes of the country participated in this FDP.

FDP ON 'NANOTECHNOLOGY BASED GREEN ENERGY SOLUTION FOR SOLAR-CELLS'

A five-day FDP on 'Nano technology Based Green Energy Solution for Solar Cells (NGESS-2020)' was jointly organized by RTU, Kota & SKIT, Jaipur from 10 to 14 September, 2020. The FDP began with the welcome address by Prof. Mukesh Arora (Head, ECE, Department SKIT). The Inauguration Ceremony witnesses the presence Dr. Chinmoy Saha, Associate Professor, IISST, Kerala, (Chief Guest),

Dr. Debdeep Sarkar, Assistant Professor, IISC Bangalore (Guest of Honor), Dr. Deepak Bhatia (Coordinator, RTU Kota), Prof. Praveen Kumar Jain (Dy. Head, ECE SKIT), Dr. Swati Arora, Dr. Monika Mathur, Dr. Rukhsar Zafar, Ms. Kiran Rathi, and Mrs. Gloria Joseph. Dr. Deepak Bhatia addresses the participants about importance of Nano material in green energy solutions and its relation to the engineering stream. Total 234 faculty members from different institutes of the country participated in this FDP.

Dr. Chinmoy Saha, in association with Dr. Debdeep Sarkar delivered an expert talk on Electromagnetic Energy. Dr. Prabhat Dwivedi, Centre for Nano sciences, IIT Kanpur, gave his insights on Micro Nano fabrication techniques. Prof. Parag Bhargav IIT Bombay enlightened the participants with the Overview of Dye-Sensitized Solar Cells and its importance in improving the efficiency of solar cells. Dr. Prabhat Dwivedi IIT Kanpur shared his knowledge in the field of "A Point-of-care Platform for Preventive Healthcare Devices based on Micro-nano Technologies".

Dr. Raghvendra Kumar Chaudhary, Assistant Professor, IIT Dhanbad shed light on the RF/Microwave Meta materials, followed by two enlightening sessions of Prof. Parag Bhargav, IIT Bombay and Dr. Rukhsar Zafar, Associate Professor, SKIT in the field of Ceramic Nano materials and Plasmonic enhanced Solar Cells. Dr. Pankaj Agrawal, Principal Scientist, CEERI Pilani, discussed the development of Carbon Nano Tube based Sensing Platform. Dr. Praveen Kumar Jain, Professor, SKIT enlightened the gathering with his expertise and related research work. This was followed by an expert lecture on Nano crystalline based Solar Cell by Dr. Amartya Chowdhury, Assistant Professor, MNIT Jaipur who shed light on the importance of thin film cell and the related performance on the basis of experimental work being carried out by him. The sessions enlightened the participants with the most widely used advance strategies and techniques being used in the designing and development of Nano-material based renewable energy sources.

FDP ON 'EMBEDDED SYSTEMS AND IOT'

A five-day FDP on 'Embedded Systems and IoT' was jointly organized by RTU, Kota & SKIT, Jaipur from 4 to 8 August 2020. Dr. Virendra Singh, Coordinator of CADS Lab and Professor, Department of Electrical and Electronics, IIT Bombay was the Chief Guest. The FDP began with the welcome address by Prof. Ramesh Kumar Pachar (Principal, SKIT). Prof. Dharendra Mathur (Coordinator, TEQIP-III, RTU Kota), Prof. S.K. Bhatnagar (Director Research) SKIT, and

Prof. Mukesh Arora (Head, ECE Department) also graced the event. Dr. Virendra Singh talked about the importance of enhancing knowledge of Embedded Systems and IoT and its relation to the engineering stream. Dr. Lava Bhargava, Professor, MNIT Jaipur, enlightened the participants with the basics of the embedded system. Mr. Mohit Sinha, BML, Manipal University discussed about the Field of Embedded System: An Integrated Approach.

Dr. Vivek Srivastava, Professor NIT, Delhi and Dr. Rajesh Kumar, Professor MNIT Jaipur also shared their knowledge on Reliability Applications and Basics of IoT, Hardware and Software respectively. Dr. Rajesh Kumar discussed the basics

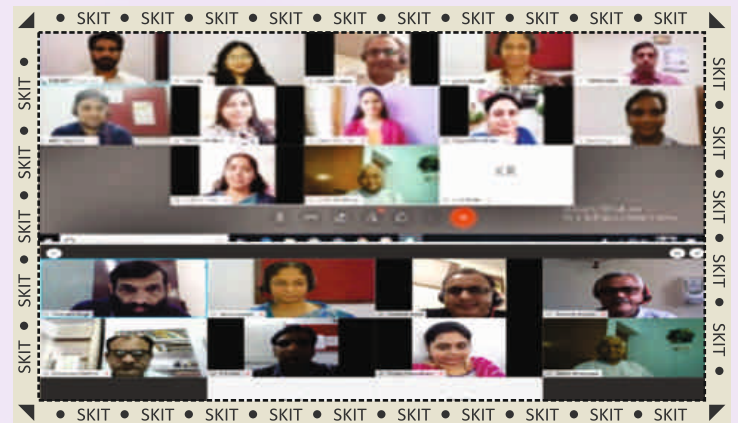


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of Sensors and Actuators. Mr. Ajay Godara, Director, Enovate Skills shared his valuable knowledge in the hands-on practice session on the Arduino Board. Dr. Amit Joshi MNIT, Jaipur highlighted the importance of IoT and its application in medical field followed by two interesting hands-on-practice sessions on Python Programming by Mr. Saurabh Bhardwaj, Co- Founder Tech Nest and Mr. Ajay Godara, Director, Enovate Skills respectively.

In the valedictory session, Ms. Iha Jain, Senior Analyst, Scientist C, National Informatics Centre, Ministry of Woman and Child Development, talked about the use of IoT in the medical and agriculture field and Dr. Tapan Jain, IIIT Nagpur, shed light on Node MCU Blynk App. 410 faculty members from different institutes of the country participated in the FDP. Dr. Mukesh Arora, Head- ECE Dept. delivered vote of thanks.

STUDENT WORKSHOP ON 'VLSI DESIGN AND EMBEDDED SYSTEMS'

VLSI Design and Embedded Systems techniques are the main pillars of the present research, industrial and commercial activities in Electronics Engineering in this context a five-day Student Workshop, sponsored by RTU

(ATU) (TEQIP-III), on 'VLSI Design and Embedded Systems' was jointly organized by RTU, Kota & SKIT, Jaipur from 21 to 25 September, 2020. Dr. Alpana Agarwal, Professor and Head, ECE Department, Thapar Institute of Engineering and Technology, Patiala, Punjab was the Chief Guest. The workshop began with the welcome address by Prof. Mukesh Arora (Professor & Head ECE, SKIT).



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Dr. Swati Arora (Coordinator) gave an overview of all the sessions of workshop. Prof S.K. Bhatnagar (Director (Research), SKIT), Prof. Praveen Kumar Jain (Dy. Head, ECE Department.) and Dr. A Rajani, JNTU Coordinator were also present. Dr. Alpana Agarwal encouraged students to work in the field of AI and IC design.

Mr. Divneet Singh Kapoor, Sr Developer, ESRR, Chandigarh delivered an expert talk on Introduction to IoT and connecting to cloud. Dr. Amit M Joshi, Assistant Professor, MNIT Jaipur, gave an introduction of Xilinx and FPGA. Day one ended with the lecture of Mr. Ankur Vijay, Design Verification Engineer-II, Xilinx India Technology Services Pvt. Ltd. who shared his knowledge on Xilinx Software.

It was a hands-on session for students where experts guided them through all the steps of software and also explained how to use it for hardware programming. Mr. Anshul Sharma, Sr. Developer ESRR Chandigarh, shed light on the IoT Case studies: Weather Station and Intruder Detection.

Mr. Anurag Sohane Sr. Developer, PS Wave Pvt. Ltd, enlightened students with the introduction of Proteus software with a few hands-on practical examples, followed by an expert talk by Prof. Mohit Sinha, Professor BML, Munjal University on the Basics of Embedded Systems.

Mr. Saurabh Bhardwaj, Co-Founder, Techi Nesttook a hands-on practice session on Python 3.8 software. These sessions were convened by Mr. Saurabh Bhardwaj, and Mr. Ajay Godara, Director, Enovate Skills respectively. Feedback of the FDP was collated from the participants.

FDP ON 'MACHINE LEARNING AND SMART ELECTRONIC SYSTEM'

A three-day FDP, on 'Machine Learning and Smart Electronic System' (MLSES-2020) was jointly organized by RTU, Kota & SKIT, Jaipur from 3 to 5 September, 2020. The

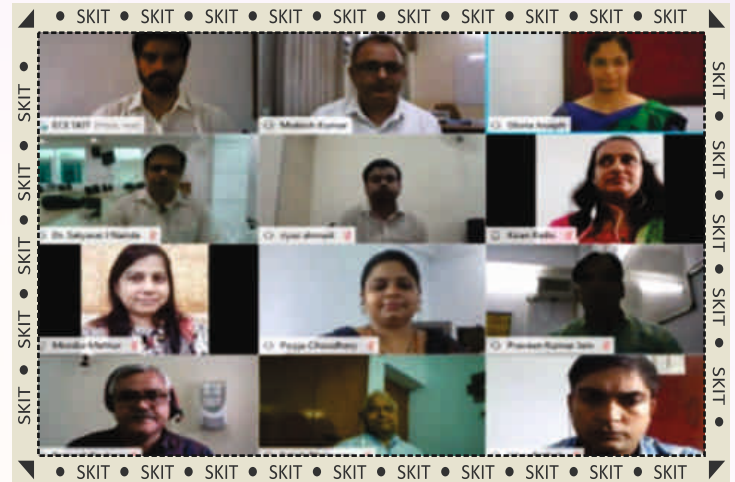


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inaugural session witnessed the graceful presence of Dr. S. J. Nanda, Asst. Professor, Department of Electronics and Communication, MNIT, Jaipur (Guest of Honor), Prof. Ramesh Kumar Pachar (Principal SKIT), Mr. Riyaz Ahmad, Asst. (Event Coordinator, RTU), Prof. S. K. Bhatnagar (Director (Research), SKIT), and Prof. Mukesh Arora (Head, ECE Dept.), and Dr. Praveen Kr. Jain, (Dy. Head, ECE Dept.). Mr. Riyaz Ahmad briefed the participants about FDP.

Dr. S. J. Nanda, Asst. Professor, MNIT, Jaipur delivered an expert talk on Basics of Machine Learning and highlighted its importance in daily life. Dr. Lava Bhargava, Professor, MNIT Jaipur, enlightened the participants about the Embedded Systems for Smart Electronics. Dr. Amit M. Joshi, Asst. Professor, MNIT, Jaipur shared his knowledge in the field of Cyber Physical System for Healthcare. Dr. Nithin V. George, Assoc. Professor, IIT, Gandhi Nagar, shed light on Neural Networks and fuzzy logic in the context of Machine Learning. Dr. Kuldeep Singh, Asst. Professor MNIT, Jaipur and Dr. Trilochan Panigrahi, Associate Professor, NIT, Goa also shared their views on Introduction to Deep Learning and Wireless Sensor Network respectively. Dr. Sitanshu S. Sahu, Asst. Professor, BIT, Mesra, Ranchi talked about machine learning in health care followed by an informative session by Dr. Vasundhara, Asst. Professor, NIT, Warangal, who shed light on Smart Hearing Aids in the last session.. 260 faculty members from different institutes of the country participated in this FDP

FDP ON 'EMERGING TRENDS IN NANO-ELECTRONICS'

A five-day FDP, on 'Emerging Trends in Nano Electronics' (ETNE-2020) was jointly organized by RTU, Kota & SKIT, Jaipur from 21 to 25 September, 2020. Prof. Mukesh Arora (Head, ECE) welcomed the Chief Guest, Dr. Govind, Senior Principal Scientist & Professor (AcSIR), National Physical Laboratory, New Delhi and Guest of Honor,

Dr. Preetam Singh, Principal Scientist National Physical Laboratory, New Delhi. Prof. Praveen K. Jain (Dy. Head, ECE, SKIT) highlighted the achievements of the Institute and how



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the Institute is motivating the faculty members in enhancing their research and development skills. Dr. Rukhsar Zafar (Joint- Coordinator) gave an overview of the programme. Inauguration ceremony also witnessed the presence of Dr. S. K. Bhatnagar, Dr. Shubhi Jain, Dr. Monika Mathur, Dr. Swati Arora, Ms. Kiran Rathi, Ms. Gloria Joseph as panelist members.

Dr. Govind, delivered an expert talk on Fabrication of Next Generation Optical Detectors for Ultraviolet Radiations. Dr. Mahesh Kumar, Associate Professor, IIT Jodhpur shared his experiences in the field of Growth of MoS₂ Nano Materials for NO₂ Gas sensor. Dr. Aditya Jain, Nanjing University of Aeronautics & Astronautics, China, delivered an Expert talk on Multi-Layer Ceramic.

Dr. Mohan S. Mahata, Delhi Technological University, New Delhi, enlightened the participants about the development and application of Nano sized Luminescent Materials. Dr. Anshu Sharma (Central University of Haryana) shared her experiences about Nano Materials for Hydrogen Energy Applications. Dr. Praveen Kumar Assistant Professor-IACS-Kolkata, & Chairperson of the Marie Curie Alumni Association (MCAA) Indian Chapter, delivered his talk on Material Science Innovation of Hydrogen Generation from Water.

Dr. Pooja Sharma, Senior Scientist CSIR-CSIO, Chandigarh delivered a talk on Carbon Quantum Dots. Dr. Rakesh Ranjan, NIT Patna, shared his views on Nano -Photonics Waveguides and its Applications. Professor Vijay Janyani (MNIT, Jaipur) shared his experience on Photonics Crystal Assisted Solar cells. Dr. Sanjeev Yadav, Govt Engineering College, Ajmer, threw light on Nano Antennas and Meta materials.

Dr. Anurag Gaur, NIT Kurukshetra shared his experiences on Spintronics based Magneto-resistive and Multiferroic Materials. Dr. Balwinder Raj, Associate Professor, NITTTR Chandigarh, delivered a talk on Multi Gate Nano-Electronics Devices. A session of Carbon Nano Materials and their Applications was conducted by Dr. Kanupriya Sachdev, Professor, MNIT Jaipur. Dr. Rishi Vyas, Associate Professor, SKIT shed light on the Aspects of Conductometric Gas Sensors. Dr. M.L Meena and Mr. Riyaz Ahmad were the RTU Coordinators and Dr. Praveen Kumar Jain, Dr. Mukesh Arora, Dr. Rukhsar Zafar and Dr. Shubhi Jain were the coordinators of the FDP.

STTP ON 'RECENT ADVANCES IN NANO-PHOTONICS TECHNOLOGY'

A six-day AICTE-AQIS sponsored online STTP on "Recent Advances in Nano-Photonics Technology"(RANPT-2020) was organized by Department of ECE, SKIT Jaipur, from 26 to 31 October, 2020 on Webex online platform. The inaugural ceremony of the STTP witnessed the presence of Prof. Rajendra B Kakde, Adviser, Affiliation Bureau, AICTE as the chief guest and Prof. Vipul Rastogi, Professor, IIT Roorkee as the Guest of Honor.

The inaugural opened up with the welcome address by Shri Surja Ram Meel (Chairman, SKIT Jaipur) followed by motivational words of chief guest and guest of honor highlighting the importance of STTP for participants. Prof. Vipul Rastogi, Professor IIT Roorkee delivered an expert talk on Photonics: Fundamentals & Applications. Dr. Govind, Senior Principal Scientist Professor (AcSIR), NPL Delhi delivered an expert talk on Fabrication of III-Nitride based Photo detectors for Ultraviolet Radiation Detection.

Dr Amit Kr. Garg, from IIIT Kota, in his expert talk on Energy Efficient Gigabit Passive Optical Networks, highlighted the importance of optical engineering in the next generation ultra-fast internet speed. Professor Vijay Janyani (MNIT, Jaipur) shared his expertise in the area of Solar Photo voltaics: fundamentals and recent advances. Dr. Sanjeev K. Metya, Assistant Professor, NIT Arunachal Pradesh

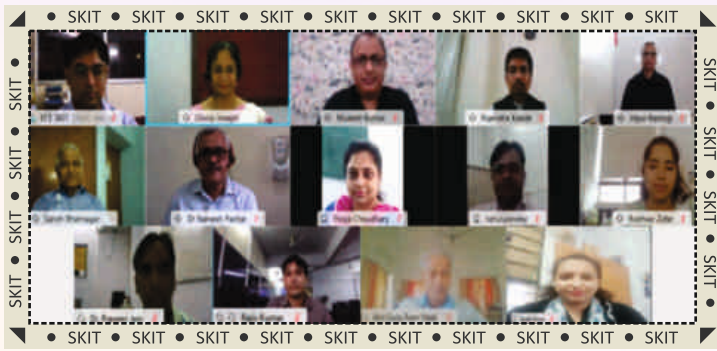


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discussed about Optical Computing using Electro-Optic Effect. Dr. Umesh Tiwari, Principal Scientist, CSIR-CSIO, Chandigarh shed light on Recent Developments in Optical Fiber Amplifiers for Optical Communication. Dr. Vishvendra Singh, IIT Roorkee gave deep insights on Quantum Photo cells and related technologies.

This was followed by two brain storming hands-on practice sessions on Opti-system and Opti-FDTD with an industrial expert Mr. Amandeep Singh from HRU New Delhi. Dr. Govind, Senior Principal Scientist and Professor (AcSIR), NPL New Delhi gave an expert talk on Recent Advancement in Nano plasmonics. Dr. Yogita Kalra, who is associated with Delhi Technical University, Delhi emphasized on the importance of Meta materials and their Applications.

Dr. Amit Garg, from IIIT Kota gave hands-on experience on High-speed optical link designing. Dr. Suchandan Pal, Principal Scientist, CSIR-CEERI Pilani shared his expertise on 'An overview of periodic/ aperiodic nano structures for sensing Applications. Dr. Sudipta Sarkar, Principal Scientist, CSIR-CSIO, Chandigarh enlightened the participants with her expertise in Optical Fiber based nano photonics application.

Prof. Mohit Sinha, BML Munjal University, Gurgaon put light on Photonic Communication and Signal Processing. A session on Periodic Nano photonic Structures based light management for Solar Energy harvesting was delivered by Dr. Nikhil deep Gupta, from IIIT Nagpur. This session was followed by an expert lecture on optical sensors by Dr. Umesh Kumar Tiwari, CSIR-CSIO, Chandigarh.

The last session of the STTP was based on a hands-on session on solar cell structure simulation by Dr. Nikhil deep Gupta, IIIT Kota. The valedictory session was graced by the benign presence of Prof. Mithilesh Kumar, RTU Kota and Dr. Bhupesh Bishnoi, National Institute of Advanced Industrial Science and Technology, Japan. Prof. Mithilesh, RTU Kota highlighted the importance of Nano-photonics and its relevance in recent scenarios. Dr. Bishnoi also shed light on

how the photonics and the related technologies are garnering attention nowadays. 100 participants were short listed for the STTP, across the country.

WEBINAR ON ARTIFICIAL INTELLIGENCE FOR SELF-DRIVING CAR

A webinar on Artificial Intelligence for Self-Driving Car was organized on 5 September, 2020. The Objective of the event was to introduce Artificial Intelligence and how it is used in Self Driving Car. Total 69 participants attended the webinar. The event was coordinated by - Dr. Praveen K Jain, Mr. Ankit Agarwal.

WEBINAR ON 'MACHINE LEARNING FOR GAMING'

A webinar on 'Machine Learning for Gaming' was organized on 17 October 2020. The main objective of the event was to provide the knowledge of machine learning through practical approach on games. Total 138 participants (Student+ Faculty) attended the event which was coordinated by Prof. Mukesh Arora, Ms. Rajni Idwal and Ms. Priyanka Sharma.

2ND INTERNATIONAL CONFERENCE ON 'ADVANCEMENTS IN NANOELECTRONICS & COMMUNICATION TECHNOLOGIES'

A three-day International Conference on "Advancements in Nanoelectronics and Communication Technologies" (ICANCT-2021) was organized by Department of Electronics and Communication Engineering SKIT, Jaipur from 4 to 6 February, 2021. Out of 41 papers, 35 papers were selected. Over 100 participants from different institutes all over the world participated in the conference.

The inaugural session was graced by the Chief Guest Dr. R.K.Soni, (Director, ATAL Academy, AICTE, New Delhi), and Guests of Honour Dr. Kishore Kumar Sadasivuni, (Professor, Center for Advanced Materials, Qatar University, Qatar & Managing Director, Journal of Emergent Materials (Springer), and Dr. Badrul Hisham Ahmad, (Professor, Universiti Teknikal Malaysia (UTeM), Malaysia). In his welcome address, Prof. (Dr.) Mukesh Arora, Head, ECE Dept. SKIT), highlighted the importance of nano electronics and communication technologies. Prof. (Dr.) S. L. Surana,

Director (Academics), SKIT, highlighted the achievements of SKIT. Dr. Praveen Kumar Jain, Dy-head ECE Dept. imparted a note about the conference. Dr. Kishore Kumar Sadasivuni delivered a keynote address on non-enzymatic sensor to detect diabetes by monitoring acetone level in human breath.

Dr. Badrul Hisham Ahmad discussed about low temperature co-fired ceramic (LTCC) technology, its usage and applications in RF equipment. Dr. Yaseera Ismail in his expert lecture emphasised that Quantum Key Distribution (QKD) is based on a physical process of ensuring the security information through the transmission of quantum carriers in the form of single photons. The first session of the first day was chaired by Prof. (Dr.) S. K. Bhatnagar, Director (Research), SKIT and Dr. Monika Mathur.

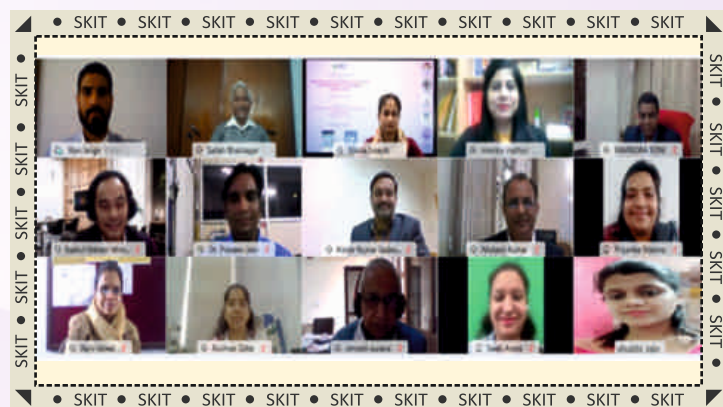


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On the second day, expert talks were delivered by Dr. Heena Rathore, Assistant Professor, University of Texas, San Antonio, USA. She described about the advances in new machine learning algorithms; Dr. V. Chithambaram, R&D Dean, Peri Institute and Technology, Tamil Nadu delivered his expert talk on various techniques to grow single crystal when only a few milligrams are available of the compound of interest; Dr. Praveen Kumar, Assistant Professor, IACS, Kolkata, also shared his knowledge on his analysis of current deficit in the demand and supply of fossil fuels followed by their polluting effect on the environment;

Dr. D. R. Patil shared his knowledge about developing the smart gas sensors from bulk and nanomaterials viz. ZnO, Bi₂O₃, SnO₂, MnO₂, ZrO₂, etc. On day2, Dr. Swati Arora, Associate Professor, SKIT Jaipur and Dr. P K Jain, Dy. HOD (ECE), SKIT, chaired the session. Third day began with an expert talk of Dr. S. Shanmugan, Associate Professor, Koneru Lakshmaiah Education Foundation, Vijaywada, who

enlightened the participants about the concepts of evaporation and condensation processes and possible enhancement in the distillation context. Dr. Sudhesh Kumar, Department of Physics, R.P. Degree College, Kamalganj, Farrukhabad, India, also delivered an expert talk on research in the rapidly growing field of 'semiconductor spintronics'.

There after, Dr. Tawfik Ismail, Director of Wireless Intelligent Networks Research Center, and Wireless Technology, Nile University, Egypt shed light on the practical implementation of wireless RF and optical channels. Dr. Sunil Vadera, Professor of Computer Science, University of Salford, shed light on Pruning Deep Neural Networks with Multi-Armed Bandits. Prof. (Dr). Mukesh Arora and Dr. Rukhsar Zafar, Associate Professor, SKIT Jaipur chaired the session.

The valedictory session was graced by Dr. R. S. Meena, (Professor & Head, EC Dept. UCE, Rajasthan Technical University) as the Chief Guest and Dr. Tawfik Ismail, (Director of Wireless Intelligent Networks Research Center, and Wireless Technology, Nile University Egypt), as Guest of Honour. Dr. Mukesh Arora, Head, Department of ECE, welcomed the guests and participants. Dr. Praveen Kumar Jain, Dy-Head, EC Department delivered vote of thanks. The final report of the conference was read by Dr. Swati Arora, Associate Professor, Department of ECE, SKIT.

The Convenors of the Conference were Prof. (Dr.) Mukesh Arora, Prof. (Dr.) P. K. Jain, and co-convenors were Dr. Monika Mathur, Dr. Rukhsar Zafar, Dr. Swati Arora, while organizing Secretaries were, Dr.Shubhi Jain, Ms. Rajni Idawal, Ms. Priyanka Sharma.

SHORT-TERM TRAINING PROGRAM-II ON 'RECENT ADVANCES IN NANO-PHOTONICS TECHNOLOGY'

A six-day AICTE AQIS sponsored Short-term Training Program-II, was organized by the ECE, Department from 14 to 19 December, 2020. The inaugural ceremony witnessed the presence of the Chief Guest, Prof. Ajoy Ghatak, (Former Professor IIT Delhi, MN Saha Distinguished Fellow of NASI) and Guest of Honor, Prof. Ashok Nagawat, (Director Skill Education, Rajasthan ILD Skill University, Jaipur). In the first session of the first day Prof. Ajoy Ghatak delivered an expert talk on Revolution in Optical Communication.

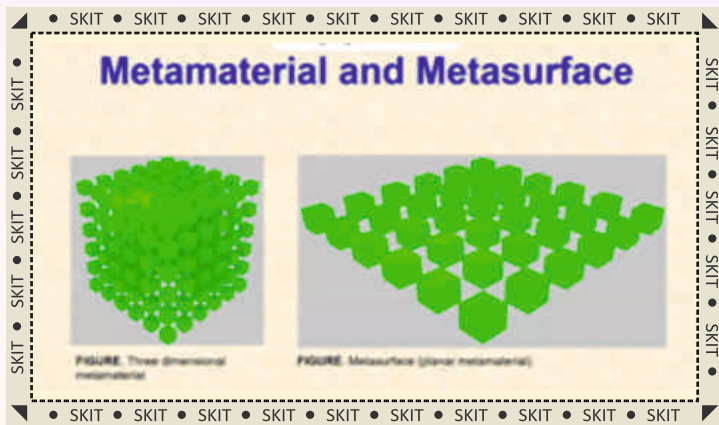


Photo-frame of the Program II Nano Photonics

Dr. Praveen Kumar, IACS Kolkata, shared his knowledge on Engineered Heterostructure for Hydrogen Fuel Generation from Water, followed by a lecture of Dr. Manish Mathew, Principal Scientist CSIR-CEERI Pilani, who enlightened the participant about III-Nitrides Devices and their applications.

Second day started with an expert lecture of Dr. Debabrata Sikdar from IIT Guwahati, who shared his expertise in the area Promises of Smart Nano-plasmonic devices, followed by lectures of Dr. Saurabh Sahu, from Govt. Engineering College, Jabalpur, and Dr. Arpit Agarwal IIT Jodhpur. They shared their knowledge in the field of Silicon Photonics and Optical Signal processing respectively. Third day was signed in with an expert lecture of Dr. Pooja D, Principal Scientist, CSIR-CSIO Chandigarh. She enlightened the participants with her knowledge in the field of Fundamentals and Instrumentation of Surface Enhanced Raman Scattering. This was followed by two brainstorming hands-on practice sessions on opti BPM and opti FDTD with an industrial expert Mr. Amandeep Singh from HRU New Delhi. Fourth day opened up with the session of Dr. Umesh Tiwari, Principal Scientist CSIR-CSIO, Chandigarh, who gave an expert talk on Recent Trends and Opportunities in the Optical Fiber Sensing Technology. This lecture was followed by a session of Dr. Yogita Kalra, from DTU, Delhi. She emphasized on the importance of Photonic Crystals and Their Applications. Day 4 concluded with an expert talk on Electro Optic Modulators for VLC by Dr. Ravi Maddila, from MNIT Jaipur.

Fifth day started with a session by Dr. Nikhil deep Gupta, Assistant Professor IIIT Nagpur, who shared his expertise on 'Solar Hydrogen Production using III-Nitride Nanowire Photo electrode', followed by an expert talk of Dr. Saurabh Sahu, JEC Jabalpur, who enlightened the participants with hands-on session on Photonic Crystal Simulation. The day ended with an expert lecture of Prof. Ghanshyam Singh, MNIT Jaipur, who shed light on Nano Photonics: Challenges and Potential Application.

Sixth day began with an expert session of Dr. Mukesh Kumar, IIT Indore, who enlightened the participants with the advanced photonic devices for optical communication and interconnects. The last session of the STTP was quite knowledge enriching and was based on III-nitrides Semiconductors for Next-generation Solar Cells and LEDs. The expert session was engaged by Dr. Praveen Kumar, IACS Kolkata, (Honorable Guest of the day).

The valedictory session was graced by the benign presence of Honored guests Prof. Rajeev Gupta, RTU Kota and Dr. Praveen Kumar, IACS Kolkata. 100 participants were short listed for the STTP, across the country. 62 participants successfully cleared the eligibility criterion for certification.

SHORT-TERM TRAINING PROGRAM-III ON 'RECENT ADVANCES IN NANO-PHOTONICS TECHNOLOGY' ORGANIZED

A six-day AICTE AQIS sponsored Short-term Training Program-III was organized by the ECE, Department from 15 to 20 February, 2021. The inaugural ceremony of the STTP witnessed the presence of Padma Shri Dr. Virendra Singh Chauhan, Executive Chairman, NAAC, as the Chief Guest and Dr. Niranjana Prasad, Director-II, DLRL (DRDO), Hyderabad as the Guest of Honor. The inaugural session opened up with the welcome address by Shri Jaipal Meel (Director, SKIT Jaipur), followed by motivational words of chief guest and guest of honor highlighting the importance of STTP for participants.

On the first day Prof. Ajoy Ghatak, of National Academy of Science, India delivered an expert talk on Light and Einstein's $E=mc^2$; Mr. Ankush Sharma, CADFEM, India took a hands on session on Lumeric software; Dr. Debabrata Sikdar, IIT Guwahati delivered an expert talk on methods for theoretical modeling and simulation of photonic devices involving Nanoparticle arrays. Second day started with an expert lecture of Dr. Kapil Debnath, IIT Kharagpur who shared his expertise in the area of silicon photonics for optical interconnects, followed by a lecture of Dr. Ravi Hegde, IIT Gandhi nagar, who shared his knowledge about Chip scale Nano-photonics, enabling next generation sensing, machine vision and computing, followed by an expert lecture of Dr. Amrit anshu Pandey, IIT Varanasi, who shed light on Low Dimensional Materials for high performance optoelectronics devices.

Third day was signed in with an expert lecture of Dr. Rajan Jha, IIT Bhubaneswar who gave the deep insights on

Devices Based on Optical Fiber: Laboratory to Field. This was followed by a hands-on practice session on Lumerical Software by Mr. Ankush Sharma, CADFEM, India. The day 3 ended with the expert lecture of Prof. Vijay Janyani, MNIT Jaipur, who shed light on Gigabit Optical Communication Links: Design Issues and Future Prospects.

Fourth day opened up with much awaited session of Dr. Basudev Lahiri, IIT Kharagpur. He shed light on Split Ring Resonator (SRR) Based Nanoscale Meta materials: Biosensing and Beyond, followed by yet another knowledge enhancing session of Dr. Debarata Sikdar, IIT Guwahati. He emphasized on promises of Nano photonics with new alternative materials and with deep learning. The day ended with Hands-on experience on Lumerical software by Mr. Ankush Sharma CADFEM, India.

Fifth day started with one of the most honorable experts of this STTP, Dr. BC Choudhary, NITTTR, Chandigarh, who shared his expertise on Optical Wireless Communication (OWC) Technologies For 5G Networks, followed by the lecture delivered by Dr. Anshuman Kumar Srivastava, IIT Bombay, on Polaritons for Nanoscale Optics and Recent Advances and an expert lecture of Dr. Ajeet Pandey, DTU Delhi who shed light on design and analysis of specialty optical fibers and waveguides for high power laser. The sixth began with the session on 'Integrated Nano-photonics Devices: Introduction and Advances', by Dr. Mukesh Kumar, IIT Indore, followed by an expert lecture of Dr. Saurabh Sahu, JEC Jabalpur.

He presented Modeling and Simulation of Photonic Crystals. 100 participants were short listed for the STTP, across the country. The assignment and feedback were collected from the participants in valedictory session. 53 participants successfully cleared the eligibility criterion for certification.

PAPERS PRESENTED IN CONFERENCES/ SEMINARS

TITLE : Photonic Crystal Cavities based A Review
 AUTHOR/S : Ankit Agarwal, Dr. S. K. Bhatnagar
 CONFERENCE : 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3), IEEE Publisher, ISBN No. 978-1-7281-1420-0, 22-Jun-20, 10.1109/ICONC345789.2020.9117357

TITLE : Enhancing Gain with Multiple Beams for Four Element Phased Array Micro strip Antenna Using Rogers Substrate Material for 5G Applications
 AUTHOR/S : Harshal Nigam, Monika Mathur, Mukesh Arora
 CONFERENCE : International Conference on Advancements in Nano electronics and Communication Technologies, Materials Today: Proceedings, Elsevier, ISSN No.2214-7853, Jun20, <https://doi.org/10.1016/j.matpr.2020.06.103>

TITLE : Design and Modeling of InGaAs/ GaAsB Nanoscale Hetero structure for Application of Optical Fiber Communication System
 AUTHOR : J. P. Vijay
 CONFERENCE : International Conference on Advancements in Nano electronics and Communication Technologies, Materials Today: Proceedings, Elsevier, ISSN No. 2214-7853, Jun- 20, <https://doi.org/10.1016/j.matpr.2020.05.097>

TITLE : Resistive Switching Characteristics of HfO₂ Based Bipolar Nonvolatile RRAM Cell
 AUTHOR/S : Lalit Lata, Praveen Kumar Jain
 CONFERENCE : International Conference on Advancements in Nanoelectronics and Communication Technologies, Materials Today: Proceedings, Elsevier, ISSN No. 2214-7853, Jun-20, <https://doi.org/10.1016/j.matpr.2020.06.209>

TITLE : An Investigation on A Triple Material Double Gate Cylindrical Gate All Around (TMDG-CGAA) MOSFET for Enhanced Device Performance
 AUTHOR : Rahul Pandey
 CONFERENCE : International Conference on Advancements in Nanoelectronics and Communication Technologies, Materials Today: Proceedings, Elsevier, ISSN No. 2214-7853, Jun-20, <https://doi.org/10.1016/j.matpr.2020.04.899>

TITLE : Toluene-filled Photonic Crystal Fiber with Flat Dispersion,
 AUTHOR : Rukhsar Zafar

CONFERENCE : International Conference on Advancements in Nanoelectronics and Communication Technologies, Materials Today: Proceedings, Elsevier, ISSN No. 2214-7853, Jun-20, <https://doi.org/10.1016/j.matpr.2020.06.109>

TITLE : Investigation of Structural and Optical Properties Of (Zno)X-(Mgo) 1-X (X = 1.0, 0.75, 0.50, 0.20, 0.10) Nano Crystalline Thin Films

AUTHOR : Swati Arora

CONFERENCE : International Conference on Advancements in Nanoelectronics and Communication Technologies, Materials Today: Proceedings, Elsevier, ISSN No.2214-7853, Jun-20, <https://doi.org/10.1016/j.matpr.2020.05.518>

TITLE : Zno/Mgo/ITO Structured Thin Film Transistor for Ultraviolet Photo Detector Application

AUTHOR : Swati Arora

CONFERENCE : International Conference on Advancements in Nanoelectronics and Communication Technologies, Materials Today: Proceedings, Elsevier, ISSN No. 2214-7853, June-20, <https://doi.org/10.1016/j.matpr.2020.05.338>

TITLE : Design of Breast Model using Different Dielectric Materials and UWB Antenna for Tumor Detection

AUTHORS : Harshal Nigam, Monika Mathur, Mukesh Arora

CONFERENCE : 2nd International Conference on Advancements in Nano electronics and Communication Technologies, SKIT Jaipur, 4to 6 February, 2021.

TITLE : Implementation of Bubble Check Algorithm and L-Bubble Check Algorithm for Check Node Processing using High Level Synthesis.

AUTHOR/S : Manju Choudhary, Himanshu Sharma, Vikas Pathak, Ila Roy

CONFERENCE : 2nd International Conference on Advancements in Nano electronics and Communication Technologies, SKIT Jaipur, 4to 6 February 2021.

TITLE : Resistive Random-Access Memory: Materials, Filament Mechanism, Performance Parameters and Application

AUTHORS : Neeraj Jain, Renu Kumawat, Shashi Kant Sharma

CONFERENCE : 2nd Conference on Flexible Electronics for Electric Vehicles, Manipal University, Jaipur, 18 to19 March2021.

TITLE : Effect of Parameter Variation on The Electrical Characteristics of Zno Based TFT's

AUTHORS : Neeraj Jain, Renu Kumawat, Shashi Kant Sharma, Rahul Pandey, Abhinandan Jain, Sunil Lakhawat

CONFERENCE : 2nd International Conference on Advancements in Nano electronics and Communication Technologies (ICANCT-2021), SKIT, Jaipur, 4 to 6February 2021

FDPs ATTENDED

TITLE : Accreditation- A tool for continuous improvement

DATE : 27 to 29 August 2020

VENUE : JIET, Jodhpur

ATTENDED BY : Rajni Idiwali

TITLE : Blended Learning and Flipped Classroom

DATE : 31 August to 4 September 2020

VENUE : ATAL Academy

ATTENDED BY : Praveen Kumar Jain, Shubhi Jain

TITLE : Design Thinking

DATE : 12 to 16 October 2020

VENUE : ATAL Academy

ATTENDED BY : Praveen Kumar Jain, Shubhi Jain

TITLE : Recent Trends in Material Science and Engineering (RTMSE-2020)

DATE : 20 to 21 August 2020

VENUE : SKIT, Jaipur & RTU, Kota

ATTENDED BY : Swati Arora, J. P. Vijay

TITLE : Machine Learning and Smart Electronic System (MLSES-2020)

DATE : 3 to 5 September 2020

VENUE : SKIT, Jaipur & RTU, Kota

ATTENDED BY : Swati Arora, Mamta Jain, J. P. Vijay, Manju Choudhary, Shubhi Jain, Rajni

	Idiwal, Neeraj Jain, Richa Sharma, Abhinandan Jain, Rahul Pandey, Priyanka Sharma, Mr. Lalit Lata	VENUE	: SKIT, Jaipur & RTU, Kota
		ATTENDED BY	: Vikas Pathak
TITLE	: Emerging Tools and Techniques in Communication Systems (ETTCS-2020)	TITLE	: Artificial Intelligence and Machine Learning in Healthcare
DATE	: 14 to 18 September 2020	DATE	: 13 to 24 July 2020
VENUE	: SKIT, Jaipur & RTU, Kota	VENUE	: SKIT, Jaipur
ATTENDED BY	: Swati Arora, Vikas Pathak, Mamta Jain, J. P. Vijay, Manju Choudhary, Shubhi Jain, Rajni Idiwal, Neeraj Jain, Ravi Jangid, Abhinandan Jain, Rahul Pandey, Pooja Choudhary, Priyanka Sharma, Lalit Lata	ATTENDED BY	: Vikas Pathak
		TITLE	: ICT Tools for Teaching, Learning Process and Institute by
		DATE	: 10 to 21 August 2020
		VENUE	: MNIT Jaipur
		ATTENDED BY	: Mamta Jain, Gloria Joseph
TITLE	: Emerging Trends in Nano-Electronics (ETNE 2020)	TITLE	: Perspectives on The Past, Present and Future of Advanced Materials
DATE	: 21 to 25 September 2020	DATE	: 26 to 28 August 2020
VENUE	: SKIT, Jaipur & RTU, Kota	VENUE	: TCE, Karnataka
ATTENDED BY	: Swati Arora, Vikas Pathak, Mamta Jain, Manju Choudhary, Neeraj Jain, Richa Sharma, Ravi Jangid, Pooja Choudhary, Lalit Lata	ATTENDED BY	: Mamta Jain
		TITLE	: Student Induction on UHV
		DATE	: 19 to 23 August, 2020
		VENUE	: AICTE
		ATTENDED BY	: Mamta Jain
TITLE	: Emerging Trends in Organic Electronics (ETOE-2020)	TITLE	: Internet of Things (IoT)
DATE	: 27 to 29 July 2020	DATE	: 5 to 9 October 2020
VENUE	: SKIT, Jaipur & RTU, Kota	VENUE	: ATAL Academy
ATTENDED BY	: Swati Arora, Mamta Jain, J. P. Vijay, Manju Choudhary, Rajni Idiwal, Neeraj Jain, Pallav Rawal, Ravi Jangid, Abhinandan Jain, Gloria Joseph, Pooja Choudhary	ATTENDED BY	: Mamta Jain
		TITLE	: Aatmnirbhar Bharat: Encouraging Enterprise in Rural Communities and Remote Regions
		DATE	: 4 to 6 August 2020
		VENUE	: ATAL Academy
		ATTENDED BY	: J. P. Vijay
TITLE	: Nano technology Based Green Energy Solution for Solar Cells (NGESS-2020)	TITLE	: Applications of Mathematica Modeling in Science and Engineering
DATE	: 10 to 14 September 2020	DATE	: 25 to 27 July 2020
VENUE	: SKIT, Jaipur & RTU, Kota	VENUE	: VIT, Jaipur
ATTENDED BY	: Swati Arora, Mamta Jain, J. P. Vijay, Shubhi Jain, Rajni Idiwal, Neeraj Jain, Richa Sharma, Abhinandan Jain, Rahul Pandey, Gloria Joseph, Pooja Choudhary, Lalit Lata	ATTENDED BY	: Manju Choudhary
		TITLE	: Demystifying 5G RF ASICs.
		DATE	: 24 August to 4 September 2020
		VENUE	: EICT, Govt. of India
		ATTENDED BY	: Shubhi Jain
TITLE	: Embedded Systems and IOT	TITLE	: Wireless Communication Technologies for IoT
DATE	: 27 July to 7 August 2020	DATE	: 27 July to 7 Aug, 2020
VENUE	: SKIT, Jaipur		
ATTENDED BY	: Ravi Jangid, Abhinandan Jain, Rahul Pandey, Pallav Rawal		
TITLE	: Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB		
DATE	: 27-31 July, 2020		

VENUE : EICT,
ATTENDED BY : Shubhi Jain

TITLE : Image Processing using MATLAB
DATE : 27 July to 31 July, 2020
VENUE : NITTR Chandigarh
ATTENDED BY : Harshal Nigam

TITLE : IoT & Embedded Systems
DATE : 3 to 5 September 2020
VENUE : NITTR Chandigarh
ATTENDED BY : Abhinandan Jain

TITLE : IOT using Raspberry PI
DATE : 7 to 10 July 2020
VENUE : PIET, Jaipur
ATTENDED BY : Rahul Pandey

TITLE : Solar Thermal Engineering for Sustainable Future
DATE : 24 to 28 August
VENUE : SKIT, Jaipur
ATTENDED BY : Pooja Choudhary

TITLE : Incorporating Universal Human Values in Education
DATE : 12 to 16 October 2020
VENUE : AICTE
ATTENDED BY : Priyanka Sharma

TITLE : Internet of Things
DATE : 2 to 6 Feb, 2021
VENUE : AICTE, ATAL Academy
ATTENDED BY : Harshal Nigam, Neeraj Jain

TITLE : Advanced Communication and Antennas
DATE : 15 to 26 Feb, 2021
VENUE : E & ICT Academy, MNIT Jaipur
ATTENDED BY : Harshal Nigam

TITLE : Internet of Things
DATE : 21 to 21 January, 2021
VENUE : AICTE Training & (Sikhsha Anusandhan)
ATTENDED BY : Rajni Idawal, Priyanka Sharma, Vikas Pathak

TITLE : Recent Trends in Circuits and Communication (RTCC)
DATE : 19 to 23 February, 2021
VENUE : JECRC, Jaipur RTU TEQIP sponsored
ATTENDED BY : Rajni Idawal, Priyanka Sharma

TITLE : Photonics
DATE : 8 to 12 February, 2021
VENUE : AICTE Training & Academy (KKR & KSR Institute of Tech. & Sc.)
ATTENDED BY : Kiran Rathi

TITLE : RISC-V VLSI Implementation Flow: RTL2GDS
DATE : 27 March to 10 April, 2021
VENUE : E&ICT Academies at IIT Guwahati, NIT Patna, MNIT Jaipur and IIITDM Jabalpur.
ATTENDED BY : Manju Choudhary

WORKSHOPS ATTENDED

TITLE : Creativity and Innovation for Entrepreneurship through Science and Technology
DATE : 18 to 19 August 2020
ATTENDED BY : Praveen Kumar Jain
ORGANIZED BY : VEC, Lakhanpur

TITLE : Student Workshop on VLSI Design & Embedded Systems
DATE : 21 to 25 September 2020
ATTENDED BY : Swati Arora
ORGANIZED BY : Department of EC, SKIT

TITLE : Advanced Embedded System Design using Tiva C Series Micro controller
DATE : 28 June to 7 July 2020
ATTENDED BY : Priyanka Sharma
ORGANIZED BY : Ed Gate Technologies Pvt Ltd Bangalore under Texas Instruments India University Program.

TITLE : Meta materials & its Applications
DATE : 27 to 31 July 2020
ATTENDED BY : Swati Arora
ORGANIZED BY : IEEE

TITLE : Interfacing and Programming on Arduino
DATE : 22 to 23 August 2020
ATTENDED BY : Mamta Jain
ORGANIZED BY : UCET, Bikaner

TITLE : Emerging Trends in Robotics and its Applications
DATE : 9 to 14 September 2020

ATTENDED BY : Mamta Jain
 ORGANIZED BY : PSNA College of Engineering & Technology, Dindigul

TITLE : Outcome based Education and NBA Accreditation Process
 DATE : 27 to 31 July 2020
 ATTENDED BY : Rajni Idawal,
 ORGANIZED BY : BVICAM, New Delhi

TITLE : Outcome Based Education and NBA Accreditation Process
 DATE : 19 to 23 October 2020
 ATTENDED BY : Ravi Jangid, Gloria Joseph
 ORGANIZED BY : MNIT, Jaipur

TITLE : Simulation and Co-simulations of RF Modules
 DATE : 4 to 6 September 2020
 ATTENDED BY : Pallav Rawal, Harshal Nigam
 ORGANIZED BY : IEEE MTT-S Student Branch Chapter, IIT DELHI and IEEE MTT-S DELHI Chapter

TITLE : Recent Trends in VLSI Devices/ Circuits and Applications
 DATE : 1 to 5 October 2020
 ATTENDED BY : Abhinandan Jain
 ORGANIZED BY : MNIT, Jaipur

TITLE : Virtual Labs: Hands on workshop
 DATE : 18 July 2020
 ATTENDED BY : Abhinandan Jain
 ORGANIZED BY : IIT Bombay

TITLE : 3 Day AICTE Examination Reforms
 DATE : 29 January to 1 February 2021
 ATTENDED BY : Manju Choudhary
 ORGANIZED BY : AICTE and KLE Technological University, Hubballi

TITLE : Education 4.0: Quality, Accreditation and Ranking
 DATE : 4 July 2020
 ORGANISED BY : SKIT, Jaipur
 ATTENDED BY : Swati Arora, Gloria Joseph

TITLE : Demystify Machine Learning and Deep Learning
 DATE : 17 July 2020
 ORGANISED BY : SKIT, Jaipur
 ATTENDED BY : Swati Arora, Shubhi Jain

TITLE : Journey from Campus to Corporate
 DATE : 8 July 2020
 ORGANISED BY : RGIT, Mumbai
 ATTENDED BY : Swati Arora, Gloria Joseph

TITLE : Solar Cells: History, Technology, Innovation and Progress
 DATE : 24 August, 2020
 ORGANISED BY : JEC, Jabalpur
 ATTENDED BY : Gloria Joseph

TITLE : Phased Array Antenna
 DATE : 19 September 2020
 ORGANISED BY : SKIT, Jaipur
 ATTENDED BY : Gloria Joseph

TITLE : National Education Policy 2020 Strategies and Framework for Autonomy
 DATE : 15 October 2020
 ORGANISED BY : NITTTR, Bhopal
 ATTENDED BY : Gloria Joseph

TITLE : Remote Sensing, GIS and DEM for Water Resources Assessment
 DATE : 21 August 2020
 ORGANISED BY : JECRC, Jaipur
 ATTENDED BY : Gloria Joseph

WEBINARS ATTENDED

TITLE : Industrial Webinar on "E-Bike"
 DATE : 25 June 2020
 ORGANISED BY : GIET, Gunpur
 ATTENDED BY : Swati Arora

TITLE : Webinar on Optical Science: New Paradigm
 DATE : 3 July 2020
 ORGANISED BY : SKIT, Jaipur
 ATTENDED BY : Swati Arora

TITLE : Adapting Yourselves in IT and Surviving with the Technology Updates
 DATE : 21 July 2020
 ORGANISED BY : IICFEC, Tamil Nadu
 ATTENDED BY : Gloria Joseph

TITLE : MEMOIR "Episode -1"
 DATE : 11 July 2020
 ORGANISED BY : SKIT, Jaipur
 ATTENDED BY : Gloria Joseph

TITLE : Research Seminar on A Metaheuristic Approach for Automatic Segmentation Satellite Images
DATE : 29 August 2020
ORGANISED BY : SKIT, Jaipur
ATTENDED BY : Pooja Choudhary

WEBINARS ORGANIZED

TITLE : Blockchain Applications for Health Care: State of the Art and Future Directions.

DATE : 2 September 2020
ORGANIZED BY : Mukesh Arora, Monika Mathur, Harshal Nigam

TITLE : Machine Learning for Gaming
DATE : 17 October, 2020
ORGANIZED BY : Mukesh Arora, Rajni Idwal, Priyanka Sharma

SESSIONS CHAIRED

EVENT/SESSION ON : Judge for Smart India Hackathon
DATE & VENUE : 1 to 3 August 2020 VEC, Lakhanpur
CHAIRER BY : Praveen Kumar Jain

EVENT/SESSION ON : International Conference on Optical and Wireless Technologies
DATE & VENUE : 3 to 4 October 2020 MNIT, Jaipur
CHAIRER BY : Monika Mathur

SESSION ON : International conference on Agriculture, Environmental and Food Research
DATE & VENUE : 8 to 9 September 2020 IRDCP
CHAIRER BY : Monika Mathur

SESSION ON : International Conference on Advancement in Nano technology and Communication Technologies, 2021

CHAIRER BY : Monika Mathur
DATE & VENUE : SKIT, Jaipur on 3 February 2021.

SESSION ON : International Conference on Advancement in Technologies
CHAIRER BY : Monika Mathur
DATE & VENUE : IRDCP, Online Mode on 29 January, 2021.

EXPERT TALK DELIVERED

TITLE : Keynote Talk
DATE : 5 to 6 November, 2020 in International Conference on Social Science, Economics and Management.
DELIVERED BY : Monika Mathur

TITLE : Outcome Based Teaching & Learning
DATE : 14 to 19 December, 2020 in AICTE-ISTE Refresher Programme
DELIVERED BY : Monika Mathur

BOOK CHAPTERS PUBLISHED

TITLE : Area Optimized High-Level Synthesis of Bubble Check Algorithm for Node Processing
AUTHOR : H. Sharma, Manju Choudhary, Vikas Pathak, Ila Roy Saxena
PUBLISHER : Bansal J., Gupta M., Sharma H., Agarwal B. (eds) Communication and Intelligent Systems. ICCIS, 2019. (Lecture Notes in Networks and Systems, vol 120. Springer, Singapore).

TITLE : VLSI Implementation of Tunable Band Pass Notch IIR filter for Localization of Hot-spots in Proteins
AUTHOR : Vikas Pathak, Dr. S. J. Nanda, Dr. Amit M. Joshi, Dr. Sitanshu S. Sahu
PUBLISHER : Proceedings of the Fourth International Conference on Micro electronics, Computing & Communication Systems (MCCS-2019), Springer, Singapore, 2021 (Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 673).

NPTEL / COURSERA COURSES COMPLETED

COURSE/ TOPIC : TI Embedded System Design Using MSP430 MCU
COMPLETED BY : Priyanka Sharma, Pooja Choudhary
DURATION & CATEGORY : 12 week (AICTE FDP)

SHORT TERM TRAINING PROGRAM

ATTENDED

TITLE : Recent Advances in Nano-photonics Technology
DATE : 15 to 20 February, 2021

ORGANIZED BY : SKIT, Jaipur AICTE AQIS Sponsored
ATTENDED BY : Rajni Idiwai

TITLE : Recent Advances in nano-photonics technology (RANPT-2021)
DATE : 26 to 31 Oct, 2020
ORGANIZED BY : SKIT, Jaipur AICTE AQIS Sponsored
ATTENDED BY : Neeraj Jain

PATENT FILED

TITLE : A Device for Soldering Electronic Components by Reflow Soldering Technique and the Process Thereof.
NAMES : Kiran Rathi, Pooja Choudhary
PATENT DATE : 13 October, 2020

TITLE : Smart Wireless Charging System for IOT Devices in Home Automation.
NAME : Ankit Agarwal
PATENT DATE : 31 March, 2021

TITLE : Intelligent Robotic System to Automate Swab Test to detect COVID-19 Disease
NAMES : P.K. Jain, Pooja Choudhary
PATENT DATE : 31 March, 2021

NPTEL COURSES COMPLETED

COURSE/ TOPIC : Microwave Theory and Techniques
COMPLETED BY : Harshal Nigam, Ankit Agarwal
DURATION & CATEGORY : Sept- Dec, 2020. Awarded Elite Certificate & Silver Medal

COURSE/ TOPIC : Applied Electro magnetics for Engineering
COMPLETED BY : P. K. Jain, Ankit Agarwal
DURATION & CATEGORY : Sept- Dec, 2020. Awarded Elite Certificate

COURSE/ TOPIC : Technical English for Engineers
COMPLETED BY : Pooja Choudhary
DURATION & CATEGORY : Sept- Dec, 2020. Awarded Elite Certificate

COURSE/ TOPIC : Control System
COMPLETED BY : Rahul Pandey
DURATION & CATEGORY : Sept- Dec, 2020. Awarded Elite Certificate & Silver Medal

COURSE/ TOPIC : Introduction to Embedded System Design

COMPLETED BY : Manju Choudhary
DURATION & CATEGORY : Sept- Dec, 2020

COURSE/ TOPIC : Introduction to Internet of Things

COMPLETED BY : Abhinandan Jain
DURATION & CATEGORY : Sept- Dec, 2020, Awarded Elite Certificate

COURSE/ TOPIC : Introduction to Internet of Things

COMPLETED BY : Lalit Kumar Lata
DURATION & CATEGORY : Sept- Dec, 2020.

COURSE/ TOPIC : Microelectronics: Devices to Circuits

COMPLETED BY : Vikas Pathak
DURATION & CATEGORY : Sept- Dec, 2020. Awarded Elite Certificate

COURSE/ TOPIC : Microwave Theory and Techniques

COMPLETED BY : P.K.Jain, Shubhi Jain
DURATION & CATEGORY : Sept- Dec, 2020.

COURSE/ TOPIC : Laser: Fundamentals and Applications

COMPLETED BY : J.P. Vijay
DURATION & CATEGORY : Sept- Dec, 2020. Awarded Elite Certificate & Silver Medal

COURSE/ TOPIC : Semiconductor Devices and Circuits

COMPLETED BY : Vikas Pathak, Neeraj Jain
DURATION & CATEGORY : Sept- Dec, 2020.

COURSE/ TOPIC : Switching Circuits and Logic Designs

COMPLETED BY : Mamta Jain
DURATION & CATEGORY : Sept- Dec, 2020. Awarded Elite Certificate

COURSE/ TOPIC : Microprocessors & Microcontrollers

COMPLETED BY : Vikas Pathak
DURATION & CATEGORY : Jan-April,2021 (12 week). Awarded Elite Certificate & Silver Medal

COURSE/ TOPIC : Analog Circuits

COMPLETED BY : Kiran Rathi
DURATION & CATEGORY : Jan-March, 2021 (8 week). Awarded Elite Certificate & Silver Medal

DEPARTMENT OF ELECTRICAL ENGINEERING



FDP ON "GREEN ENERGY: THE ENERGY OF FUTURE"

A five-day TEQIP-III sponsored FDP on "Green Energy: The Energy of Future" was organized by the Department of Electrical Engineering, in association with RTU, Kota from 7 to 11 September 2020. Dr. S. L. Surana, Director (Academics) introduced the theme and highlighted the efforts that the Government of India is doing in promoting green energy—mainly wind and solar. He also pointed out that deeper



Photo-frame of the Program

penetration of these sources of energy may create several difficulties in the operation of current power grid. Several suggestions such as -creation of hybrid wind and solar plants, hybrid energy storage systems, installation of smart inverter etc. to mitigate the ill effects of intermittent nature of these sources of energy.

Guests of Honour Prof (Dr.) S. N. Upadhyay, Ex-Director, IIT BHU, Varanasi, highlighted the importance of student-teacher learning for capacity building. Green market that can add value to the consumer's lives at a lower cost, needs to evolve he added. Resource persons from reputed academic institutions having expertise in the relevant areas also shared their views.

Mr. Jitendra Singh and Jinendra Rahul coordinated the programme. Total 850 registered participants from different universities and colleges benefitted from this program.

WORKSHOP ON "SIMULATION SOFTWARE FOR ELECTRICAL ENGINEERING : SSEE - 2021" ONWORD

With an aim to address the developments in Electrical Engineering by providing basic knowledge of different simulation software to electrical engineers, a five-day TEQIP-III sponsored E-workshop on "Simulation Software for Electrical Engineers: SSEE-2021" was organised by the Department, in association with RTU, Kota from 8 to 12 February 2021. Dr. Sarfaraz Nawaz and Mrs. Deepti Arela

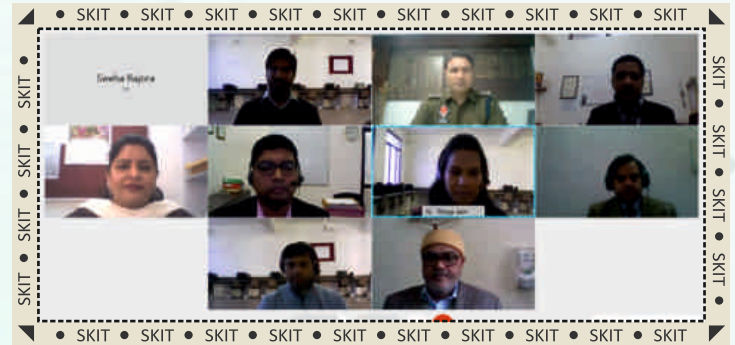


Photo-frame of the Programme

were the workshop coordinators. More than 850 participants from different universities and colleges registered themselves for this program. The E-workshop had 13 informative sessions on the different simulation software. These software were elucidated by eminent speakers from various IIITs, NITs and reputed engineering colleges and industries from all over of India. The Chief Guest for this event, Shri Surendra Lamba (IPS Officer (2013) Punjab, India) stressed the importance of student-teacher learning for capacity building and to remove deficiencies of literacy.

He also shared about his memorable experience of being the part of SKIT family. He discussed about his goals and strategies to achieve them. Mr. Lamba concluded by motivating the participants to choose the path as a leader and thanked all his teachers and mentors who guided him to choose the path of success in his life. Resource persons from reputed academic institutions and industries having expertise in the different simulation software related to the program also delivered lectures in this E-Workshop.

EXPERT TALK BY Mr. YASHPAL CHOUDHARY

An expert talk on 'Commissioning Procedure of EHV Power by Mr. Yashpal Choudhary, Chief Manager, O&M, PGCIL, on

13 September 2020. This session was organized for all the higher semester students of Electrical Department in association with IEI Student Chapter, SKIT, Jaipur. Mr. Choudhary discussed about power transformer commissioning procedure and electrical commissioning. Keeping in tune with the spirit of the session, he gave real life examples and case studies on EHV Power Transformer failures to make the concept clear.



Photo-frame of the Program

WEBINAR ON 'WHAT'S NEXT IN YOUR CAREER'

A special webinar on “What’s next in Your Career” was organized by Electrical Engineering Department in association with IEI Student Chapter, Skit, Jaipur on 26 September 2020. Keynote speaker Mr. AP Singh, (Joint Director, Made Easy), gave insights about exams like Gate, IES and State Government Engineering Exams. He shared vital information about exam syllabus, marks distribution and various success mantras like conceptual clarity, application, accuracy and self-evaluation for clearing the exam. The main takeaway from the event was a clearer understanding about the vast syllabuses of different exams that confuse students. Mr. Choudhary concluded his virtual presentation by explaining job scenario after pandemic. More than 450 students participated in webinar.

INTERACTIVE ALUMNI SESSION BY Mr. KULDEEP KAUSHIK

A two-hour online interactive session with an eminent alumnus of the Institute, Kuldeep Kaushik (Manager, GAIL India, AIR-6 in GATE 2014) was organized by the Department on 12 July 2020. The sessions aimed to provide guidance for preparing for GATE examination. Mr. Kuldeep stressed on putting more efforts for Aptitude, English and Mathematics. He advised the students to keep themselves updated about the power industry trends and to be aware

about the differences in theoretical and practical aspects. He also highlighted the importance of preparing effective resume, SWOT analysis, networking and interpersonal skills, for cracking the interview. More than 100 students attended the session. The event was coordinated by Dr. Sarfaraz Nawaz and Ms. Smriti Jain.

WORKSHOP ON “HANDS ON TRAINING ON MATLAB FOR ENGINEERS” ORGANIZED

With an objective to introduce participants about various features of MATLAB in solving real time problems related to the field of electrical engineering, a five-day RTU (ATU) sponsored student workshop on “Hands on Training on MATLAB for Engineers (HTME-2020)” was organised by the Department of Electrical Engineering, SKIT, from 12-16 December, 2020. More than 800 participants registered for this workshop. The experts who graced this event included, Dr. Anil Swarnkar (Associate Professor, MNIT, Jaipur), Mr.



Photo-frame of the Programme

Abdul Mazid Khan (Business Analyst, Cloud InfoTech Pvt. Ltd, Noida, UP), Mr. Anupam Badola (Data Scientist, Cloud Infotech Pvt. Ltd., Noida, UP), Mr. Nimish Kumar, (Teaching & Research Fellow, NSUT, Delhi), Dr. Bharat Singh Rajpurohit (Assoc. Prof. EED, IIT Mandi, HP) and Dr. Manoj Kumawat (Assistant Professor, NIT, New Delhi).

The workshop started with a technical session by Dr. Swarnkar, who familiarised the participants with pros & cons of high-level programming language like C with MATLAB. Mr. Abdul Mazid Khan and Mr. Anupam Badola focused on hands on training on MATLAB by describing various commands to work in MATLAB environment. Mr. Nimish Kumar discussed application of simulation to solve simple and complex problems related to the field of electrical engineering.

Dr. Bharat Singh Rajpurohit presented the applications of MATLAB in Area of Power Electronics and Drives, with respect to the power systems. Mr. Manoj Kumawat shared his knowledge on “Applications of MATLAB in area of Power System”. The workshop ended with the vote of thanks delivered by Mr. Tarun Naruka.

PAPERS PRESENTED IN CONFERENCES/ SEMINARS

TITLE : Comparative Analysis of Machine Learning Techniques for the Classification of Knee Abnormality

AUTHOR(S) : Ankit Vijayvargiya, Rajesh Kumar, Nilanjan Dey, Joao Manuel R. S. Tavare

CONFERENCE : 2020 IEEE 5th International Conference on Computing Communication and Automation (ICCCA) Galgotias University, Greater Noida, UP, India. Oct 30-31,

TITLE : A Comparative Assessment of Machine Learning Techniques for Epilepsy Detection using EEG Signal

AUTHOR(S) : Balan Dhanka, Ankit Vijayvargiya, Rajesh Kumar, Ghanshyam Singh

CONFERENCE : 7th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON2020), MNNIT, Allahabad, India. India November 27 29, 2020.

TITLE : GWO based Allocation of DG Units in Radial Distribution System

AUTHOR(S) : Ankush Tandon, Sarfaraz Nawaz

CONFERENCE : International Online Conference on Emerging Trends in Multi Disciplinary Research (EMTDR 2020) held at Poornima University Jaipur (July 23 25, 2020).

TITLE : Economic Load Dispatch with Emission and Line Constraints using Biogeography based Optimization Technique

AUTHOR(S) : Jitendra Singh, Sunil Kumar Goyal

CONFERENCE : IEEE International Conference on Intelligent Engineering and Management (ICIEM) (17 to 19 June 2020)

TITLE : Voltage Stability Improvement by Optimal Allocation of STATCOM

AUTHOR(S) : Shubham Sharma, Ajay Bhardwaj, Sarfaraz Nawaz

CONFERENCE : International Conference on Emerging Trends in Multi-Disciplinary Research (ETMDR- 2020), Academic Studies & Research Centre, Poornima University, Jaipur. (23 to 25 July 2020)

TITLE : Multi-Machine Power System Stabilizer Design using Whale Optimization Algorithm

AUTHOR/S : Shashi Raj, Dhanraj Chitara, Ravi Kant Sharma, K. R. Niazi, Anil Swarnkar

CONFERENCE : 2nd International Conference on Recent Development in Engineering and Technology (ICRDET-2021), 26 to 27 February 2021 at Anand International College of Engineering, Jaipur, (Raj.), India.

TITLE : Multi-Machine Power System Stabilizer Design using Grey Wolf Optimization

AUTHOR/S : Ravi Kant Sharma, Dhanraj Chitara, Shashi Raj, K. R. Niazi, Anil Swarnkar

CONFERENCE : International Conference on Computational Intelligence an Emerging Power System (ICCIPS-2021), 9 to 10 March 2021, Engineering College Ajmer (Raj.), India

TITLE : Multi-Machine Power System Stabilizer Design using Dragonfly Algorithm

AUTHOR/S : Dhanraj Chitara, Shashi Raj, Ravi Kant Sharma, K. R. Niazi, Anil Swarnkar

CONFERENCE : International Conference on Latest Trends in Civil, Mechanical and Electrical Engineering (LTCMEE-2021), 12 to 13 April 2021, MANIT, Bhopal, India.

TITLE : Multi-machine Power System Stabilizer Design using Spotted Hyena Optimization

AUTHOR/S : Dhanraj Chitara, Ravi Kant Sharma, Shashi Raj, K. R. Niazi, Anil Swarnkar

CONFERENCE : International Conference on Latest Trends in Civil, Mechanical and Electrical Engineering (LTCMEE-2021), 12 to 13 April 2021, MANIT, Bhopal, India.

TITLE : Multi-Machine Power System Stabilizer Design using Seagull Optimization Algorithm

AUTHOR/S : Dhanraj Chitara, Shashi Raj, Ravi Kant Sharma, K. R. Niazi, Anil Swarnkar

CONFERENCE : National Conference on Advancements in Mechanical, Electronics and Electrical Engineering - (AMEEE- 2021), 15 to 16 April 2021, MANIT, Bhopal, India

TITLE : Multi-Machine Power System Stabilizer Design using Moth Flame Optimization Algorithm
AUTHOR/S : Dhanraj Chitara, Ravi Kant Sharma, Shashi Raj, K. R. Niazi, Anil Swarnkar
CONFERENCE : National Conference on Advancements in Mechanical, Electronics and Electrical Engineering- (AMEEE- 2021), 15 to 16 April 2021, MANIT, Bhopal, India

TITLE : An Application of OB-MFO for Optimal Bidding Strategy in Pay-as Bid Auction Environment
AUTHOR/S : Pooja Jain, Akash Saxena
CONFERENCE : International Conference on Artificial Intelligence: Advances and Applications (ICAIAA-2021) March 27 to 28, 2021

BOOK CHAPTERS PUBLISHED

TITLE : Risk-Averse G2V Scheduling of Electric Vehicle Aggregator for Improved Market Operations
AUTHOR(S) : Suman Sharma, Prerna Jain, PP Gupta
PUBLISHER : Intelligent Computing Techniques for Smart Energy Systems 2020 (pp.195-203). Springer, Singapore.

TITLE : Cuckoo Search Optimisation –Modification and Application
AUTHOR(S) : Dhanraj Chitara, Nand K. Meena, Jin Yang
PUBLISHER : Swarm Intelligence Algorithms, CRC Press, 2020

KEYNOTE ADERESSES DELIVERED

TITLE : Energy Price Fore casting
SPEAKER : Akash Saxena
ORGANISED BY : QIP-III RTU (ATU) sponsored Faculty Development Programme on “Green Energy: The Energy of Future” (GEEF 2020), RTU, Kota and SKIT, Jaipur
DATE : 7 to 11 September 2020

TITLE : Intelligent Crow Search Algorithm
SPEAKER: Akash Saxena
ORGANISED BY : TEQIP-III sponsored one-week FDP during (5 to 9 October 2020) entitled

“Recent trends in Engineering Research.” Government Engineering College, Jhalawar.

DATE : September 7 – 11, 2020

TITLE : Intelligent Forecaster Algorithms
SPEAKER : Akash Saxena
ORGANISED BY : TEQIP-III sponsored One Week (STTP) on “Recent Trends and Advancements in Electrical Engineering with Challenges & Opportunities” at Sagar Institute of Science, Technology and Engineering (SISTec-E) Ratibad, Bhopal.

DATE : 14 to 19 September 2020

TITLE : Green Transportation: Challenges and Opportunities to EV Owners in the Electricity Markets

SPEAKER : Suman Sharma
ORGANISED BY : TEQIP-III sponsored programme at MNIT Jaipur and IEEE Student Branch of MNIT Jaipur in association with IEEE Rajasthan Subsection

DATE : 14 October 2020

NPTEL TRANSLATIONS COMPLETED

COURSE/TOPIC : Optical Communication (IIT Kanpur)
COMPLETED BY : Vikas Ranveer Singh Mahala
CATEGORY : NPTEL Translator / Translated (16 Lectures)
DATE : 13 July 2020

COURSE/TOPIC : Linear Integrated Circuits and Op Amps
COMPLETED BY : Pooja Jain
CATEGORY : NPTEL Translator
DATE : 11 September 2020

NPTEL/ COURSERA COURSES COMPLETED

COURSE/ TOPIC : Digital Electronic Circuits
COMPLETED BY : Rammurti Meena
DURATION & CATEGORY : NPTEL (12-weeks Jan- Apr 2020)

COURSE/ TOPIC : Analog Electronics
COMPLETED BY : Deepti Arela
DURATION & CATEGORY : January to March 2020 (8 week). Awarded Elite Certificate.

COURSE/ TOPIC : Fundamentals of Electrical Engineering
COMPLETED BY : Pooja Jain
DURATION & CATEGORY : September to December 2020 (12week). Awarded Elite Certificate

COURSE/ TOPIC : Introduction to Embedded System Design
COMPLETED BY : Rammurti Meena
DURATION & CATEGORY : September to December 2020 (12 week). Awarded Elite Certificate

COURSE/ TOPIC : Fundamentals of Electrical Engineering
COMPLETED BY : Rammurti Meena
DURATION & CATEGORY : September to December 2020 (12 week). Awarded Elite Certificate

COURSE/ TOPIC : Analog Circuits
COMPLETED BY : Rammurti Meena
DURATION & CATEGORY : January to March 2021 (8 week). Awarded Elite Certificate

COURSE/ TOPIC : Fundamental of Electrical Engineering
COMPLETED BY : Jitendra Singh, Jinendra Rahul
DURATION & CATEGORY : September to December 2020 (12 week). Awarded Elite Certificate

COURSE/ TOPIC : Fundamental of Electrical Engineering
COMPLETED BY : Mohd. Imran
DURATION & CATEGORY : September to December 2020 (12 week). Awarded Elite Certificate & Silver Medal, Topper in 5%

M.TECH. SUPERVISION COMPLETED

TITLE : An Opposition Theory Enabled Intelligent Whale Optimization Algorithm Based Automatic Generation Control for Inter connected Thermal Power System

SUPERVISED BY : Pooja Jain
INSTITUTE : SKIT, Jaipur
YEAR : 2 July 2020
STUDENT NAME : Prateek Jain

TITLE : An Application of Time Varying Inertia Weighted Firefly Algorithm for Solving Economic Load Dispatch Problem
SUPERVISED BY : Pooja Jain
INSTITUTE : SKIT, Jaipur
YEAR : 2 July 2020
STUDENT NAME : Shailja Sharma

TITLE : A Discrete Mayer Wavelet Transform Based Fault Recognition Technique for Transmission Line Protection
SUPERVISED BY : Jinendra Rahul
INSTITUTE : SKIT, Jaipur
YEAR : 21 December 2020
STUDENT NAME : Shyam Sunder Gupta

PAPER REVIEWED

TITLE : Computational Intelligence and Emerging Power System
REVIEWER : Dhanraj Chitara
CONFERENCE : International Conference on Computational Intelligence and Emerging Power System (ICCIPS21) organized by Department of Computes Science and Electrical Engineering College, Ajmer 9 to 10 March, 2021 in India

FDPs ATTENDED

TITLE : Emerging Technology for Developing Nation
DATE : 8 to 12 March, 2021
ORGANISED BY : Govt. Women Engineering College, Ajmer
ATTENDED BY : Ankit Vijayvargiya

TITLE : Smart Electricity for Smart Nation
DATE : 1 to 5 March, 2021
ORGANISED BY : Govt. Women Engineering College, Ajmer
ATTENDED BY : Ankit Vijayvargiya

TITLE : Internet of Things (IoT)
DATE : 15 to 19 March, 2021.
VENUE : Government College of Engineering, Tamilnadu

ATTENDED BY : Baibhav Bishal
ORGANIZED BY : AICTE Training and Learning (ATAL)
Academy

TITLE : Energy Engineering
DATE : 25 to 29 December, 2020
VENUE : NIT, Delhi and AICTE Training and
Learning Academy (ATAL)
ATTENDED BY : Deepti Arela

TITLE : Electrical & Computer Engineering
DATE : 4 to 8 January, 2021
VENUE : National Institute of Technology,
Raipur
ATTENDED BY : Jitendra Singh, Jinendra Rahul, Deepti
Arela

TITLE : Restructured Electricity Supply
System: Operation and Planning
DATE : 15 to 19 March, 2021
VENUE : MNIT, Jaipur, Sponsored by TEQIP III
ATTENDED BY : Ajay Kumar Sharma

TITLE : Recent Development in Engineering and
Technology
DATE : 26 to 27 February 2021
ORGANISED BY : RTU, Kota and Anand International
College of Engineering, Jaipur
ATTENDED BY : Vivek Sharma

TITLE : Advance in Renewable Energy Technologies
DATE : 2 to 8 March 2021
ORGANISED BY : Jodhpur Institute of Engineering and
Technology (AICTE and ISTE)
ATTENDED BY : Vivek Sharma

TITLE : Digital Teaching Techniques
DATE : 7 to 12 December 2020
VENUE : ICT Academy, New Delhi.
ATTENDED BY : Md. Yusuf Sharif

TITLE : Simulation Software for Electrical
Engineers
DATE : 8 to 12 February, 2021
VENUE : SKIT College, Jaipur
ATTENDED BY : Md. Yusuf Sharif

TITLE : Hands on Training on MATLAB for
Engineers
DATE : 13 to 16 December, 2020
VENUE : SKIT College, Jaipur
ATTENDED BY : M Md. Yusuf Sharif

TITLE : Energy Storage
DATE : 22 to 26 February, 2021
VENUE : MNIT Jaipur, (ATAL)
ATTENDED BY : Jitendra Singh, Jinendra Rahul, Vikas
Ranveer Singh Mahala, Baibhav Bishal

TITLE : Green Technology & Sustainability
Engineering
DATE : 4 to 8 January, 2021
VENUE : MNIT Jaipur (ATAL)
ATTENDED BY : Vikas Ranveer Singh Mahala

TITLE : Green Technology & Sustainability
Engineering
DATE : 8 to 12 December, 2020
VENUE : National Institute of Technology Raipur
ATTENDED BY : Vikas Ranveer Singh Mahala

TITLE : Energy Engineering
DATE : 5 to 9 February, 2021
VENUE : AICTE Training and Learning (ATAL)
Academy
ATTENDED BY : Mohd. Imran

TITLE : Guidelines for Sponsored Research
Projects
DATE : 31 October, 2020
VENUE : School of Management Studies,
PRATAP University, Jaipur
ATTENDED BY : Abhishek Gupta

TITLE : Artificial Intelligence
DATE : 21 to 25 September, 2020
VENUE : ATAL Academy & Rajkiya Engineering
College, Sonbhadra
ATTENDED BY : Abhishek Gupta

TITLE : Next Generation Software Tools &
Trends for Industrial Solutions:
Current Practices (NGST- 2020)
DATE : 13 to 17 June, 2020
VENUE : Department of CSE, Govt. College of
Engineering, Aurangabad and Mentee
Institute Ujjain College of Engineering,
Ujjain
ATTENDED BY : Abhishek Gupta

TITLE : Embedded Systems and IOT (ESI 2020)
DATE : 4 to 8 August, 2020
VENUE : SKIT, Jaipur and RTU, Kota
ATTENDED BY : Abhishek Gupta, Ajay Bhardwaj,
Baibhav Bishal, Rammurti Meena,
Tarun Kumar Chheepa, Vikas Ranveer
Singh Mahala, Akash Deo

TITLE	: Data Sciences	Bhardwaj, Suman Sharma, Tarun	
DATE	: 26 to 31 October, 2020	Kumar Chheepa, Vivek Sharma,	
VENUE	: Aligarh Muslim University in association with ATAL Academy	Akash Deo, Md Yusuf Sharif	
ATTENDED BY	: Ajay Bhardwaj		
TITLE	: Demystifying Electric Vehicle: A Green Energy Resolution	TITLE	: Universal Human Values for Student Introduction
DATE	: 14 to 18 September, 2020	DATE	: 12 to 16 October, 2020
VENUE	: Manipal University	VENUE	: AICTE- ISTE
ATTENDED BY	: Ankush Tandon, Jinendra Rahul, Jitendra Singh, Tarun Kumar Chheepa, Ankit Vijayvargiya	ATTENDED BY	: Bharat Modi
TITLE	: Accreditation- A Tool for Continuous Improvement	TITLE	: Student Centred Teaching Methods & Strategies in Higher Education
DATE	: 27 to 29 August, 2020	DATE	: 10 to 14 August, 2020
VENUE	: Jodhpur Institute of Engineering and Technology, Jodhpur	VENUE	: SKIT in association with TEQIP
ATTENDED BY	: Avadhesh Kumar Sharma	ATTENDED BY	: Garvit Gupta, Jitendra Singh, Avadhesh Kumar Sharma, Rammurti Meena, Vikas Ranveer Singh Mahala
TITLE	: Control Applications of Renewable Energy Systems - Recent Trends and Future Aspects	TITLE	: Renewable Integration, Challenges & Opportunities
DATE	: 22 to 27 June, 2020.	DATE	: 1 to 5 September, 2020
VENUE	: Dept. of Electrical, Electronics and Communication Engineering Invertis University, Bareilly	VENUE	: Vedant college of engineering Bundi, in association with TEQIP
ATTENDED BY	: Baibhav Bishal, Jinendra Rahul, Jitendra Singh, Rammurti Meena	ATTENDED BY	: Garvit Gupta, Rammurti Meena, Ankit Vijayvargiya
TITLE	: Managing Online Classes and Co- Creating Moocs	TITLE	: Transient Stability in Power System
DATE	: 20 April to May 06, 2020.	DATE	: 11 to 12 September, 2020
VENUE	: Teaching and Learning Centre Ramanujan College University of Delhi	VENUE	: JEC Kukas in association with TEQIP
ATTENDED BY	: Baibhav Bishal	ATTENDED BY	: Garvit Gupta
TITLE	: Opportunities and Challenges of E- Vehicles in India	TITLE	: Recent Advanced in Power Electronics Drive & Renewable Energy
DATE	: 2 to 4 September, 2020	DATE	: 15 to 19 September, 2020
VENUE	: SKIT, Jaipur	VENUE	: Poornima College of Engineering in association with IEEE
ATTENDED BY	: Baibhav Bishal	ATTENDED BY	: Garvit Gupta
TITLE	: Green Energy: The Energy of Future (GEEF-2020)	TITLE	: Electric Vehicles Design Development & Challenges
DATE	: 7 to 11 September, 2020	DATE	: 15 to 21 July, 2020
VENUE	: SKIT, Jaipur	VENUE	: Sridevi Women's Engineering College, Hyderabad
ATTENDED BY	: Baibhav Bishal, Garvit Gupta, Gaurav Kansal, Jinendra Rahul, Jitendra Singh, Avadhesh Kumar Sharma, Ajay	ATTENDED BY	: Jitendra Singh
		TITLE	: Power Electronic Converters and its Real Time Applications
		DATE	: 21 to 25 July, 2020
		VENUE	: Sri Vasavi Engineering College, Andhra Pradesh
		ATTENDED BY	: Jitendra Singh

TITLE : Emerging Trends in Power Electronics and Power System
DATE : 24 to 29 August, 2020
VENUE : OP Jindal University, Raigarh
ATTENDED BY : Jitendra Singh

TITLE : Soft Computing Techniques
DATE : 25 to 30 July, 2020
VENUE : National Institute of Technology Srinagar, J&K
ATTENDED BY : Kavita Jain

TITLE : Game Pedagogy in Outcome Based Education
DATE : 11 to 12 June, 2020
VENUE : K.C.College of Engineering & Management Studies and Research, Thane
ATTENDED BY : Pooja Jain

TITLE : Energy Engineering
DATE : 21 to 25 September, 2020
VENUE : K.L.N. College of Engineering Sponsored by AICTE ATAL
ATTENDED BY : Pooja Jain

TITLE : Computational Mathematics for Engineers and Researchers
DATE : 10 to 12 July 2020
VENUE : Poornima Institute of Engineering & Technology, Jaipur
ATTENDED BY : Rammurti Meena

TITLE : Effective Design & Delivery of Curriculum in Outcome Based Education
DATE : 6 to 10 July 2020
VENUE : Jhulelal Institute of Technology, Nagpur
ATTENDED BY : Rammurti Meena

TITLE : Applications of Industry 4.0 And IOT in the Field of Engineering and Medical
DATE : 27 to 31 July 2020
VENUE : Deogiri Institute of Engineering and Management Studies, Aurangabad
ATTENDED BY : Rammurti Meena

TITLE : Nano technology based Green Energy Solution for Solar Cells
DATE : 10 to 14 September 2020
VENUE : RTU Kota & SKIT, Jaipur
ATTENDED BY : Rammurti Meena, Vikas Ranveer Singh Mahala

TITLE : Accreditation- A Tool for Continuous Improvement
DATE : 27 to 29 Aug. 2020
VENUE : RTU Kota & JIET, Jodhpur
ATTENDED BY : Rammurti Meena

TITLE : Artificial Intelligence and Data Analytics with MATLAB
DATE : 8 to 12 August, 2020
VENUE : Shrinathji Institute of Technology & Engineering, Nathdwara-and RTU TEQUIP
ATTENDED BY : Tarun Kumar Chheepa

TITLE : Emerging Trends in Power Electronics and Power System
DATE : 24 to 29 August, 2020
VENUE : O P Jindal University, Rajgarh
ATTENDED BY : Tarun Kumar Chheepa, Jitendra Singh

TITLE : Manufacturing and Recycling of Engineering Materials--Cement, Glass and Ceramics (Self Reliant India) (MRCGC)
DATE : 10 to 14 August, 2020
VENUE : SKIT, Department of Chemistry-RTU TEQUIP
ATTENDED BY : Tarun Kumar Chheepa

TITLE : Emerging Trends in Organic Electronics (ETOE-2020)
DATE : 27 to 29 July, 2020
VENUE : SKIT, Department of EC - RTU TEQUIP
ATTENDED BY : Tarun Kumar Chheepa, Vikas Ranveer Singh Mahala, Akash Deo

TITLE : Recent Trends in Material Science and Engineering (RTMSE-2020)
DATE : 20 to 21 August, 2020
VENUE : SKIT, and RTU TEQUIP
ATTENDED BY : Tarun Kumar Chheepa

TITLE : Recent Advancements in the Field of Physical Sciences
DATE : 7 to 8 August, 2020
VENUE : JEC, Kukas and RTU TEQUIP
ATTENDED BY : Tarun Kumar Chheepa

TITLE : Aatmnirbhar Bharat: Encouraging Enterprise in Rural Communities and Remote Regions
DATE : 4 to 6 August, 2020
VENUE : SKIT, RTU TEQUIP
ATTENDED BY : Tarun Kumar Chheepa, Vikas Ranveer Singh Mahala

TITLE : Industrial Automation and Robotics
DATE : 3 to 7 August, 2020
VENUE : DIT University, Dehradun,
Uttarakhand
ATTENDED BY : Tarun Kumar Chheepa

TITLE : Nano-Materials and its Applications
in Science and Technology
DATE : 7 to 9 September, 2020
VENUE : VIT, RTU TEQUIP
ATTENDED BY : Tarun Kumar Chheepa, Vivek Sharma

TITLE : Next Generation of Chemical
Manufacturing & Waste Management
DATE : 29 July to 2 August, 2020
VENUE : IET, Lucknow
ATTENDED BY : Tarun Kumar Chheepa

TITLE : Machine Learning and Its Application
DATE : 15 to 17 September, 2020
VENUE : Vivekanand Institute of Technology,
Jaipur & RTU Kota
ATTENDED BY : Vivek Sharma

TITLE : Outcome based Education and NBA
Accreditation Process
DATE : 19 to 23 October 2020
VENUE : MNIT, Jaipur
ATTENDED BY : Vivek Sharma

TITLE : Solar Cells: History, Technology,
Innovation, and Progress
DATE : 24 August, 2020
VENUE : Jabalpur Engineering College, Jabalpur
ATTENDED BY : Vivek Sharma

TITLE : Solar Thermal Engineering for
Sustainable Future
DATE : 24 to 28 August, 2020
VENUE : SKIT in association with RTU Kota
ATTENDED BY : Vikas Ranveer Singh Mahala

TITLE : ICT Tools for Teaching, Learning
Process and Institute
DATE : 10 to 21 August, 2020
VENUE : NIT Patna, MNIT Jaipur, PDPM IITDM
Jabalpur, IIT Guwahati and IIT Roorkee,
Electronics and ICT Academies
ATTENDED BY : Suman Sharma

TITLE : Advanced Optimization Techniques
and Hands on with MATLAB/SCILAB
DATE : 13 to 24 July, 2020

VENUE : Electronics and ICT Academy, MNIT
Jaipur
ATTENDED BY : Suman Sharma, Ankit Vijayvargiya

TITLE : Digital tools for Writing, Authoring &
Reviewing Manuscripts
DATE : 21 September to 2 October 2020
VENUE : Electronics and ICT Academies, MNIT
Jaipur
ATTENDED BY : Suman Sharma

TITLE : Emerging Trends in Organic
Electronics (ETOE-2020)
DATE : 27 to 29 July, 2020
VENUE : SKIT in association with RTU Kota
ATTENDED BY : Akash Deo

WORKSHOPS ATTENDED

TITLE : Application of Power Electronics
and Drives to Industry (APEDI-2021)
DATE : 2 to 6 March, 2021
ATTENDED BY : Dhanraj Chitara
ORGANIZED BY : National Institute of Technology, Sikkim

TITLE : Control Systems and Applications
DATE : 9 to 13 March, 2021
ATTENDED BY : Dhanraj Chitara
ORGANIZED BY : National Institute of Technology,
Sikkim

TITLE : Recent Trends in Power Systems
DATE : 23 to 27 February, 2021
ATTENDED BY : Dhanraj Chitara
ORGANIZED BY : National Institute of Technology,
Sikkim

TITLE : How to Design Effective Figures for
Review Articles
DATE : 25 February 2021
ATTENDED BY : Baibhav Bishal
ORGANIZED BY : Elsevier Research Academy.

TITLE : Current Trends in Solar and Wind
Technologies
DATE : 16 to 20 January, 2021
ATTENDED BY : Deepti Arela
ORGANIZED BY : Rajasthan Technical University,
Kota at PCE, Jaipur.

TITLE : Hands on Training on MATLAB for Engineers
DATE : 13 to 16 December, 2020
ORGANIZED BY : SKIT College, Jaipur
ATTENDED BY : Manish Kumar Navlakha, Rammurti Meena, Avadhesh Kumar Sharma, Vivek Sharma

TITLE : Simulation Software for Electrical Engineers
DATE : 8 to 12 February, 2021
ORGANISED BY : Department of Electrical Engineering, SKIT College, Jaipur
ATTENDED BY : Vivek Sharma, Vikas Ranveer Singh Mahala, Abhishek Gupta, Manish Kumar Navlakha, Jitendra Singh, Baibhav Bishal, Avadhesh Kumar Sharma, Jitendra Singh, Jinendra Rahul, Deepak Saini

TITLE : Outcome Based Education and NBA Accreditation Process
DATE : 19 to 23 October 2020
ATTENDED BY : Abhishek Gupta, Avadhesh Kumar Sharma
ORGANIZED BY : MNIT, Jaipur" and College of Technology and Engineering Udaipur

TITLE : Aligning Yourself to the Publishing Process
DATE : 23 to 24 July, 2020
ATTENDED BY : Baibhav Bishal

TITLE : Robotics Systems Design using Arm Based MSP432 Microcontrollers
DATE : 17 to 19 June 2020
ATTENDED BY : Baibhav Bishal

TITLE : Effective Communication & Presentation Skills
DATE : 21 to 25 September, 2020
ATTENDED BY : Garvit Gupta
ORGANIZED BY : SKIT Jaipur.

TITLE : Angular JS- Join & learn Web Applications Faster
DATE : 26 June 2020
ATTENDED BY : Rammurti Meena
ORGANIZED BY : Andhra Loyola Institute of Engineering & Technology

TITLE : NPTEL Awareness
DATE : 3 July 2020
ATTENDED BY : Rammurti Meena
ORGANIZED BY : NPTEL

TITLE : How to Use Machine Learning in Computer Vision
DATE : 5 June 2020
ATTENDED BY : Rammurti Meena
ORGANIZED BY : Scaler Edge IEEE student Branch Manipal, Jaipur

WEBINARS ATTENDED

TITLE : NBA Awareness Webinar on "Outcome Based Education and Accreditation"
DATE : 4 December 2020
ATTENDED BY : Abhishek Gupta
ORGANIZED BY : NBA and Rajasthan Technical University, Kota

TITLE : Design, Modeling and Simulation of Solar Thermal, Solar PV & PVT Hybrid System using Polysun Simulation Software
ATTENDED BY : Jitendra Singh, Jinendra Rahul
ORGANISED BY : India Soft Technologies (P) Ltd. Pune
DATE : 15 January, 2021

TITLE : Energy Engineering
ATTENDED BY : Rammurti Meena
ORGANISED BY : National Institute of Technology Delhi with ATAL
DATE : 25 to 29 December, 2020

TITLE : Advances in Power Electronics for Hybrid Electric Vehicle-2020
ATTENDED BY : Rammurti Meena
ORGANISED BY : National Institute of Technology, Andhra Pradesh with ATAL
DATE : 25 to 29 December, 2020

TITLE : Systems Engineering
ATTENDED BY : Rammurti Meena
ORGANISED BY : Malviya National Institute of Technology Jaipur with ATAL
DATE : 1 to 5 February, 2021

TITLE : MATLAB Onramp
ATTENDED BY : Mohd. Imran

ORGANISED BY : MATHWORKS Training Services.
DATE : 10 to 12 February, 2021

TITLE : Recent Development in Engineering
and Technology

DATE : 26 to 27 February, 2021

ORGANISED BY : RTU, Kota and Anand International
College of Engineering, Jaipur

ATTENDED BY : Vivek Sharma

TITLE : Recent Trends in Solar Power

DATE : 4 August, 2020

ORGANIZED BY : Raj Kumar Goel Institute of Technology,
Ghaziabad

ATTENDED BY : Ankit Vijayvargiya

TITLE : Green Transportation: Challenges and
Opportunities to EV Owners in the
Electricity Markets

DATE : 14 October, 2020

ORGANIZED BY : IEEE student branch of MNIT Jaipur, and
IEEE Rajasthan

ATTENDED BY : Baibhav Bishal

TITLE : Commissioning Procedure of EHV
Power Transformer

DATE : 19 September, 2020

ORGANIZED BY : SKIT, Jaipur

ATTENDED BY : Garvit Gupta, Baibhav Bishal, Jitendra
Singh

TITLE : Machine Learning for Gaming

DATE : 17 October, 2020

ORGANIZED BY : SKIT, Jaipur

ATTENDED BY : Garvit Gupta

TITLE : Covid 19 Investments Opportunities in
various Asset Classes-Rebalancing
Portfolios

DATE : 14 July, 2020

ORGANISED BY : ASSOCHAM INDIA

ATTENDED BY : Gaurav Kansal

TITLE : Employability Post Covid Era:
Expectations of Industry Vs Education
System's Preparedness

DATE : 10 July 2020

ORGANISED BY : ASSOCHAM INDIA

ATTENDED BY : Gaurav Kansal

TITLE : MEMOIR- Episode 01- 2004 Batch 'The
Foundation'

DATE : 11 July, 2020

ORGANISED BY : SKIT Jaipur

ATTENDED BY : Gaurav Kansal, Vikas Ranveer Singh
Mahala

TITLE : Education 4.0: Quality, Accreditation
and Ranking

DATE : 4 July 2020

ORGANISED BY : SKIT Jaipur

ATTENDED BY : Gaurav Kansal, Rammurti Meena

TITLE : Thermoelectric Generator and its
Biomedical Applications

DATE : 30 June 2020

ORGANISED BY : Sri Venkateswara College of
Engineering and Technology, Chittoor,
Andhra Pradesh

ATTENDED BY : Rammurti Meena

TITLE : How to Find Health-Work-Life Balance
Amid Pandemic

DATE : 21 June 2020

ORGANISED BY : Pehla Sukh-India Wellness Initiative

ATTENDED BY : Rammurti Meena, Vikas Ranveer Singh
Mahala

TITLE : Zoom Your Career in Data Science

ATTENDED BY : Rammurti Meena

ORGANISED BY : Sigma Group of Institute, Vadodara

DATE : 27 June 2020

TITLE : Opportunities & Challenges in the
Phase of COVID-19

DATE : 4 July 2020

ORGANISED BY : Bangalore Institute of Management
Studies, Bangalore

ATTENDED BY : Rammurti Meena

TITLE : Higher Education & Building Successful
Career Post Covid-19

DATE : 3 July 2020

ORGANISED BY : J K Lakshmipat University

ATTENDED BY : Rammurti Meena

TITLE : Futuristic Trends in Engineering & its
Evolving Career Prospects

DATE : 1 to 5 July 2020

ORGANISED BY : J Dr. M.G.R. Educational and Research
Institute Maduravoyal, Chennai

ATTENDED BY: Rammurti Meena

TITLE: Digital Communication: The New
Success Mantra

DATE : 6 July 2020

ORGANISED BY : WVM's Shree Damodar College of Commerce & Economics, Goa
 ATTENDED BY : Rammurti Meena
 TITLE : Carrier Opportunities in Process Industry for Mechanical Engineers
 DATE : 28 June 2020
 ORGANISED BY : Mandasaur University
 ATTENDED BY : Rammurti Meena

TITLE : Artificial Intelligence
 DATE : 12 July 2020
 ORGANISED BY : Foursteps Training Solutions, Chennai
 ATTENDED BY : Rammurti Meena

TITLE : Recent Approaches for Routing in Wireless Sensor Networks
 DATE : 7 July 2020
 ORGANISED BY : IMPS College of Engineering & Technology
 ATTENDED BY : Rammurti Meena

TITLE : Creativity, Innovation and Indian Startup Ecosystem
 DATE : 15 July 2020
 ORGANISED BY : J K Lakshmi Pat University
 ATTENDED BY : Rammurti Meena

TITLE : An Inspiring Story from Airman to Chairman
 DATE : 9 July 2020
 ORGANISED BY : Geetanjali Institute of Studies, Udaipur
 ATTENDED BY : Ram murti Meena

TITLE : Contribution of Ancient India in Science and Technology
 DATE : 12 July 2020
 ORGANISED BY : The Universal Talks with History Talks by Param Cosigns
 ATTENDED BY : Rammurti Meena

TITLE : Contemporary Trends in Literature and Culture
 DATE : 14 July 2020
 ORGANISED BY : SRM Institute of Science and Technology Ramapuram, Chennai
 ATTENDED BY : Rammurti Meena

TITLE : AWS/ (Amazon Web Services/ Cloud Computing)
 DATE : 24 July 2020
 ORGANISED BY : Mahakal Institute of Technology, Ujjain
 ATTENDED BY : Rammurti Meena

TITLE : Solar Cells: History, Technology, Innovation, and Progress
 DATE : 24 August, 2020
 ORGANISED BY : Jabalpur Engineering College, Jabalpur
 ATTENDED BY : Tarun Kumar Chheepa

TITLE : Importance of Financial Literacy
 DATE : 12 June, 2020
 ORGANISED BY : ANAND College, Jaipur
 ATTENDED BY : Vikas Ranveer Singh Mahala

TITLE : Research Seminar Series: Green Transportation: Challenges and Opportunities to EV Owners in the Electricity Markets
 DATE : 14 Oct., 2020
 ORGANISED BY : MNIT, Jaipur and IEEE Rajasthan Section
 ATTENDED BY : Jitendra Singh

TITLE : Effective Research Manuscript Writing
 DATE : 16 June, 2020
 ORGANISED BY : Manipal University
 ATTENDED BY : Vikas Ranveer Singh Mahala

TITLE : Converters in EV and Microgrid
 DATE : 22 August, 2020
 ORGANIZED BY : IEEE Jamia Millia Islamia Student Branch STB34861
 ATTENDED BY : Suman Sharma

TITLE : Advances in Current Fed Power Electronics Systems
 DATE : 18 August 2020
 ORGANIZED BY : IE Society, IEEE BBSR Subsection.
 ATTENDED BY : Suman Sharma

TITLE : Report Launch Event and Experts Comments on Low Carbon Electricity Transition Roadmaps for India
 DATE : 27 November 2020
 ORGANIZED BY : Center for Sustainability, Policy & Technology Management
 ATTENDED BY : Suman Sharma

TITLE : IEEE Resources: Collaborate C& V Tools
 DATE : 12 July 2020
 ORGANIZED BY : IEEE India Council Student Coordination Team
 ATTENDED BY : Suman Sharma

TITLE : How to Develop a Research Culture in An Academic Institute
 DATE : 28 November, 2020

ORGANIZED BY : MNIT Jaipur
ATTENDED BY : Suman Sharma

TITLE : Artificial Intelligence and Machine Learning for Cybersecurity

DATE : 10 August, 2020
ORGANIZED BY : IEEE Hyderabad Section, CS Chapter
ATTENDED BY : Suman Sharma

TITLE : COVID-19: Risk Management & Simulation Efforts

DATE : 2 to 3 July, 2020.

ORGANIZED BY : Department of Physics, MNIT Jaipur
ATTENDED BY : Suman Sharma

TITLE : Tackling the Covid-19 Crisis-Experience sharing by South Asian Power Distribution Companies

DATE : 25 November, 2020

ORGANIZED BY : South Asia Energy Series
ATTENDED BY : Suman Sharma

STTPs ATTENDED

TITLE : Integration of Renewable Energy Resources

ATTENDED BY : Ankush Tandon, Jinendra Rahul, Jitendra Singh

DATE : 2 to 7 November 2020

ORGANIZED BY : Arya College of Engineering & IT, Jaipur

TITLE : Integration of Smart Grid Technology

ATTENDED BY : Ankush Tandon, Jinendra Rahul, Jitendra Singh

DATE : 23 to 28 December 2020

ORGANIZED BY : Arya College of Engineering & IT, Jaipur

TITLE : Writing and Publishing High Impact Research Publications and Scientific Documents

ATTENDED BY : Abhishek Gupta

DATE : 2 to 7 November 2020

ORGANIZED BY : Dept. of IT, Rajalakshmi Engineering College, AICTE sponsored.

TITLE : Challenges in Grid Interaction with Renewable Energy Sources

ATTENDED BY : Jinendra Rahul, Jitendra Singh

DATE : 22 to 26 June, 2020

ORGANIZED BY : IIT Kurukshetra and GEC Bikaner

TITLE : Digitally Controlled Power Converters for Industrial and Renewable Applications

ATTENDED BY : Jinendra Rahul, Jitendra Singh

DATE : 23 to 28 November, 2020

ORGANIZED BY : SSBT's College of Engineering and Technology, Jalgaon, Maharashtra

TITLE : Future Perspective of Electrical Power

ATTENDED BY : Jitendra Singh

DATE : 9 to 13 October, 2020

ORGANIZED BY : GEC, Ajmer

TITLE : Energy Engineering

ATTENDED BY : Pooja Jain

DATE : 21 to 25 September, 2020

ORGANIZED BY : K.L.N.College of Engineering Sponsored by AICTE ATAL

TITLE : Engineering Optimization

ATTENDED BY : Pooja Jain

DATE : 31 August to 4 September, 2020

ORGANIZED BY : NITTTTR , Kolkata

TITLE : Applications of MATLAB in Engineering

ATTENDED BY : Pooja Jain

DATE : 24 to 28 August, 2020

ORGANIZED BY : NITTTTR , Kolkata

TITLE : Machine Learning and Deep Learning: Research and Applications Perspectives

ATTENDED BY : Ankit Vijayvargiya

DATE : 17 to 22 August, 2020

ORGANIZED BY : Poornima College of Engineering, Jaipur

TITLE : Power Quality & Energy Auditing

ATTENDED BY : Suman Sharma

DATE : 3 to 17 August, 2020

ORGANIZED BY : The National Small Industries Corporation Ltd. Technical Services Centre, Hyderabad, India

TITLE : Machine Learning

ATTENDED BY : Suman Sharma

DATE : 18 August to 1 September, 2020

ORGANIZED BY : The National Small Industries Corporation Ltd. Technical Services Centre, Hyderabad, India

SESSION CHAIRED

SESSION ON : Congress on Intelligent Systems (CIS2020)

CHAIRER BY : Akash Saxena

VENUE : Soft Computing Research Society

DATE : 5 to 6 September 2020.



WEBINAR ON “HOW TO FACE INTERVIEWS”

Department of Civil Engineering (SKIT), Training and Placement Cell-SKIT in collaboration with Student Chapter of Indian Concrete Institute organized a webinar on "How to Face Interviews" on 20 August, 2020. The speaker of the webinar Er. Pradeep Garg (SE, CPWD) focused on the Frequently Asked Questions (FAQs) by the recruiters during interviews. Mr. Garg also threw light on the do's and don'ts in an interview. The session was very helpful for the students who will be appearing in campus interviews.

EXPERT LECTURE ON “DESIGN FUNDAMENTALS OF RC STRUCTURES AS PER IS 456:2000”

BY Er. JETENDER BABUL JANGID

Er. Jetender Babul Jangid was invited to deliver an expert lecture on the topic “Design Fundamentals of RC Structures as per IS: 456-2000” by Ultra Tech Cement, Institution of Engineer's & Indian Concrete Institute, Jaipur on 28 November, 2020. The lecture mainly focused on design parameters of RCC building structures as per IS code. The event was conducted on Microsoft Teams platform and was attended by research scholars, industrial technocrats & well-known practice engineers.

EXPERT LECTURE ON “ADVANCES IN SUSTAINABLE CIVIL INFRASTRUCTURE DEVELOPMENT” BY DR. LALIT KUMAR GUPTA

Dr. Lalit Kumar Gupta was invited to deliver an expert lecture on “Advances in Sustainable Civil Infrastructure Development” by Bhartiya Institute of Engineering and Technology, Sikar, on 28 August 2020. The lecture threw light on sustainable preparation of cement mortar and its physical, mechanical and micro structural behaviors.

INTERACTIVE SESSION WITH MR. HIMANSHU PATEL

Department of Civil Engineering organized an interactive session with Mr. Himanshu Patel (Asst. General Manager, Customer Services Head (Gujarat), NUVOCO Vistas Corp. Ltd.) and Er. Kunal Arora (Manager, Customer Services Head (Rajasthan), NUVOCO Vistas Corp. Ltd.) under Industry Institute Interface on 18 August, 2020. It was an interactive session in which the students asked questions related to their future career. The event was coordinated by Er. Pooja Jain.

WEBINAR ON “CHALLENGES IN INDUSTRY AFTER COVID 19”

The Department organized an interactive session with Mr. Arpit Bhatnagar (Director Barcrafts Rebar Solutions Pvt. Ltd.) under Industry Institute Interface on 28 July, 2020. This webinar provided information about, “How to start a company/startup; Challenges after COVID-19 and Future jobs for civil engineering students”. It was an interactive session in which students asked various questions related to their future career. The event was coordinated by Er. Manmohan Sharma and Er. Saurabh Singh.

STUDENTS WORKSHOP ON “DESIGN OF TRAFFIC ENGINEERING FACILITIES”

The department of Civil Engineering, SKIT, in association with Rajasthan Technical University, Kota, organized an RTU (ATU) TEQIP-III sponsored five day students 'workshop on “Design of Traffic Engineering Facilities” from 25 to 29 December, 2020. More than 750 participants registered for this workshop from various academic institutes and organizations.

The inaugural session on 25 December 2020, was graced by the presence of Chief Guest Hon'ble Vice Chancellor RTU Prof. (Dr.) R.A. Gupta, Guest of Honour Prof. (Dr.) Dharendra Mathur, RTU Event Coordinator Prof. (Dr.) A.K. Dwivedi, Guest Speaker Dr. Ankit Gupta, (IIT-BHU), Director (SKIT) Sh. Jaipal Meel, Principal (SKIT) Prof.(Dr.) Ramesh Kumar Pachar, Mrs. Pooja Jain (Dr. Head, Civil Department) and others.

Prof. (Dr.) R.A. Gupta briefed that the internship & projects also play a vital role for engineering graduates. Prof. (Dr.)

Dhirendra Mathur talked about the initiatives taken under the aegis of TEQIP-III and future planning. Prof. (Dr.) A.K. Dwivedi gave a brief introduction of the event. In first session of day one, Dr. Ankit Gupta from IIT BHU initiated by giving a brief introduction about the basics of 'Traffic Engineering' and the role of a traffic engineer.



Photo-frame of Workshop

Dr. Gupta specially discussed the case of Jaipur city and briefed the students about various models that they can use in the redesigning and reshaping of congested places. During these condession, Prof. (Dr.) Rajat Rastogi from IIT Roorkee delivered his presentation on 'Design of Pedestrian Facilities'. He explained the concepts for the design off too over bridges, subways and other facilities that are essential for the vulnerable road users. He added that proper design with stakeholder's consultation and perception study would result in the improvement of smart cities.

On the second day the distinguished speakers covered relevant topics like "Traffic Studies" and "New Technologies in Road Safety". Ms. Akshika Joshi from Teckkonnct, Gurugram took the first session on various traffic studies of Imphal, Manipur and various types of studies that can be carried in a congested city like Jaipur, and how the data can be analyzed using various software. In the second session, Dr Shrinivas S Arkatkar, Associate Professor SVNIT Surat, discussed. He discussed about the artificial intelligence, data mining and other techniques that can help traffic engineers to solve the problems related to traffic.

FACULTY DEVELOPMENT PROGRAM ON "EMERGING TRENDS IN INFRASTRUCTURE DEVELOPMENT"

The Department of Civil Engineering at SKIT, organized a one-week RTU (ATU) TEQIP-III sponsored Faculty



Photo-frame of FDP

Development Program on "Emerging Trends in Infrastructure Development (ETID-2021)" on 25 February 2021. More than hundred participants from across the globe participated in the event. The inaugural session was graced by the presence of Guest Speaker Er. Rakesh Srivastava (Senior Vice President, JWIL Infra Ltd.), Er. Harshil K Trivedi, (BD Head, Chevrox Construction Pvt. Ltd.), Prof. (Dr.) A.K. Dwivedi (RTU Event Coordinator), Mrs. Pooja Jain (Dy Head, Civil Engg.), Er. Anirudh Mathur, Dr. Lalit Kumar Gupta, Mr. Kishan Lal Jain, Mr. Ankur Mishra and others. In first session, Er. Rakesh Srivastava delivered his talk on 'Dispute Handling in Infrastructure Industry.' He also discussed the importance of PPP Model and briefed about the Arbitration Act in industry. During the second session Er. Harshil K Trivedi explained the stepwise procedure involved in an infrastructure project.

Mr. Ankur Mishra presented vote of thanks to the guest speakers. Mr. Aswin Prem (Pinnacle Infotech Solutions), Mr. Rakesh Bharti (Tata Projects Ltd.), Dr. Gaurav Sancheti (Manipal University), Mr. Rohit Yadav (Texel Consulting Engineer's), Mr. Pradeep Garg (CPWD) also delivered lectures in the FDP. The FDP was coordinated by Mr. Anirudh Mathur, Dr. Lalit Kumar Gupta, Mr. Kishan Lal Jain. Online Platform was handled by: Ankur Mishra.

ALUMNI MEET "THE DREAMERS AND THE DOERS"

The Department of Civil Engineering at SKIT, organized an alumni meet on 7 March, 2021 on Google Meet platform. Three students Nikita Choudhary (IES, 2017 Batch), Priyanka Meena (IES, 2019 Batch) and Sulekha Jagarwar (IFS, 2020 Batch) were invited to share their experiences with the students. Students asked their queries related to preparation of government exams from the alumni.



SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY MANAGEMENT & GRAMOTHAN

"The Dreamers and The Doers"

ONLINE ALUMNI MEET

7 MARCH 2021 | TIME: 11AM-12:30PM

under the aegis of
Department of Civil Engineering and Alumni & E-cell SKIT

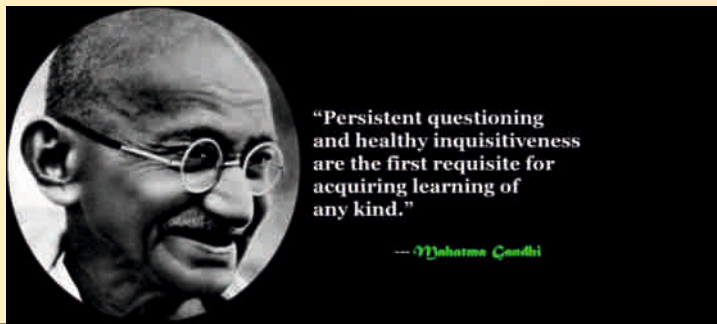
NIKITA CHOUDHARY
IES, 2017 Batch

PRIYANKA MEENA
IES, 2019 Batch

SULEKHA JAGARWAR
IFS, 2020 Batch

WEBINAR ON "ENERGY CONSERVATION & USE OF RENEWABLE ENERGY FOR SUSTAINABLE DEVELOPMENT" BY MR. K.K MAHAJAN UNDER INDUSTRY INSTITUTE INTERFACE

A webinar on "Energy Conservation & Use of Renewable Energy for Sustainable Development" under Industry Institute Interface was conducted by PCRA (A Dept. under Ministry of Petroleum & Natural Gas, G.O.I, New Delhi) on 20/03/2021. Important keynotes of the lecture were delivered by Mr. K.K. Mahajan, (Chartered Engineer; Lead Auditor ISO 9001:2015. (QMS); Energy Auditor, Ex Senior Executive of Tata Chemicals Ltd, Gujarat, DCW Limited, Gujarat and SIEL Chemical Complex, Rajpura (Pb.) and Delhi), who highlighted the motives of the session that included: -The need of emergence of PCRA (Petroleum Conservation Research Association); Scenario of India's power sector at the moment; Sources of renewable energy; why there is a need of conservation & to work on increasing the efficiency of the systems; effect of Green House gases; Global Warming and Climate Change; impacts of climate change and Global Warming.



PATENTS PUBLISHED

TITLE OF THE INVENTION	: Durability Response of High performance Concrete with Metakaolin and Rice Husk Ash
APPLICATION NO.	: 202041026847 A
PUBLICATION DATE	: 10 July 2020
PUBLISHED IN	: The Patent Office Journal No. 28/2020 (by Intellectual Property India: Controller General of Patents, Designs and Trademarks Department of Industrial Policy and Promotion Ministry of Commerce and Industry).
PUBLISHED BY	: Akash Johari
TITLE	: Utilization of Burr Wastes as Micro Reinforcements in Concrete to Overcome Disposal of Hazardous Materials in Global Environment
NAME	: Akash Johari
PATENT DATE	: Patent filed on 17 February, 2021 (Application No. 202141006550A)
PUBLICATION DATE	: 26 February 2021
PUBLISHED IN	: The Patent Office Journal No. 09/2021 (by Intellectual Property India: Controller General of Patents, Design and Trademarks Department of Industrial Policy and Promotion Ministry of Commerce and Industry).

NPTEL / COURSERA COURSES COMPLETED

COURSE/TOPIC	: Initiating and Planning Projects
AUTHORIZED BY	: University of California, Irvine
DURATION & CATEGORY	: (4 week Coursera) 2 October, 2020
COMPLETED BY	: Akash Johari
COURSE/ TOPIC	: Design of Reinforced Concrete Structures
COMPLETED BY	: Deepak Sharma
DURATION & CATEGORY	: NPTEL, (12 week)

COURSE/ TOPIC : Design of Reinforced Concrete Structures

COMPLETED BY : Lalit Kumar Gupta

DURATION & CATEGORY : NPTEL, (12 week)

COURSE/ TOPIC : Development and Applications of Special Concret

COMPLETED BY : Jetender Babulal Jangid

DURATION & CATEGORY : NPTEL, (8 week)

COURSE/ TOPIC : Development and Applications of Special Concrete

COMPLETED BY : Kishan Lal Jain

DURATION & CATEGORY : NPTEL, (8 week)

DATE : 4 to 6 August 2020

ORGANIZED BY : SKIT, Jaipur.

TITLE : Strategic Civil Infrastructure (ATAL FDP)

ATTENDED BY : Ankur Mishra

DATE : 23 to 27 November 2020

ORGANIZED BY : Dr. S.&S.S. Gandhi Government Engineering College, Surat

TITLE : Recent Trends and Opportunities in Science and Technology

ATTENDED BY : Nishant Sachdeva, Jetender Babulal Jangid

DATE : 27 to 31 July 2020

ORGANIZED BY : Amity University, Patna

TITLE : Opportunities and Challenges of evehicles in India

ATTENDED BY : Nishant Sachdeva

DATE : 2 to 4 September 2020

ORGANIZED BY : SKIT, Jaipur

TITLE : Student Centered Teaching Methods and Strategies in Higher Education

ATTENDED BY : Nishant Sachdeva

DATE : 10 to 14 August 2020

ORGANIZED BY : SKIT, Jaipur

TITLE : Manufacturing and Recyclization of Engineering Materials-Cement, Glass and Ceramics (Self Reliant India)

ATTENDED BY : Nishant Sachdeva, Jetender Babulal Jangid, Akash Johari

DATE : 10 to 14 August 2020

ORGANIZED BY : SKIT, Jaipur

TITLE : Computational Intelligence in Earthquake Resistant Design

ATTENDED BY : Jetender Babulal Jangid

DATE : 03 to 08 August 2020

ORGANIZED BY : Prof. Ram Meghe College of Engineering and Technology

TITLE : Author's Conclave

ATTENDED BY : Jetender Babulal Jangid

DATE : 12 August 2020

ORGANIZED BY : SRM Institute of Science and Technology

TITLE : Solar Thermal Engineering for Sustainable Future

ATTENDED BY : Jetender Babulal Jangid

CERTIFICATE OF EXCELLENCE IN REVIEWING AWARDED

Certificate of Excellence in Reviewing was awarded to Akash Johari, in recognition of his outstanding contribution to the quality of the journal.

JOURNAL NAME : Asian Journal of Advanced Research and Reports, 2020

CERTIFICATE NO : SDI/HQ/PR/Cert/59015/AKA

PAPERS PRESENTED

TITLE : Use of Crushed Waste Glass (CWG) for Partial Replacement of Fine Aggregate in Concrete Production: A review

DATE : August 20 to 21, 2020

ORGANIZED BY : Amity University UP, Noida.

PRESENTED BY : Akash Johari

FDPs ATTENDEND

TITLE : Recent Trends in Material Science and Engineering

ATTENDED BY : Ankur Mishra

DATE : 20-21 August 2020

ORGANIZED BY : SKIT, Jaipur.

TITLE : Aatmanirbhar Bharat: Encouraging Enterprise in Rural Communities and Remote Region

ATTENDED BY : Ankur Mishra, Saurabh Singh, Manmohan Sharma

DATE : 24 to 28 August 2020
ORGANIZED BY : SKIT, Jaipur

DURATION & CATEGORY : Jan – Dec 2020 NPTEL
ORGANIZED BY : IIT Madras

TITLE : Accreditation-A Tool for Continuous Improvement
ATTENDED BY : Pooja Jain, Jetender Babulal Jangid
DATE : 27 to 29 August 2020
ORGANIZED BY : JIET, Jodhpur

COURSE / TOPIC : Hydraulics Engineering
MENTOR : Nikhil Kumar Sharma
DURATION & CATEGORY : Jan – Dec 2020 NPTEL
ORGANIZED BY : IIT Madras

TITLE : Structural Health Monitoring
ATTENDED BY : Jetender Babulal Jangid
DATE : 26 to 30 August 2020
ORGANIZED BY : RTU Kota

COURSE / TOPIC : Introduction to Multimodal Urban Transportation Systems
MENTOR : Anirudh Mathur
DURATION & CATEGORY : Jan – Dec 2020 NPTEL
ORGANIZED BY : IIT Madras

TITLE : 3D Printing and Design
ATTENDED BY : Dr. Lalit Kumar Gupta
DATE : 9 to 13 November 2020
ORGANIZED BY : IIT, Dharwad

COURSE / TOPIC : Design of Reinforced Concrete Structures
MENTOR : Lalit Kumar Gupta
DURATION & CATEGORY : Jan – Dec 2020 NPTEL
ORGANIZED BY : IIT Madras

TITLE : Advanced Trends, Techniques and Practice in Civil Engineering
DATE : 6-7 July, 2020
ATTENDED BY : Saurabh Singh
ORGANIZED BY : Guru Jambheshwar University of Science and Technology, Bissar

COURSE / TOPIC : Soil Mechanics/Geotechnical Engineering I
MENTOR : Deepak Haritwal
DURATION & CATEGORY : Jan – Dec 2020 NPTEL
ORGANIZED BY : IIT Madras

TITLE : Green Technology and Sustainable Engineering
ATTENDED BY : Saurabh Singh
DATE : 19 to 23 October 2020
ORGANIZED BY : NIT, Jalandhar

WORKSHOPS ATTENDED

TITLE : Modern Construction Techniques and Management
DATE : 2 to 5 March 2021
VENUE/
ORGANISED BY : Aravali Institute of Technical Studies, Udaipur.
ATTENDED BY : Abhishek Jain, Lalit Kumar Gupta

TITLE : Best Practices for Integrity in Research
DATE : 17 to 21 November 2020
ORGANIZED BY : MNIT, Jaipur
ATTENDED BY : Nishant Sachdeva

TITLE : Practical Aspects and Research Opportunities in Concrete Structures
DATE : 10 to 11 August 2020
ORGANIZED BY : Vignana Bharthi Institute of Technology
ATTENDED BY : Nishant Sachdeva

MENTORS IN NPTEL

COURSE / TOPIC : Geotechnical Engineering Laboratory
MENTOR : Nishant Sachdeva
DURATION & CATEGORY : Jan – Dec 2020 NPTEL
ORGANIZED BY : IIT Madras

TITLE : NAAC: Seven Assessment Criteria for Accreditation
DATE : 02 to 08 August, 2020
ORGANIZED BY : Govt. Post Graduate College, Bilaspur
ATTENDED BY : Anirudh Mathur, Kishan Lal Jain

COURSE / TOPIC : Fluid Mechanics
MENTOR : Nikhil Kumar Sharma

TITLE : Advanced Techniques for Materials Characterization
DATE : 06 to 10 July, 2020

ORGANIZED BY : MNIT, Jaipur
 ATTENDED BY : Pooja Jain

TITLE : Modelling and Simulation Tools
 DATE : 20 to 24 October, 2020
 ORGANIZED BY : MNIT and DHIO research and Engineering Pvt. Ltd., Jaipur
 ATTENDED BY : Pooja Jain

TITLE : Advanced Trends, Techniques and Practices in Civil Engineering
 DATE : September 07 to 12, 2020
 ORGANIZED BY : HET, Government of Territory of Jammu & Kashmir.
 ATTENDED BY : Akash Johari

TITLE : Introduction to IS 800-2007
 ATTENDED BY : Lalit Kumar Gupta
 DATE : 31 August to 4 November 2020
 ORGANIZED BY : NITTTR, Kolkata

TITLE : Philosophy of Ductility RCC Design as per IS 13920-2016
 ATTENDED BY : Lalit Kumar Gupta
 DATE : 24 to 28 August 2020
 ORGANIZED BY : NITTTR, Kolkata

TITLE : Teaching Skill Development
 ATTENDED BY : Lalit Kumar Gupta
 DATE : 5 to 9 October 2020
 ORGANIZED BY : NITTTR, Kolkata

STTPs ATTENDED

TITLE : Application of Software for Analysis and Design Using IS 456:2000 and IS 13920

ATTENDED BY : Lalit Kumar Gupta
 DATE : 14 to 18 September 2020
 ORGANIZED BY : NITTTR, Kolkata

TITLE : Assessment and Evaluation of Students Performance

ATTENDED BY : Lalit Kumar Gupta
 DATE : 21 to 25 September 2020
 ORGANIZED BY : NITTTR, Kolkata

TITLE : Design of Earthquake Resistant RCC Buildings using Fundamental Principles of Limit State Method and Beyond

ATTENDED BY : Lalit Kumar Gupta
 DATE : 28 September to 02 October 2020
 ORGANIZED BY : NITTTR, Kolkata

TITLE : Introduction to IS 1893-2016

ATTENDED BY : Lalit Kumar Gupta
 DATE : 17 to 21 August 2020
 ORGANIZED BY : NITTTR, Kolkata

TITLE : NBA Accreditation
 ATTENDED BY : Lalit Kumar Gupta
 DATE : 12 to 16 October 2020
 ORGANIZED BY : NITTTR, Kolkata

TITLE : Writing Research Proposals
 ATTENDED BY : Lalit Kumar Gupta
 DATE : 3 to 7 August 2020
 ORGANIZED BY : NITTTR, Kolkata

TITLE : Leadership and Team Building in Academia

ATTENDED BY : Lalit Kumar Gupta
 DATE : 13 to 17 July 2020
 ORGANIZED BY : NITTTR, Kolkata

TITLE : Recent Developments in Concrete and Assessment of RCC Structure

ATTENDED BY : Kishan Lal Jain, Lalit Kumar Gupta
 DATE : 6 to 8 July 2020
 ORGANIZED BY : Jadavpur University, Kolkata

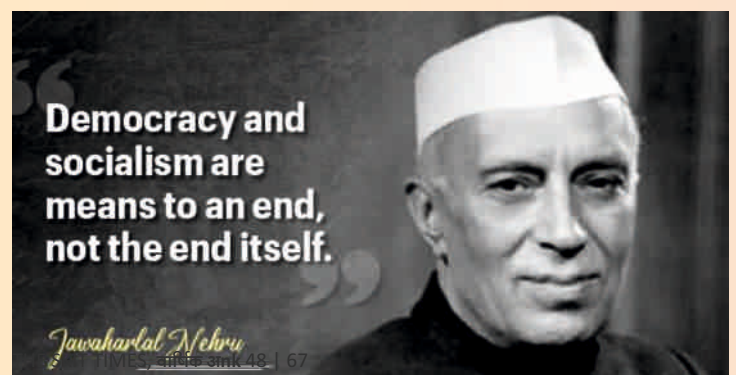
CONFERENCES ATTENDED

TITLE : International Conference on Transportation Geotechnics Towards Sustainability

ATTENDED BY : Nishant Sachdeva
 DATE : 5 to 6 March 2021
 ORGANIZED BY : Malviya National Institute of Technology, Jaipur.

TITLE : Innovations in Civil Engineering

ATTENDED BY : Kishan Lal Jain
 DATE : 18 to 19 March 2021
 ORGANIZED BY : Manipal University, Jaipur.





INTERNATIONAL E-CONFERENCE ON “CONTEMPORARY ISSUES AND CHALLENGES IN ECONOMY, TRADE, EMPLOYMENT & SOCIAL INCLUSION POST COVID-19”

NATIONAL SEMINAR ON 'INNOVATION AND STARTUPS'

Department of Management Studies organized a National Seminar on Innovation and Startups, in association with Rajasthan State Productivity Council, on 11 December 2020. Dr. Maneesha Kaushik, Convenor, presented the theme of the National Seminar. Dr Savita Choudhary, welcomed the guests and the participants. Shri Mukesh Singh, Regional Director, National Productivity Council, Government of India, threw light on the rise of startup culture and added that not only are these young companies with big dreamers, openly welcoming “skilled” individuals, but are also playing a vital role in building the economy of the country.



Photo-frame of Programme

In the second session, Shri. N.K Jain, Honorary Secretary General, RSPC, informed about several government schemes like, Startup India Initiative, ASPIRE, Mudra Bank, Multiplier Grant Scheme(MGS), New Gen Innovation & Entrepreneurship Development Centre, the Venture Capital Assistance Scheme & Credit Guarantee, etc.

In the third session Shri K.L. Jain, President, RSPC, deliberated on - 'Effect of Covid on the Economy of India: Issues & Challenges'. He suggested that policymakers should tackle short-term challenges, supporting short-term liquidity and foster the ability of start-ups to grasp new business opportunities. The seminar concluded with a vote of thanks proposed by Dr. Ona Ladiwal.

Department of Management Studies, SKIT organized an International e-Conference on “Contemporary Issues and Challenges in Economy, Trade, Employment & Social Inclusion Post Covid-19” from 26 to 27 February 2021, with an aim to provide an open forum for the researchers, academicians, practitioners, 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.

The program was graced by the Chief Guest, Shri Rajiv Mathur (President Oil and Gas Cairn India), and Guest of Honour, Mr. Atul Mathur (Executive Vice President, Aditya Birla Capital), Mr. Surajaram Meel (Chairman), Mr. Jaipal Meel (Director SKIT), Prof. S. L. Surana (Director Academics). Mr. Jaipal Meel welcomed and addressed the guests and participants. Prof. S. L. Surana (Director Academics) threw light on the achievements of SKIT. Dr. S. K. Mathur Professor, DMS, threw light on various problems caused by the epidemic. The theme of the conference was analyzed by Dr. Ona Ladiwal, (Convener).

In the first session, Dr. S. B. Goyal, Director, Department of Information Technology, City University, Malaysia, expressed his views on the difficulties arising in the operation of various sectors of any economy after the Covid-19 epidemic and highlighted the efforts being made to deal with them. In the second session, Prof. Sandeep Kautish, Dean Academics, L.A. B. E. F. Campus, Kathmandu, talked about the problems faced by employers and employees and business owners in conducting business and the presented an overview of Aatma Nirbhar Bharat (Self-Reliant India) Scheme.

In the third session Mr. Vineet Mathur, Joint Secretary Consumer Affairs, Ministry of Food and Public Distribution, Government of India, New Delhi, shed light on Indian Economic Scenario and Government and the employment opportunities available to the youth in various areas of the country after the Covid-19 epidemic. In the last session of the program, Dr. Pradeep Kautish, NIRMA University

Ahmedabad, Gujarat, expressed his views on the development of entrepreneurship and family-business management. Issues related to world economy and future projections, management role in changing perspective, business leadership and sustainable development were highlighted by Dr. Savita Chaudhary, Department of Management Studies, SKIT. The participants presented their research papers/ poster presentations. The conference was coordinated by Dr. Ravish Pandey.



Photo-frame of E-Conference

NATIONAL SEMINAR ON 'FINANCIAL LITERACY AND INVESTOR AWARENESS IN THE PANDEMIC ERA'

One day National Seminar on “Financial Literacy and Investor Awareness in the Pandemic Era” was organized by Department of Management Studies, in collaboration with Ministry of Corporate Affairs and ICAI under the aegis of Investor Education and Protection Fund (IEPF) and National Stock Exchange Authority, New Delhi (Proficient Mind Agency). on 19 December, 2020.

Dr. Savita Choudhary (Organizing Secretary) welcomed the delegates and briefed about the theme, need and objectives of the Seminar. In the first session Dr, Swati Jain, Owner e- Entrepreneurship of Waama Jewels, discussed about the new opportunities and trending employability sources amidst the pandemic and shared her experience of becoming an entrepreneur.

In the second session, CA Veer Jain (Expert Speaker appointed by Ministry of Corporate Affairs and ICAI) enlightened students about the basic concepts underlying the management of money and monetary assets, planning and implementation of financial decisions. of the National Seminar was money management and career opportunities post covid scenario. Mr. Suhas Rajput was the expert of the

third session. His money-spinning style of passing the knowledge and ideas of planning and decision in investment avenues was well received by the participants which made the students think in a logical way and to develop analytical skills to start their own investments. These sessions were followed by question-answer session and discussions. The Seminar concluded with Valedictory Session wherein the certificates were distributed to all the participants. Dr. Ravish Pandey (Convener)who proposed the vote of thanks to all the speakers and faculty members for their cooperation in successful execution of the event.

NPTEL / COURSERA- COURSES COMPLETED

COURSE/ TOPIC : Finance for Everyone: Decisions
 COMPLETED BY : Ravish Pandey
 DURATION & CATEGORY : 1 December 2020 Coursera (McMaster University 4 Week)

COURSE/ TOPIC : Micro Economics
 COMPLETED BY : Ravish Pandey
 DURATION & CATEGORY : 1 December 2020 Coursera (McMaster University 4 Week)

COURSE/ TOPIC : Social Business Model & Planning for Social Innovation
 COMPLETED BY : Maneesha Kaushik
 DURATION & CATEGORY : 30 October 2020 (Coursera, Copen Hagen Business School 4 Week)

COURSE/ TOPIC : Identifying Social Entrepreneurship Opportunities
 COMPLETED BY : Maneesha Kaushik
 DURATION & CATEGORY : 20 October 2020 (Coursera, Copen Hagen Business School 4 Week)

COURSE/ TOPIC : Unleashing the Impact of Your Social Enterprise
 COMPLETED BY : Maneesha Kaushik
 DURATION & CATEGORY : 13 November 2020 (Coursera, Copen Hagen Business School 4 Week)

FDPs ATTENDED

TITLE : Leadership & Excellence
 DATE : 7 to 11 September 2020
 VENUE / ORGANIZED BY : AICTE Training and Learning (ATAL) & PDPM Indian Institute of Information

Technology, Design & Manufacturing, Jabalpur.
 ATTENDED BY : Savita Choudhary

TITLE : Case Writing & Case Teaching
 DATE : 7 to 8 August 2020
 VENUE/
 ORGANIZED BY : All India Management Schools & GlobSyn Business School
 ATTENDED BY : Savita Choudhary

TITLE : Accreditation-A tool for Continuous Improvement
 DATE : 27 to 29 August 2020
 ORGANIZED BY : Rajasthan Technical University, Kota and Jodhpur Institute of Engineering and Technology, Jodhpur
 ATTENDED BY : Savita Choudhary, Atul Gupta, Priyanka Payal

TITLE : Student Centered Teaching Methods & Strategies in Higher Education
 DATE : 10 to 14 August 2020
 VENUE/
 ORGANIZED BY : Rajasthan Technical University, Kota and SKIT, Jaipur
 ATTENDED BY : Savita Choudhary

TITLE : Social Enterprise Management”
 DATE : 19 to 23 October 2020
 VENUE/
 ORGANIZED BY : AICTE Training and Learning (ATAL) & IIM, Nagpur.
 ATTENDED BY : Savita Choudhary

TITLE : Workshop on Universal Human Values
 ATTENDED BY : Ravish Pandey, Atul Gupta
 ORGANIZED BY : AICTE
 DATE : 12 to 16 October 2020

TITLE : Personal Effectiveness
 ATTENDED BY : Ravish Pandey, Atul Gupta
 ORGANIZED BY : AICTE Training and Learning (ATAL) & IIT, Bhubaneswar
 DATE : 2 to 6 November 2020

TITLE : ROAD-Response Effectiveness, Organizing Self, Attitudinal Shift, Decision Making
 ATTENDED BY : Ravish Pandey, Atul Gupta
 ORGANIZED BY : AICTE Training and Learning (ATAL) & Manipal University, Jaipur
 DATE : 23 to 27 November 2020

TITLE : Effective and Efficient Online Teaching and Content Development
 DATE : 8 to 9 July 2020
 VENUE/
 ORGANIZED BY : Institute of Industrial and Computer Management and Research, New Delhi
 ATTENDED BY : Priyanka Payal

TITLE : Self –Reliant India Missio (Aatma nirbhar Bharat Abhiyan)
 DATE : 20 to 24 July 2020
 VENUE/
 ORGANIZED BY : Sree Ayyappa College for Women, Tamil Nadu
 ATTENDED BY : Priyanka Payal

TITLE : Entrepreneurship and Start-up Opportunities through Tourism & Hospitality Business
 DATE : 14 to 18 September 2020
 VENUE/
 ORGANIZED BY : AICTE Training and Learning (ATAL)
 ATTENDED BY : Priyanka Payal

TITLE : Emotional Intelligence
 DATE : 19 to 23 October 2020
 VENUE/
 ORGANIZED BY : Department of HSS and ECE, NIT Hamirpur H.P.
 ATTENDED BY : Ona Ladiwal

TITLE : Emerging Aspects of Research Methodology
 DATE : 1 to 7 February, 2021
 VENUE : S. S. Jain Subodh P.G. (Autonomous) College, Jaipur Rajasthan.
 ATTENDED BY : Ravish Pandey, Maneesha Kaushik

PAPERS PRESENTED IN CONFERENCES/ SEMINARS

TITLE : Impact of Technology on Teaching-Learning in Higher Education
 AUTHOR : Priyanka Bhaskar and Savita Choudhary
 CONFERENCE : 8th International Conference in the Series of Youth 2025 Envisioning Business for a Better Tomorrow: Innovate, Integrate, Impact
 ORGANIZED BY : Jaipuria Institute of Management Jaipur, India 18 to 20 February 2021

TITLE : The Impact of Pandemic Covid-19 on Indian Education Sector: Boon or Bane

AUTHOR : Priyanka Bhaskar

CONFERENCE : 41st Annual Conference: India Roadmap to 5 Trillion Economy

ORGANIZED BY : Vivekananda Global University in collaboration with Rajasthan Economic Association, 9 to 10 April 2021

TITLE : A Study of the Level of Organizational Role Stress in Education Institutions

AUTHOR : Savita Choudhary

CONFERENCE : 8th International Conference in the Series of Youth 2025 Envisioning Business for a Better Tomorrow: Innovate, Integrate, Impact

ORGANIZED BY : Jaipuria Institute of Management Jaipur, India 18 to 20 February 2021

WORKSHOP ATTENDED

TITLE : Rural Entrepreneurship and Rural Engagement

DATE : November 13 2020

ATTENDED BY : Savita Choudhary, Priyanka Payal

ORGANIZED BY : Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India

STTPs ATTENDED

TITLE : Entrepreneurship Development

DATE : 17 to 24 August 2020

ATTENDED BY : Priyanka Payal

ORGANIZED BY : GRG School of Management Studies and PSGR Krishnammal College for Women, Coimbatore AICTE sponsored Online One Week STTP on

TITLE : Character Building through Moral Values and Ethics

DATE : 22 to 27 March, 2021

VENUE : S. S. Jain Subodh P.G. College, Jaipur Rajasthan. (AICTE Sponsored)

ATTENDED BY : Ravish Pandey

INDUCTION PROGRAM ATTENDED

TITLE : 4-Week Induction / Orientation Programme for "Faculty in Universities / Colleges / Institutes of Higher Education"

DATE : 10 November to 9 December 2020

ATTENDED BY : Savita Choudhary

ORGANIZED BY : Teaching Learning Centre, Ramanujan College, University of Delhi.

BOOK CHAPTERS PUBLISHED

TITLE OF CHAPTER : Social Advertising: Effectiveness and Success

TITLE OF BOOK : Sustainable Development of Technology and Management

AUTHOR : Atul Gupta

PUBLISHER : RFI Publications, 2020 ISBN No. 978-93-89522-47-1

TITLE OF CHAPTER : A Study of Modern Agriculture: An Entrepreneurial Opportunity in India

TITLE OF BOOK : Combating Industrial Challenges During Covid-19

AUTHOR : Atul Gupta

PUBLISHER : RFI Publications, 2020 ISBN No. 978-93-89522-70-9

Ph.D. AWARDED

THESIS TITLE : A Study of Economic and Social Viability of Rural Tourism in Rajasthan

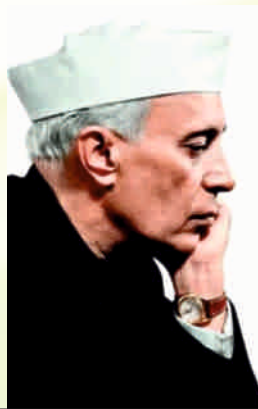
Ph.D. AWARDED TO : Priyanka Bhaskar

GUIDED BY : Dr. Rajeev Kumar Saxena

UNIVERSITY : University of Rajasthan

YEAR : 21 October 2020

PUBLISHER : RFI Publications, 2020 ISBN No. 978-93-89522-70-9



YOU DON'T CHANGE THE COURSE OF HISTORY BY TURNING THE FACES OF PORTRAITS TO THE WALL

DEPARTMENT OF

BASIC SCIENCES AND HUMANITIES



DEPARTMENT OF ENGLISH

FDP ON 'STUDENT-CENTRED TEACHING METHODS & STRATEGIES'

With the objectives of enabling the faculty members of higher education to learn new pedagogic techniques while empowering them with innovative teaching competencies, skills and attitudes and providing the participants with experiential learning by integrating various teaching tools in teaching through group activities and interactions, a five day online Faculty Development Programme on “Student-centred Teaching Methods and Strategies in Higher Education” was jointly organized by the Department of English, SKIT and RTU, Kota under RTU TEQIP III plan.

Day 1: The five-day FDP was inaugurated by the Director SKIT, Mr. Jaipal Meel who focused on quality education to achieve academic excellence. The programme was graced by the Vice-Chancellor RTU, Professor R.A Gupta, as Chief Guest, who spoke about the role of teachers for the new normal. The other dignitaries who graced the ceremony were Professor S.L Surana, Director Academics SKIT, Professor Ramesh Kumar Pachar Principal SKIT, Professor Dharendra Mathur, TEQIP Coordinator, Professor A.K Dwivedi, Professor M.L Meena. The inaugural session began with an expert lecture by Prof. Sanil Viswanathan, Dept. of Humanities, IIT, Delhi, who spoke about strategies to empower the faculty members, with innovative teaching, competencies, skills and attitudes, followed by a session on psychological needs of the students in context of pandemic issues and challenges in higher education with specific reference to youth by Dr. Prerna Puri, Associate Professor, Dept. of Psychology, University of Rajasthan.

Day 2 commenced with the session of Dr. Preeti Bhatt, Associate Professor, Dept. of Humanities & Social Sciences, MNIT, Jaipur, who threw light on the classroom strategies and teaching pedagogies for student learning in higher education followed by the second session of Prof. G.S. Dangayach, Prof. ME Dept. MNIT, Jaipur, highlighting the various teaching tools for effective teaching. Day 3 began with Dr. Narendra Kumar's, (Assoc. Prof. Dept. of

Humanities, LNMIIT, Jaipur) experience-based lecture on the current methods of teaching & dealing with the online & automated system of evaluation. Dr. Sheetal Setia, Assistant Professor, University of Mumbai, in the second session unleashed the critical review of the latest policies adopted

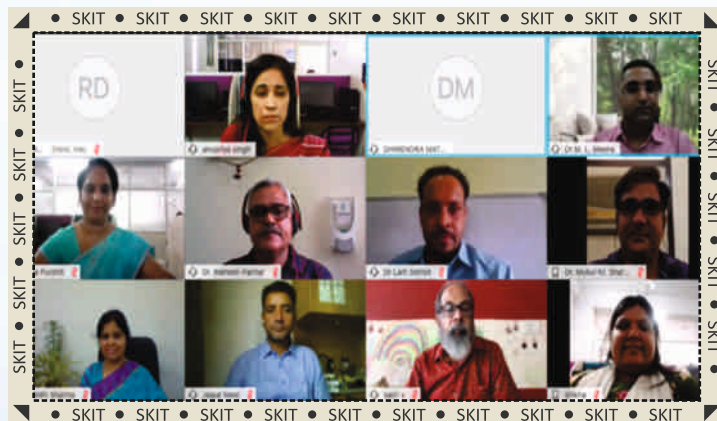


Photo-frame of the Programme

by the government and its implementation in higher learning. Day 4 kicked off by an interesting lecture by Dr. Shipra Malik, Assistant Professor, Dept. of English, University of Al Baha KSA, Saudi Arabia, where she unraveled latest online strategies like flip & blended learning for effective teaching, she also highlighted the recurrent usage of animation in language and literature teaching for effective reception by the students. The last session on the day 5 began with a lecture by Prof. Anita Singh, Professor, Dept. of English, Banaras Hindu University. She recommended that teachers in higher education should attend FDP training activities on regular basis and that their scope should extend beyond the particular discipline to include social skills necessary for collaboration, professional growth as well as management, and leadership abilities. The present FDP has also enabled the participants to understand and practice “Outcome Based Teaching” and “Learner-centric Teaching Strategies” to develop appropriate tools of assessment and imbibe the proficiencies and qualities of good teacher. The FDP was coordinated by Dr. Nidhi Sharma, Dr. Neha Purohit and Dr. Anupriya Singh.

WORKSHOP ON 'EFFECTIVE COMMUNICATION AND PRESENTATION SKILLS'

Department of English, SKIT organized its five day workshop on 'Effective Communication and Presentation Skills' in collaboration with RTU, Kota under the funding programme of TEQIP-III, from 21 September to 25 September 2020. The inaugural ceremony was hosted by Dr. Shikha Agarwal, Workshop Coordinator, SKIT. Dr. Irum Alvi, RTU Coordinator

briefed about TEQIP-III. Expert speaker Prof. Malati Mathur, Director, IGNOU, New Delhi, focused on the importance of Listening and Speaking in communication to get the desired outcome. In the second session Prof. Meenakshi Raman, Former Professor and Head, HSS at BITS Pilani, Goa Campus, threw light on the Barriers in communication and ways to overcome them in Inter personal communications and Interviews. Day 2 commenced with a session by Ms. Nitika Gulati who threw light on the presentation strategies and learning pedagogies for student learning in higher education followed by a session on various listening tools that the speakers have to be equipped with for effective empathic listening skills by Mr. Toseefur Rehman from California.

Day 3 began with Dr. Ajay Choubey's experience-based lecture on Current Methods of Presentation Skills for Upgraded Markets followed by a session by Dr. Sanjay Arora Professor, Central University, Kishangarh, Ajmer, who unleashed the primary pre-requisites of oral communication skills through an array of relevant examples. Day 4 kicked off by an interesting lecture by Dr. Preeti Bhatt, Assoc. Prof. MNIT Jaipur, where she unraveled latest online strategies to be incorporated by the learners for effective reading skills. Dr. Preeti Navaneeth from NIT, Calicut talked about the various intricacies of being a good communicator in the second session. Day 5 of the Workshop series began with Prof. Meenakshi Raman's interactive session wherein she made the participants aware of the correct manner of writing English to avoid common errors usually made while writing English. Valedictory report was read by Dr. Nidhi Sharma, Workshop Coordinator.

AWARD FOR SERVICE EXCELLENCE IN SERVICE BY DISTRICT 41, TOASTMASTERS INTERNATIONAL.

Dr. Neha Purohit, Head, English Department, completed her tenure as an Area Director of Toastmasters International for Rajasthan in July for Area C2. She looked after four clubs-including two institutional clubs, one corporate club and one community club. Dr. Neha emerged as the most successful Area Director of Rajasthan and was the only one in Rajasthan to have received Select Distinguished Area Award. She has also been awarded with Excellence in Service by District 41, Toastmasters International for the year 2019-2020.

PAPERS PRESENTED IN CONFERENCES/ SEMINARS

TITLE : 'Text-led' Criticism to Remove Eurocentric and And rocentric Psychology : It's Time to Merge the

'Text-led' and 'Idea-led' Criticism
 AUTHOR : Lalit Gehlot
 CONFERENCE : 6th JGU International Literary Conference (Online) on "Theory Literature Interface"
 ORGANISED BY : The English Literary Society, O.P. Jindal Global University from 24 to 26 July 2020.

TITLE : Tagore and The Notion of Nationalism in Post-Independence India: Reshaping The Nation State

AUTHOR/S : Nidhi Sharma
 WEBINAR : International Webinar on Film and Literature Paper Presentation
 ORGANISED BY : Mumbai University, 27 to 29 August 2020.

TITLE : J.M. Coetzee's Place in Post Colonial Literatur

AUTHOR/S : Sheeba Anjum
 CONFERENCE : International Conference on 'Colonial to Postcolonial: A Trajectory of Literatures from Indian Subcontinent, Organized by: Dayal Singh College, Karnal, 18-20 April, 2021

TITLE : Migrant Voices in J.M. Coetzee's Fiction

AUTHOR/S : Sheeba Anjum
 CONFERENCE : Young Researchers' International Conference on Global Dynamics and Emerging Trends: India and Trends, Organized by GGSIPU and JNU, Delhi, 4 5 March, 2021

NPTEL / COURSERA COURSES COMPLETED

COURSE/ TOPIC : Leadership and Emotional Intelligence
 COMPLETED BY : Krishna Dayal Sharma
 DURATION & CATEGORY : Coursera 4 week 28 October, 2020 Indian School of Business,

COURSE/ TOPIC : Finding Purpose and Meaning In Life: Living for What Matters Most
 COMPLETED BY : Krishna Dayal Sharma
 DURATION & CATEGORY : Coursera 4 week 27 September, 2020 University of Michigan

FDPs ATTENDED

TITLE : Student-Centered Teaching Methods and Strategies in Higher Education
 ORGANISED BY : English Dept, SKIT Jaipur and RTU Kota

ATTENDED BY : Krishna Dayal Sharma, Lalit Gehlot,
Geetika Patni, Sheeba Anjum
DATE : 10 to 14 August 2020
TITLE : Teaching English for Employability and
skill Enhancement
DATE : 17 August-21 August, 2020
ORGANIZED BY : MNIT, Jaipur.
ATTENDED BY : Nidhi Sharma
TITLE : The Challenges in Strengthening Clean
Technology Entrepreneurship'.
DATE : 25 January to 5 February, 2021
ATTENDED BY : Sheeba Anjum
ORGANIZED BY : Dept. of Chemical Engineering, MNIT, Jaipur

STTPs ATTENDED

TITLE : Contemporary Critical Theories"
DATE : 25 August to 7 September 2020
ORGANISED BY : Daath Voyage: An International
Journal of Interdisciplinary Studies in
English (Peer Reviewed Open Access
e-journal, ISSN 2455-7544)
ATTENDED BY : Anupriya Singh
TITLE : Capacity Building Program
DATE : 22-26 January, 2021
ATTENDED BY : Nidhi Sharma, Krishna Dayal Sharma
ORGANIZED BY : MNIT, Jaipur

WORKSHOPS ATTENDED

TITLE : Effective Communication and
Presentation Skills
DATE : 21 to 25 September 2020
ATTENDED BY : Krishna Dayal Sharma, Lalit Gehlot,
Anupriya Singh, Geetika Patni,
Sheeba Anjum
ORGANIZED BY : Department of English, SKIT and RTU
Kota
TITLE : Inculcating Universal Human Values
in Technical Education
DATE : 26 to 30 October 2020
ATTENDED BY : Lalit Gehlot
ORGANISED BY : All India Council for Technical Education

WEBINARS ATTENDED

TITLE : Multiple Techniques to Learn English
as a Second Language
DATE : 9 August 2020

ORGANISED BY : ELTAI
ATTENDED BY : Sheeba Anjum
TITLE : The Art and Craft of the Short Story
DATE : 26 July 2020
ORGANISED BY : ELTAI
ATTENDED BY : Sheeba Anjum
TITLE : Effective Communication Skills
DATE : 11 July 2020
ORGANISED BY : RTU. Kota
ATTENDED BY : Nidhi Sharma
TITLE : ROAD- Response Effectiveness,
Organizing Self, Attitudinal Shift,
Decision Making
DATE : 7 to 11 September 2020
ORGANISED BY : Indira Gandhi Delhi Technical
University for Women. AICTE (ATAL)
Academy
ATTENDED BY : Anupriya Singh
TITLE : Basics of Bhagwad Geeta
DATE : 25 December 2020
ATTENDED BY : Krishna Sharma
ORGANIZED BY : Club of Knowledge, SKIT.

Ph. D COMPLETED

THESIS TITLE : Hybrid Voices and Visions: Perceptions
of Objective Social Reality and Ethics
in the Short stories of Doris Lessing,
Alice Munro and Jhumpa Lahiri.
PHD AWARDED TO : Geetika Patni
GUIDED BY : Dr. Ajay Sharma & Dr Keshav Nath,
UNIVERSITY : JECRC University Jaipur
YEAR : 2020

SPECIAL GUEST SPEAKER IN TALK SHOW

TOPIC : Women Empowerment
SPEAKER : Nidhi Sharma
DATE : 13 February, 2021
ORGANIZED BY : Police Commissionerate, Jaipur

EXPERT TALK DELIVERED IN LECTURE SERIES

TITLE : "Employing Ethnography in
Language Education" Lecture Series
on "Qualitative Research, Applied
Linguistics, and English and
Contemporary South Asian Society"
DELIVERED BY : Anupriya Singh

DATE : 21 December 2020 to 9 January, 2021.
ORGANIZED BY : Kathmandu University School of Education, Nepal

CONFERENCE ATTENDED

TITLE : The Harvard-US India Initiative, 2021 India Conference
ATTENDED BY : Nidhi Sharma
ORGANISED BY : Harvard India
DATE : 19-21 February, 2021

CRASH COURSE COMPLETED

TITLE : Parivartan Workshop: A Crash Course on Bhagwad-Geeta (online)
DATE : 26 April 2021 to 13 May, 2021
ATTENDED BY : Krishna Sharma
ORGANIZED BY : Youth Empowerment Club of Hare Krishna Movement.

DEPARTMENT OF CHEMISTRY

FDP ON 'MANUFACTURING AND RECYCLIZATION OF ENGINEERING MATERIALS-CEMENT, GLASS AND CERAMICS'

A five-day Faculty Development Programme on 'Manufacturing and Recyclization of Engineering Materials-Cement, Glass and Ceramics (Self-reliant India) (MRCGC2020)' was jointly organized by the Department of Chemistry, SKIT and RTU Kota (TEQIP-III Sponsored) from 10 to 14 August 2020. Prof. Pradeep Kumar, Department of Mechanical & Industrial Engineering, IIT, Roorkee, was the Chief Guest of the programme. Eminent personalities from various IITs, NITs, and technical institutes and industries delivered expert talks.

Participants from various universities and Institutes from multi discipline - Chemistry, Physics, Maths, Civil Engineering, Mechanical Engineering etc. actively participated in the workshop. Dr. Sharda Soni was the Chief Coordinator of the event and Prof. Sangeeta Vyas moderated the sessions. Dr. Poonam Ojha and Dr. Swati Joshi were the Technical Coordinators of the FDP.

FDP ON 'ATMNI RBHAR BHARAT: ENCOURAGING ENTERPRISE IN RURAL COMMUNITIES AND REMOTE REGIONS'

A TEQIP-II Sponsored three-day FDP on 'Atmnirbhar Bharat: Encouraging Enterprise in Rural Communities and Remote Regions' was organized by Entrepreneurship Cell "TOPAZ" SKIT Jaipur & RTU Kota from 4 to 6 Aug 2020. Prof. S.L. Surana, Director Academics, SKIT welcomed all the eminent guests, expert speakers and participants of the event. Prof. Archana Saxena, Chief coordinator, explained that the objective of the programme was to prepare & motivate the faculty mentors to guide and motivate the students. Chief Guest, Prof. R A Gupta, VC, RTU Kota emphasized on the need to strengthen the rural enterprises to make India Atamnirbhar.



Photo-frame of FDP

Prof. Ramesh Kumar Pachar, Principal, SKIT, Prof. S. N. Vijayavergiya, Dean R&D SKIT, Prof. Sangeeta Vyas, Dr. Sharda Soni, Dr. Vinita Sharma, Dr. Anurag Sharma, Dr. Maneesha Kaushik, Prof. Rajesh Singhal, Coordinator (RTU Kota), Mr. Manmohan Sharma and Mr. Saurabh Singh were the session panelists. Nearly 250 Participants attended the sessions.

WORKSHOP ON "INCORPORATING UNIVERSAL HUMAN VALUES IN EDUCATION"

A five-day workshop on "Incorporating Universal Human Values in Education" was organized from 25 to 30 November 2020, for B. Tech. I Year Students as a part of induction programme. The speakers of the sessions included Prof. Archana Saxena, Prof. Sangeeta Vyas, Dr. Shikha Agrawal and Mr. Sumit Gill (Life Coach and Spiritual Guide). Special address was delivered by Prof. S.L. Surana, who emphasized on realizing and practicing the values in day-to-day life. The sessions on UHV dealt with the topics such as - Intention & Competence, Right

Understanding, Confidence, Importance of YOG, Competition & Cooperation, Competition & Excellence, Self & Body, Gratitude. The workshop concluded with Panel Discussion and reflections from the participants.

THE BONDING: INTRODUCTORY WELCOME SESSION ORGANIZED

An introductory cum welcome session was organized by the Department on 4th November 2020 for the students of new session. Prof. Archana Saxena enlightened the students about the significance of the subject. Dr. Sharda Soni, Head of the Department, welcomed the new students and presented an overview of the syllabus of Engineering Chemistry. Dr. Swati Joshi and Dr. Poonam Ojha coordinated the event.

SOCIAL WELFARE PROGRAM "SHARING HAPPINESS" ORGANIZED

A social welfare program was organized by the Department on 11 November 2020 for the staff of SKIT following the guidelines of COVID protocol. Counseling session was held on maintaining hygiene, importance of wearing masks, proper use of sanitizers and maintaining social distance during the ongoing pandemic crisis. At the end of the event sweets & snacks were distributed. The programme was conceptualized by Dr. Archana Saxena, Dr. Sangeeta Vyas, Dr. Vinita Sharma and Dr. Sharda Soni.

STUDENT WORKSHOP (REMEDIAL CLASSES) ON ENGINEERING CHEMISTRY ORGANIZED

Chemistry department organized a five-day workshop on Engineering Chemistry from 18 to 22 January, 2021. Prof. Sangeeta Vyas, SKIT welcomed all the eminent guests, expert speakers and participants of the event. Prof. S.L. Surana, Director Academics, SKIT emphasized the importance and relevance of Chemistry in all scientific endeavors and expected the positive and fruitful outcomes of the event. Prof. Archana Saxena, SKIT and Prof. Vivek Pandey, Dean Applied Science coordinated the event and explained the objectives and schedule of the workshop. Lectures on all the units of Engineering Chemistry such as Water, Fuels, Cement, Glass, Lubricants, Corrosion and Organic Reaction Mechanism were held during the workshop.

Dr. Shweta Vyas, Dr. Sushil Kumar Sharma Asst. Professor, Dept. of Pure and Applied Chemistry, University of Kota, Dr. Prashant Kriplani Asst. Professor, Dept. of Chemistry, Govt. Mahila Engineering College Ajmer, Dr. Meena Nemiwal, Asst. Professor, Dept. of Chemistry, MNIT, Jaipur were the invited speakers in the workshop. Prof. Dharendra Mathur, Professor, RTU, Kota was the chief guest of the inaugural ceremony. The programme ended with the vote of thanks by Dr. Sharda Soni HOD Chemistry Dept.

'STUDENTS EXCELLENCE AND LEARNING PROGRAMME' (SELP) ORGANIZED

The department organized a six-day RTU (ATU) TEQIP-III sponsored 'Students Excellence and Learning Programme' from 22 to 27 February, 2021 for the students of first year. The program was coordinated by Prof. Archana Saxena (Dept. of Chemistry), Prof. Rohit Mukherjee (In-charge I Year) and Dr. Shikha Agrawal (Dept. of English). Dr. Shikha Agrawal, welcomed all the eminent guests, expert speakers and participants of the event. Prof. R.K. Pachar, (Principal SKIT), emphasized the importance and relevance of this learning programme and expected positive and fruitful outcomes of the event. Prof. Archana Saxena, gave an overview of the objectives and schedule of the Programme. Chief Guest Prof. Dharendra Mathur, (Professor, RTU, Kota), congratulated the organizers and the team for organizing this event. Prof. R. Shringi, (Dean Students Welfare and Coordinator of this event) also threw light on the objectives of the programme. The inaugural session of the programme concluded with the vote of thanks by Prof. Rohit Mukherjee, (Coordinator and I Year In-charge). Day wise activities of the programme were as follows:

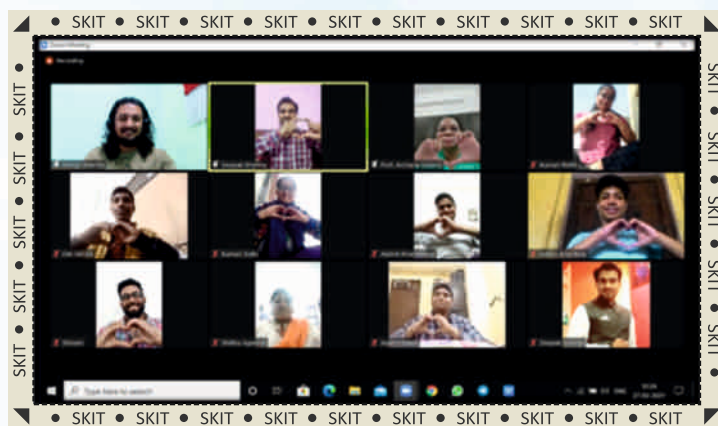


Photo-frame of the Programme

- Day 1** : Improving efficiency and productivity through sustained high energy levels (tendencies of and energy and its correlation for success).
- Day 2** : Importance of health in one's ability to study and concentration.

- Day 3** : Introduction to yoga and self-organization.
- Day 4** : Deep breathing relaxation practical de-stressing techniques for inner peace and outer dynamism.
- Day 5** : Introduction to meditation its benefits and practice
- Day 6** : Teamwork, self-confidence, communication and interpersonal skills. Report of all the 6 days sessions was presented by Prof Archana Saxena in the valedictory session. Eminent speakers summed up the various activities. Students shared their feedback, and shared small videos of feedback too. The event ended with a vote of thanks by Dr. Shikha Agarwal.

STUDENTS' WORKSHOP ON 'VOLUMETRIC ANALYSIS AND QUALITY DETERMINATION OF LUBRICANTS AND COAL' ORGANIZED

With an objective to bridge the gap between the theories of the experiments and to provide students a hand on practice, the department of Chemistry organized a Student's Workshop on Volumetric Analysis and Quality Determination of Lubricants and Coal on March 6, 2021. 104 students of B. Tech I Sem. participated in the laboratory workshop. All the faculty members of department and



technical staff remained involved in the sessions of workshop. Participants got practical knowledge of different types of titration procedures like, Redox Titration, Acid-Base Titration, Complex metric Method, Iodometric Method, External Indicator Method, and Double Indicator Method. Experimental methods and significance of the experiment were discussed. Laboratory work report writing was also explained to the students. The workshop was coordinated by Dr. Sharda Soni, Head, Department of Chemistry.

NPTEL / COURSERA COURSES COMPLETED

COURSE/ TOPIC : COVID -19, Contact Tracing II
 COMPLETED BY : Sangeeta Vyas
 DURATION & CATEGORY : 14 to 20 July 2020 (1 week, Coursera Grade- 90.14%)
 ORGANIZED BY : Johns Hopkins University

COURSE/ TOPIC : SS101x Soft Skills
 COMPLETED BY : Poonam Ojha, Swati Joshi
 DURATION & CATEGORY : IIT BombayX (15 July to 15 December 2020) - 77%
 ORGANIZED BY : Department of Environmental Science and Engineering, IIT, Bombay.

COURSE/ TOPIC : Examination Reforms Mandate
 DATE : 4 to 7 December 2020
 ATTENDED BY : Archana Saxena
 ORGANISED BY : BVB Hubli

COURSE/ TOPIC : Transforming Pedagogy in India
 DATE : 1 to 3 August 2020
 ATTENDED BY : Sangeeta Vyas
 ORGANIZED BY : NIT, Jamshedpur

COURSE/ TOPIC : Evidence based Teaching and Learning Strategies in Higher Education
 DATE : 13 to 15 July 2020
 ATTENDED BY : Vinita Sharma
 ORGANIZED BY : CREATES, IISER Bhopal, under the aegis of (PMMMNMTT) Scheme, MHRD

FDPs ATTENDED

TITLE : Inculcating Universal Human Values in Technical Education
 ATTENDED BY : Archana Saxena
 ORGANISED BY : All India Council for Technical Education
 DATE : 3 to 7 July 2020

TITLE : Universal Human Values for student Induction
 ATTENDED BY : Poonam Ojha, Swati Joshi
 ORGANISED BY : All India Council for Technical Education
 DATE : 9 to 13 July 2020

TITLE : Universal Human Values for student Induction
 ATTENDED BY : Sharda Soni, Vinita Sharma

ORGANISED BY : All India Council for Technical Education
DATE : 19 to 23 August 2020

TITLE : Recent Trends in Material Science and Engineering- 2020

ORGANISED BY : Physics Department, SKIT Jaipur and RTU, Kota

ATTENDED BY : Poonam Ojha, Swati Joshi

DATE : 20 to 21 August 2020

TITLE : Student-Centered Teaching Methods and Strategies in Higher Education

ORGANISED BY : Department of English, SKIT and RTU Kota

ATTENDED BY : Poonam Ojha, Swati Joshi

DATE : 10 to 14 August 2020

TITLE : Emerging Trends in Nano Electronics" (ETNE-2020)

ATTENDED BY : Archana Saxena

ORGANISED BY : Department of ECE SKIT and RTU Kota

DATE : 21 to 25 September 2020

TITLE : Assessment and Evaluation in Higher Education

ATTENDED BY : Vinita Sharma

ORGANISED BY : CREATES, IISER Bhopal, under the aegis of (PMMMNMTT) Scheme, MHRD

DATE : 27 to 31 July 2020

TITLE : Atmnirbhar Bharat: Encouraging Enterprise in Rural Communities

ATTENDED BY : Archana Saxena, Sangeeta Vyas, Vinita Sharma, Sharda Soni, Swati Joshi, Anurag Sharma, Poonam Ojha

ORGANIZED BY : Entrepreneurship Cell "TOPAZ" SKIT & RTU Kota

DATE : 4 to 6 August 2020

TITLE : Manufacturing and Recyclization of Engineering Materials-Cement, Glass and Ceramics (Self Reliant India)

ATTENDED BY : Archana Saxena, Sangeeta Vyas, Vinita Sharma, Sharda Soni, Swati Joshi, Anurag Sharma, Poonam Ojha

ORGANIZED BY : Chemistry Department, SKIT and RTU Kota

DATE : 4 to 6 Aug 2020

WORKSHOPS ATTENDED

TITLE : Rural Entrepreneurship Development

DATE : 25 August 2020

ATTENDED BY : Archana Saxena

ORGANISED BY : Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of HRD, and RTU

TITLE : Effective Communication and Presentation Skills

DATE : 21 to 25 September 2020

ATTENDED BY : Archana Saxena, Sangeeta Vyas

ORGANIZED BY : Department of English, SKIT and RTU Kota

TITLE : Examination Reforms Mandate

DATE : 4 to 7 December 2020

ATTENDED BY : Archana Saxena

ORGANISED BY : BVB Hubli

TITLE : Transforming Pedagogy in India

DATE : 1 to 3 August 2020

ATTENDED BY : Sangeeta Vyas

ORGANIZED BY : NIT, Jamshedpur

TITLE : Evidence based Teaching and Learning Strategies in Higher Education

DATE : 13 to 15 July 2020

ATTENDED BY : Vinita Sharma

ORGANIZED BY : CREATES, IISER Bhopal, under the aegis of (PMMMNMTT) Scheme, MHRD

TITLE : Recent Advancements in Chemical Sciences and Environment Engineering

DATE : 15 to 16 February 2021

ORGANISED BY : S.S. Jain Subodh PG (Autonomous) College Jaipur, (International FDP)

ATTENDED BY : Archana Saxena

TITLE : Traditional Indian Wisdom on Teaching and Learning.

DATE : 21 to 26 December 2020.

ORGANISED BY : Central University of Rajasthan

ATTENDED BY : Vinita Sharma

TITLE : Science and Technology of Advanced Materials

DATE : 22 to 26 February 2021.

ORGANISED BY : National Institute of Technology, Arunachal Pradesh. AICTE sponsored

ATTENDED BY : Vinita Sharma

WEBINARS ATTENDED

TITLE : Outcome Based Education and Accreditation

ATTENDED BY : Sharda Soni

ORGANISED BY : NBA and RTU Kota

DATE : 4 December 2020

TITLE : National Education Policy (NEP) 2020

ATTENDED BY : Sangeeta Vyas

ORGANISED BY : ASSOCHAM INDIA

DATE : 27 August and 21 September 2020

TITLE : Employability post COVID era

ATTENDED BY : Sangeeta Vyas

ORGANISED BY : ASSOCHAM INDIA

DATE : 11 July 2020

TITLE : India Wellness Initiative

ATTENDED BY : Sangeeta Vyas

ORGANISED BY : Indifamily Foundation (PahlaSukh)

DATE : 18 August 2020

TITLE : Atm Nirbhar Bharat: The Role of Collaborations

ATTENDED BY : Archana Saxena

ORGANISED BY : SRM University -Andhra Pradesh

DATE : 7 November 2020

TITLE : Art of Science in the Time of Virus & Beyond: The Brave New

ATTENDED BY : Archana Saxena

ORGANISED BY : SRM University -Andhra Pradesh

DATE : 5 December 2020

TITLE : Pursuit of Excellence: Institute Building

ATTENDED BY : Archana Saxena

ORGANISED BY : SRM University -Andhra Pradesh

DATE : 12 December 2020

TITLE : Nano materials for Environmental Applications: Characterization by Analytical Tools (STC)

ATTENDED BY : Vinita Sharma

ORGANISED BY : MNIT, Jaipur

DATE : 17 to 21 November 2020

TITLE : Outcome Based Education and Accreditation (Webinar)

ATTENDED BY : Swati Joshi

ORGANISED BY : NBA & Rajasthan Technical University Kota

DATE : 4 December 2020

TITLE : Impact of Covid-19 Outbreak on Education, Health and Society

ATTENDED BY : Swati Joshi, Poonam Ojha

ORGANISED BY : Department of Chemistry, School of Basic Sciences, Manipal University, Jaipur

DATE : 21 July 2020

TITLE : Novel Techniques and Advancements in Physical and Chemical Sciences (Webinar)

ATTENDED BY : Poonam Ojha, Dr. Swati Joshi

ORGANISED BY : Department of Chemistry, Samrat Prithvi Raj Chauhan Government College, Ajmer, Rajasthan

DATE : 21 July 2020

INTERNATIONAL CONFERENCE ATTENDED

TITLE : International Conference on Sustainable Energy, Environment and Green Technologies

ATTENDED BY : Archana Saxena (Contributed as Reviewer)

ORGANISED BY : PCE Jaipur

DATE : 5 to 6 March 2021

PAPERS PRESENTED

TITLE : 'Synthesis and Pharmacological Studies of some Thiazolo Pyridimines, Thiazolo Isooxazoles and their Ethoxy Pthalimide Derivatives' in International Conference on "Frontiers in Organo metallic and Catalysis"

PRESENTED BY : Swati Joshi

ORGANISED BY : Department of Chemistry, MNIT, Jaipur

DATE : 2 to 22 January 2021

TITLE : "Bio Catalytic Reduction of Selected Ketoamides with Anti-Bacterial Activity of Corresponding Hydroxymides" in International Conference on "Frontiers in Organo metallic and Catalysis"

PRESENTED BY : Poonam Ojha

ORGANISED BY : Department of Chemistry, MNIT, Jaipur

DATE : 20 to 22 January 2021

STTPs ATTENDED

TITLE : Spectroscopic Techniques for Materials characterization"
DATE : 4 to 8 Jan. 2021.
ORGANISED BY : Materials Research Centre, MNIT, Jaipur
ATTENDED BY : Vinita Sharma

TITLE : Advanced Technology for Materials Engineering
DATE : 19 to 24 January 2021.
ORGANISED BY : IIT, Indore
ATTENDED BY : Vinita Sharma

TITLE : Nano Materials for Environmental Applications: Characterization by Analytical Tools
DATE : 17 to 21 November 2020
ATTENDED BY : Poonam Ojha, Swati Joshi
ORGANISED BY : Department of Chemistry, MNIT, Jaipur and NIT, Jalandhar

TITLE : On the Solutions of Certain Fractional Kinetic Equations Involving Laguerre Polynomials
AUTHOR/S : Deepika Jain
CONFERENCE : International Online Conference on Emerging Trends in Multi-Disciplinary Research "ETMDR-2020"

TITLE : A Note on Generalization of Convolution Theorem for Some Integral Transforms
AUTHOR/S : Deepika Jain
CONFERENCE : 2nd International Conference on Mathematical Techniques(e-ICMTA 2021) 24 to 26 March 2021, at SRM Institute of Science and Technology, Kattankulathur, Tamilnadu, India.

TITLE : English Language Teaching: Challenges and Strategies
AUTHOR/S : Surbhi Sharma, Dr Jyoti Arora
CONFERENCE : New Directions in English Language Teaching: Issues, Practices, Challenges. SKIT, Jaipur.

MENTORS OF NPTEL COURSE

COURSE/ TOPIC : Enhancing Soft Skills and Personality
MENTOR : Archana Saxena, Sangeeta Vyas
DURATION & CATEGORY : Jan. to Dec. 2020
ORGANIZED BY : IIT, MADRAS

COURSE/ TOPIC : Speaking Effectively
MENTOR : Sharda Soni
DURATION & CATEGORY : Jan. to Dec. 2020
ORGANIZED BY : IIT MADRAS

NPTEL / COURSERA COURSES COMPLETED

COURSE/ TOPIC : Soft Skill Development
COMPLETED BY : Jyoti Arora
DURATION & CATEGORY : January to March 2020, NPTEL 4 week

COURSE/ TOPIC : Matrix Algebra for Engineers
COMPLETED BY : Vijay Kumar Singhal
DURATION & CATEGORY : 20 June to 21 July, 2020 (Coursera, The Hongkong University of Science & Technology)

COURSE/ TOPIC : Introduction to Probability and Statistics
COMPLETED BY : Sangeeta Choudhary, Pramila Kumawat
DURATION & CATEGORY : 27 January 2020, NPTEL 4 week

COURSE/ TOPIC : Excel Skills for Business Essentials
COMPLETED BY : Sangeeta Choudhary
DURATION & CATEGORY : 5 June to 10 July 2020 Coursera, 4 week

COURSE/ TOPIC : Introduction to Basic Spoken Sanskrit
COMPLETED BY : Pramila Kumawat
DURATION & CATEGORY : 24 March 2020 NPTEL 4 week

DEPARTMENT OF MATHEMATICS

PAPERS PRESENTED IN CONFERENCES/ SEMINARS

TITLE : A Hybrid Forecasting Model Based on Equilibrium Optimizer and Artificial Neural Network for Assessment of Pm10 Concentration
AUTHOR/S : Shalini Shekhawat
CONFERENCE : Global Conference on Artificial Intelligence and Applications

COURSE/ TOPIC : Introduction to Abstract Group Theory
COMPLETED BY : Amber Srivastava
DURATION & CATEGORY : (8 week) NPTEL

Sciences Research
DATE : 16 to 17 August 2020
VENUE : Special Centre for E-Learning
Jawaharlal Nehru University, New Delhi, India

COURSE/ TOPIC : Engineering Mathematics-1
COMPLETED BY : Surbhi Sharma
DURATION & CATEGORY : (12 week) NPTEL

ATTENDED BY : Amber Srivastava, Vivek Vijay, Nawal Kishor Jangid

COURSE/ TOPIC : Introduction to Calculus
COMPLETED BY : Nawal Kishor Jangid
DURATION & CATEGORY : August - October 2020, 9 Week, Coursera

TITLE : International Conference on Recent Trends in Mathematics and Its Applications to Graphs, Networks and Petri Nets (ICRTMA- GPN-2020)

DATE : 20 to 24 July 2020
VENUE : School of Computational and Integrative Sciences, JNU New Delhi and Vijanana Parishad of India

COURSE/ TOPIC : Laplace Transform
COMPLETED BY : Chandra Prakash Jain, Vijay Kumar Singhal, Nawal Kishor Jangid, Vivek Vijay, Shalini Shekhawat

ATTENDED BY : Amber Srivastava, Vivek Vijay, Vijay K Singhal, Nawal K Jangid, Sumit Gupta

DURATION & CATEGORY : September - October, 2020, 4 Week, NPTEL

TITLE : Enhancing Entrepreneurship Skills using Mathematical Mind

DATE : 24 September 2020
VENUE : Manipal University

COURSE/ TOPIC : Discrete Mathematics
COMPLETED BY : Nawal Kishor Jangid
DURATION & CATEGORY : September - October, 2020, 4 Week, NPTEL

ATTENDED BY : Deepika Jain

TITLE : Advances in Mechanics
DATE : 18 to 20 December 2020
ORGANIZED BY : Department of Mathematics and Statistics, Manipal University Jaipur

ATTENDED BY : Nawal Kishor Jangid

ON GOING PROJECTS:

TITLE : Development of Intelligent Prediction Models for Accessing Air Quality at Different Cities of Rajasthan
SANCTIONED FROM : TEQIP-III/RTU(ATU) under Competitive Research Scheme by RTU
SANCTION NO : TEQIP-III/RTU(ATU)/CRS/201920/51
FACULTY : Shalini Shekhawat (Principal Investigator)

TITLE : Application of Metaheuristic for Prediction of Secondary Structure of Proteins
SANCTIONED FROM : TEQIP-III/RTU(ATU) under Competitive Research Scheme by RTU
SANCTION NO : TEQIP-III/RTU(ATU)/CRS/201920/33
FACULTY : Shalini Shekhawat (Co - Principal Investigator)

FDPs ATTENDED

TITLE : Advanced Concepts for Developing MOOCs
DATE : 2 to 17 July 2020
VENUE : Ramanujan College, University of Delhi
ATTENDED BY : Sangeeta Choudhary

TITLE : Surfaces All around-A Mathematical Point of View
DATE : 22 July 2020
VENUE : Bengaluru (Online)
ATTENDED BY : Sumit Gupta

TITLE : Applications of Mathematical Modelling in Science and Engineering
DATE : 25 to 27 July 2020
VENUE : Vivekananda Institute of Technology, Jaipur and RTU, Kota

ATTENDED BY : Vivek Vijay, Shalini Shekhawat, Surbhi Sharma, Sangeeta Choudhary, Nawal K Jangid

CONFERENCES/ SEMINARS ATTENDED

TITLE : Emerging Trends in Vedic Mathematics & Applications in Science, Technology and Social

TITLE	: Applications of Mathematics in Engineering	VENUE	: B K Birla Institute of Engineering & Technology, Pilani
DATE	: 27 to 31 July 2020		
VENUE	: KPR Institute of Engineering & Technology, Sasur, Coimbatore	ATTENDED BY	: Shalini Shekhawat
ATTENDED BY	: Surbhi Sharma		
TITLE	: MATLAB-Statistics and Data Science	TITLE	: Fixed Point Theory and its applications
DATE	: 27 July to 1 Aug 2020	DATE	: 15 to 19 September 2020
VENUE	: Department of Applied Sciences, Sagar Institute of Research & Technology, Bhopal	VENUE	: Dept. of Mathematics, & Statics, School of Basic Sciences, Manipal University, Jaipur
ATTENDED BY	: Nawal K Jangid, Vivek Vijay, Shalini Shekhawat, Vijay K Singhal, Sumit Gupta	ATTENDED BY	: Deepika Jain
TITLE	: Aatmnirbhar Bharat: Encouraging Enterprise in Rural Communities and Remote Regions	TITLE	: Salesforce Trailhead
DATE	: 4 to 6 August 2020	DATE	: 16 to 20 September 2020
VENUE	: SKIT, Jaipur & RTU Kota	VENUE	: SKIT, Jaipur
ATTENDED BY	: Sangeeta Choudhary	ATTENDED BY	: Rohit Mukherjee, Vivek Vijay
TITLE	: Recent Advancement in the Field of Physical Sciences	TITLE	: Applications of Mathematical Sciences in Engineering and Technology
DATE	: 7 to 8 August 2020	DATE	: 23 to 27 September 2020
VENUE	: Jaipur Engineering College, Kukas, Jaipur	VENUE	: SKIT, Jaipur (Online)
ATTENDED BY	: Chandra Prakash Jain, Deepika Jain, Sangeeta Choudhary, Surbhi Sharma, Nawal K Jangid	ATTENDED BY	: Amber Srivastava, Rohit Mukherjee, Sangeeta Choudhary, Pramila Kumawat, Jyoti Arora, Vivek Vijay, Surbhi Sharma, Chandra Prakash Jain, Vijay K Singhal, Shalini Shekhawat, Sumit Gupta, Deepika Jain, Nawal K Jangid
TITLE	: Manufacturing and Recyclization of Engineering Materials-Cement, Glass and Ceramics	TITLE	: Internet of Things (IoT)- Applications in Biomedical Instrumentation, Healthcare and Pharma
DATE	: 10 to 14 August 2020	DATE	: 12 to 16 October 2020
VENUE	: SKIT, Jaipur	VENUE	: Women Engineering College Ajmer
ATTENDED BY	: Jyoti Arora, Deepika Jain, Surbhi Sharma, Vijay Kumar Singhal	ATTENDED BY	: Amber Srivastava, Rohit Mukherjee
TITLE	: Student-Centred Teaching Methods & Strategies in Higher Education	TITLE	: Finite Element Method and Applications
DATE	: 10 to 14 August 2020	DATE	: 28 December 2020 to 1 January 2021
VENUE	: SKIT, Jaipur & RTU Kota	VENUE	: MNIT, Jaipur
ATTENDED BY	: Sangeeta Choudhary, Surbhi Sharma	ATTENDED BY	: Deepika Jain
TITLE	: ICT Tools for Teaching, Learning Process and Institute	TITLE	: Finite Element Method for Engineers
DATE	: 10 to 21 August 2020	DATE	: 26 to 30 December 2020
VENUE	: Electronics & ICT Academies NIT Patna, MNIT Jaipur, PDPM IIITDM Jabalpur, IIT Guwahati and IIT Roorkee	VENUE	: Department of ME, University Departments, RTU TEQIP-III
ATTENDED BY	: Sangeeta Choudhary	ATTENDED BY	: Pramila Kumawat, Surbhi Sharma
TITLE	: Applications of Optimization Techniques in Science and Engineering Research	TITLE	: Applications of Mathematical Sciences in Engineering and Technology
DATE	: 23 to 27 August 2020	DATE	: 23 to 27 September 2020
		VENUE	: SKIT, Jaipur Sponsored by TEQIP RTU (ATU)
		TITLE	: Software Packages for Mathematics in Engineering
		DATE	: 23 to 28 November 2020
		ORGANIZED BY	: Vidya Academy of Science and Technology, Thrissur, Kerala.

ATTENDED BY : Sangeeta Choudhary, Chandra Prakash Jain, Vijay Kumar Singhal, Nawal Kishor Jangid

TITLE : Induction/Orientation Programme for "Faculty in Institutes of Higher Education"

DATE : 10 November to 9 December 2020
ORGANIZED BY : Teaching Learning Centre, Ramanujan College University of Delhi

ATTENDED BY : Shalini Shekhawat

TITLE : Operations Research with Engineering Applications

DATE : 7 to 11 December, 2020
ORGANIZED BY : Applied Science Department, NITTTR, Chandigarh

ATTENDED BY : Vijay Kumar Singhal

TITLE : Computer Vision and Pattern Recognition

DATE : 18 to 22 December 2020
ORGANIZED BY : SMCET Phagi, Jaipur
ATTENDED BY : Chandra Prakash Jain

TITLE : Solution of Differential Equations and Its Applications

DATE: 4 to 8 January 2021
ORGANIZED BY : Pandit Deendayal Petroleum University, Gujarat

ATTENDED BY : Sumit Gupta

TITLE : Computational Modelling in Mathematics

DATE : 8 to 12 February 2021
ORGANIZED BY : Poornima College of Engineering, Jaipur
ATTENDED BY : Jyoti Arora

TITLE : An Introduction to Statistics in Engineering

DATE : 15 to 19 March 2021
ORGANIZED BY : NIT, Manipur
ATTENDED BY : Sumit Gupta

TITLE : Recent Advancement in Machine Learning and Artificial Intelligence

DATE : 16 to 20 March 2021
ORGANIZED BY : Poornima College of Engineering, Jaipur
ATTENDED BY : Sumit Gupta

TITLE : Research Methodology

DATE : 26 April to 1 May 2021
ORGANIZED BY : Kamla Nehru Mahavidyalya, Nagpur
ATTENDED BY : Shalini Shekhawat

WORKSHOPS ATTENDED

TITLE : Inculcating Universal Human Values in Technical Education

DATE : 9 to 13 July 2020
ATTENDED BY : Jyoti Arora
ORGANIZED BY : All India Council for Technical Education (AICTE).

TITLE : Inculcating Universal Human Values in Technical Education

DATE : 19 to 23 August 2020
ATTENDED BY : Jyoti Arora, Vivek Vijay, Surbhi sharma, Chandra Prakash Jain, Vijay Kumar Singhal, Shalini Shekhawat, Nawal K Jangid
ORGANIZED BY : All India Council for Technical Education (AICTE).

TITLE : Origin of Mathematics in Vedas and Its Different Dimensions

DATE : 18 to 19 July 2020
ATTENDED BY : Vijay Kumar Singhal
ORGANIZED BY : Gautam Buddha University and Siksha Sanskriti Utthan Nyas.

TITLE : Aligning yourself for the Publishing Process

DATE : 24 July 2020
ATTENDED BY : Shalini Shekhawat
ORGANIZED BY : Research Academy.

TITLE : Inculcating Universal Human Values in Technical Education

DATE : 5 to 9 Aug 2020
ATTENDED BY : Pramila Kumawat
ORGANIZED BY : AICTE.

TITLE : NBA Accreditation

DATE : 29 to 31 August 2020
ATTENDED BY : Jyoti Arora
ORGANIZED BY : RTU, Kota and BITS Pilani

TITLE : Latex and Scilab

DATE : 21 to 25 January 2021
ATTENDED BY : Pramila Kumawat, Sumit Gupta, Vivek Vijay
ORGANIZED BY : JEC, Kukas, Jaipur, RTU TEQIP-III

TITLE : Advanced Pedagogy

DATE : 23 to 27 February 2021
ATTENDED BY : Pramila Kumawat
ORGANIZED BY : Shankara Institute, Jaipur, RTU TEQIP III

TITLE : Inculcating Universal Human Values in Technical Education
DATE : 19 to 23 August 2020
ATTENDED BY : Surbhi Sharma, Vivek Vijay, Chandra Prakash Jain, Vijay Kumar Singhal, Shalini Shekhawat, Nawal Kishor Jangid
ORGANIZED BY : AICTE

TITLE : Incorporating Universal Human Values in Education
DATE : 25 to 30 November 2020
ATTENDED BY : Vivek Vijay
ORGANIZED BY : SKIT, Jaipur

TITLE : Train The Trainers on Examination Reforms
DATE : 4 to 7 December 2020
ATTENDED BY : Chandra Prakash Jain
ORGANIZED BY : BVB College of Engineering and Technology, Hubballi

TITLE : Finite Element Methods (Fem) for Engineers
DATE : 26 to 30 Dec.2020
ATTENDED BY : Pramila Kumawat, Sumit Gupta, Chandra Prakash Jain, Surbhi Sharma
ORGANIZED BY : RTU-ATU, Kota

TITLE : Entrepreneurship Development
DATE : 1 to 3 February 2021
ATTENDED BY : Chandra Prakash Jain
ORGANIZED BY : RTU Kota, Rajasthan

ATTENDED BY : Nawal Kishor Jangid, Chandra Prakash Jain, V K Singhal, Vivek Vijay, Jyoti Arora, Pramila Kumawat, Amber Srivastava, Surbhi Sharma
ORGANIZED BY : SKIT, Jaipur.

TITLE : Memorial Lecture on Birth Anniversary of Late Prof. P. R. Sharma
DATE : 10 July 2020
ATTENDED BY : Chandra Prakash Jain, Pramila Kumawat, Amber Srivastava, Shalini Shekhawat, Sangeeta Choudhary, Nawal K Jangid
ORGANIZED BY : Department of Mathematics and Statistics, Manipal University-Jaipur.

TITLE : MEMOIR Reflections from Alumni Episode 01: 2004 Batch. The Foundation
DATE : 11 July 2020
ATTENDED BY : Sumit Gupta, Vivek Vijay, Pramila Kumawat, Amber Srivastava, Shalini Shekhawat, Surbhi Sharma, Sangeeta Gupta
ORGANIZED BY : SKIT, Jaipur.

TITLE : Ethical Hacking and Cyber Security
DATE : 8 to 12 July 2020
ATTENDED BY : Vivek Vijay, Nawal K Jangid, Vijay K Singhal
ORGANIZED BY : Sohng Education (SE), New Delhi, Federation of Community Radio Stations (FCRS), New Delhi IT Wing, RE & RF, Brahma Kumaris, Mount Abu.

WEBINARS ATTENDED

TITLE : Numerical and Scientific Computing
DATE : 1 July 2020
ATTENDED BY : Amber Srivastava, Vivek Vijay, Nawal Kishor Jangid, Deepika Jain, Jyoti Arora
ORGANIZED BY : Department of Mathematics and Statistics, School of Basic Sciences, Manipal University, Jaipur.

TITLE : Algae for Food, Energy and Sustainable Environmental Solutions
DATE : 4 July 2020
ATTENDED BY : Nawal Kishor Jangid, Deepika Jain, Jyoti Arora
ORGANIZED BY : Department of Applied Science, PIET, Jaipur.

TITLE : Education 4.0: Quality, Accreditation and Ranking
DATE : 4 July 2020

TITLE : Career Guidance for Civil Service Examinations
DATE : 15 July 2020
ATTENDED BY : Chandra Prakash Jain, Vivek Vijay
ORGANIZED BY : Unnat Bharat Abhiyan Cell and Department of Applied Sciences & Humanities of MCT's Rajiv Gandhi Institute of Technology, Mumbai.

TITLE : Gender Equality and Women Rights
DATE : 17 July 2020
ATTENDED BY : Sangeeta Choudhary
ORGANIZED BY : Poornima College of Engineering.

TITLE : Mental Wellness for Millennials
DATE : 19 July 2020
ATTENDED BY : Chandra Prakash Jain
ORGANIZED BY : PehlaSukh- India Wellness Initiative.

TITLE : Robotics-Connecting Engineering Minds
DATE : 22 July 2020
ATTENDED By : Sumit Gupta
ORGANIZED BY : IIT Delhi

TITLE : International Webinar on Pure and Applied Mathematics
DATE : 22 to 23 July 2020
ATTENDED By : Sumit Gupta
ORGANIZED BY : Shree Gopal Banerjee College, Magra, India

TITLE : Cyber Security and Digital Safety during and Post COVID 19
DATE : 24 July 2020
ATTENDED BY : Shalini Shekhawat
ORGANIZED BY : Prestige Institute of Management, Gwalior.

TITLE : Research Methodology: Paper Writing & Online Tools
DATE : 24 July 2020
ATTENDED BY : Vivek Vijay
ORGANIZED BY : Department of Electrical Engineering, Sobhasaria Group of Institutions, Sikar (India).

TITLE : Numerical and Scientific Computing
DATE : 28 July 2020
ATTENDED BY : Chandra Prakash Jain
ORGANIZED BY : Manipal University, Jaipur.

TITLE : International Webinar on Special Functions and Discrete Mathematics
DATE : 2 to 5 August 2020
ATTENDED BY : Sangeeta Choudhary, Shalini Shekhawat, Chandra Prakash Jain, Sumit Gupta
ORGANIZED BY : Department of Mathematics, University of Kerala.

TITLE : Recent Trends in Mathematics and Its Application in Computer Science
DATE : 9 August 2020
ATTENDED By : Sumit Gupta
ORGANIZED BY : IQAC, Shyampur Siddheswari Mahavidyalaya, Howrah, India

TITLE : Applied Mathematical Modelling of Engineering Problems
DATE : 25 August 2020
ATTENDED BY : Amber Srivastava, Rohit Mukherjee, Shalini Shekhawat
ORGANIZED BY : HEAS Department, RTU, Kota.

TITLE : Applications of Orthogonal Polynomials in Engineering Problems
DATE : 2 September 2020
ATTENDED BY : Vivek Vijay, Shalini Shekhawat, Nawal Kjangid
ORGANIZED BY : UD TEQIP-III, HEAS (Mathematics).

TITLE : Effective Communication Skills
DATE : 3 Sep 2020
ATTENDED BY : Surbhi Sharma
ORGANIZED BY : HEAS Department, RTU, Kota.

TITLE : An Introduction to Hydrodynamic Stability Analysis
DATE : 6 September 2020
ATTENDED BY : Amber Srivastava
ORGANIZED BY : RTU, Kota.

TITLE : Multi-Criteria Decision Analysis Using Goal Programming
DATE : 10 September 2020
ATTENDED BY : Amber Srivastava, Sangeeta Choudhary, Surbhi Sharma, Nawal K Jangid
ORGANIZED BY : HEAS, Mathematics, RTU, Kota

TITLE : NBA Awareness Webinar on Outcome Based Education and Accreditation
DATE : 4 December 2020
ATTENDED BY : Amber Srivastava, Jyoti Arora
ORGANIZED BY : NBA and RTU

TITLE : Basics of Bhagwad Geeta
DATE : 25December 2020
ATTENDED BY : Pramila Kumawat (Club Coordinator)
ORGANIZED BY : Club of Knowledge, SKIT.

TITLE : Quiz on Our Constitution Based on Facts About Our Constitution
DATE : 26 January, 2021
ATTENDED BY : Pramila Kumawat
ORGANIZED BY : Club of Knowledge, SKIT

DEPARTMENT OF PHYSICS

FDP ON "RECENT TRENDS IN MATERIAL SCIENCE AND ENGINEERING"

A two-day Faculty Development Programme on "Recent Trends in Material Science and Engineering (RTMSE-2020)"

was organized by the Department from 20 to 21 August, 2020. This FDP was sponsored by RTU (ATU) under Technical Education Quality Improvement Program phase III (TEQIP-III). This FDP comprised of six thoughtful informative sessions of one hour each delivered by the experts from the various reputed institutes like from CSIR, IUAC, IACS, NIT and IIT. They discussed their research work about the recent trends in the field of Condensed Matter physics, Nano materials, Composites, Energy Devices etc. The FDP was coordinated by Mansavi Dixit. Total 185 faculty members and research scholars from various universities and institutes of all over the country participated in this FDP.

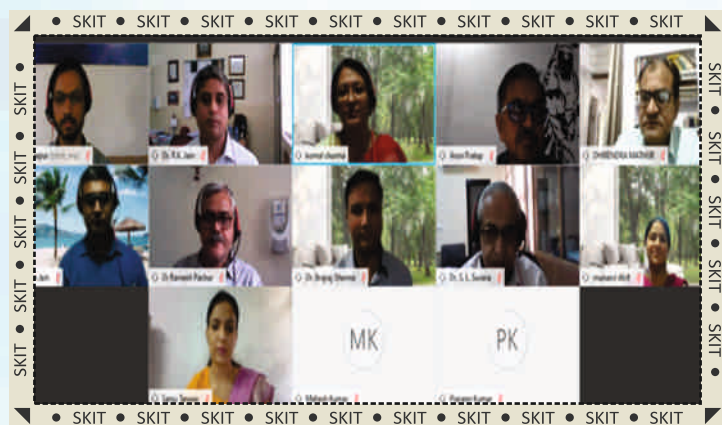


Photo-frame of FDP

NPTEL / COURSERA COURSES COMPLETED

- COURSE/ TOPIC : Classical Electromagnetism-I (Electrostatic)
- COMPLETED BY : R.K. Jain, B.R. Sharma, Komal Sharma, Rajiv Kumar, Manasvi Dixit, Pawan Kumar Jain, Ajay Sharma
- DURATION & CATEGORY : 15 Aug. to 13 Dec. 2020 mooKIT. Awarded Certificate for Excellent Performance
- COURSE/ TOPIC : Advanced course on Special Theory of Relativity
- COMPLETED BY : R.K. Jain, B.R. Sharma, Komal Sharma, Rajiv Kumar, Manasvi Dixit, Pawan Kumar Jain, Ajay Sharma, Rishi Vyas
- DURATION & CATEGORY : 26 January to 19 May 2020 mooKIT. Awarded Certificate for Excellent Performance
- COURSE/ TOPIC : Advanced Course on Special Theory of Relativity

- COURSE/ TOPIC : Python Data Structures
- COMPLETED BY : Rishi Vyas
- DURATION & CATEGORY : Coursera-8July 2020, University of Michigan
- COURSE/ TOPIC : Laser Fundamental and Applications
- COMPLETED BY : Komal Sharma, Pawan Kumar Jain, Ajay Kumar Sharma
- DURATION & CATEGORY : September to December 2020 (8 week), Awarded Elite Certificate and Gold Medal
- COURSE/ TOPIC : Waves and Oscillations
- COMPLETED BY : Rajiv Kumar
- DURATION & CATEGORY : September to December 2020 (12 Week), Awarded Elite Certificate and Silver Medal
- COURSE/ TOPIC : Experimental Physics-I
- COMPLETED BY : Rishi Vyas, Pawan Kumar Jain
- DURATION & CATEGORY : September to December 2020 (12 Week), Awarded Elite Certificate & Silver Medal, Rank in top 5%

- COURSE/ TOPIC : Laser Fundamental and Applications
- COMPLETED BY : Manasvi Dixit
- DURATION & CATEGORY : September to November 2020 (8 Week), Awarded Elite Certificate & Gold Medal, Rank in top 5%

- COURSE/ TOPIC : Experimental Physics-I
- COMPLETED BY : Manasvi Dixit
- DURATION& CATEGORY : Sep.- Dec. 2020 (12 Week Course), Awarded Elite Certificate

- COURSE/ TOPIC : The Data Scientist Toolbox
- COMPLETED BY : Pawan Kumar Jain
- DURATION& CATEGORY : Oct.- Nov. 2020 (4-week Course), Successfully completed by Coursera

FDPS ATTENDED

- TITLE : Vision & Pattern Recognition
- ATTENDED BY : B. R. Sharma
- ORGANIZED BY : RTU, Kota & SMCET, Phagi, Jaipur
- DATE : 18 to 22 December 2020
- TITLE : Advances in Renewable Energy Technologies: Opportunities and Challenges (Phase-I)

ATTENDED BY : B. R. Sharma
ORGANIZED BY : Organized by JIET, Jodhpur
DATE : 2 to 8 March 2021

TITLE : Essentials of Writing Research
Papers and Case Studies for Reputed
Journals

DATE : 19 to 20 June, 2020
ORGANIZED BY : S. S. Jain Subodh P. G. Autonomous
College, Jaipur

ATTENDED BY : B. R. Sharma, Manasvi Dixit

TITLE : Emerging Trends in Organic
Electronics (ETOE-2020)

DATE : 27 to 29 July, 2020
ORGANIZED BY : RTU, Kota and SKIT M&G, Jaipur

ATTENDED BY : R. K. Jain, B. R. Sharma, Komal
Sharma, Manasvi Dixit, Rishi Vyas,
Rajiv Kumar, Ajay Kumar Sharma,
Pawan Kumar Jain

TITLE : Aatm Nirbhar Bharat: Encouraging
Enterprise in Rural Communities and
Remote Regions

DATE : 4 to 6 August, 2020
ORGANIZED BY : RTU, Kota and Entrepreneurship Cell
"TOPAZ" SKIT, Jaipur

ATTENDED BY : B. R. Sharma

TITLE : Virtual Physics Lab

DATE : 7 to 9 August, 2020
ORGANIZED BY : TEQIP-III (NPIU-MHRD, Govt. of
India) sponsored FDP

ATTENDED BY : B. R. Sharma, Komal Sharma,
Manasvi Dixit, Rishi Vyas, Rajiv
Kumar, Ajay Kumar Sharma, Pawan
Kumar Jain

TITLE : Student Centered Teaching Methods
& Strategies in Higher Education

DATE : 10 to 14 August, 2020
ORGANIZED BY : Organized by RTU, Kota and SKIT
M&G, Jaipur

ATTENDED BY : Komal Sharma, Manasvi Dixit, Ajay
Kumar Sharma, Rajiv Kumar

TITLE : Recent Trends in Material Science
and Engineering

DATE : 20 to 21 August, 2020
ORGANIZED BY : RTU, Kota and SKIT M&G, Jaipur

ATTENDED BY : R. K. Jain, B. R. Sharma, Komal
Sharma, Manasvi Dixit, Rishi Vyas,
Rajiv Kumar, Ajay Kumar Sharma,
Pawan Kumar Jain

TITLE : Accreditation- A tool for Continuous
Improvement

DATE : 27 to 29 August, 2020
ORGANIZED BY : RTU, Kota & IQAC JIET, Jodhpur
ATTENDED BY : B. R. Sharma

TITLE : Universal Human Value on the theme
"DEEKSHARAMBH"

DATE : 21 to 25 September, 2020
ORGANIZED BY : Organized by NIT, Patna
ATTENDED BY : B. R. Sharma

TITLE : Emerging Trends in Nano- Electronics
(ETNE-2020)

DATE : 21 to 25 September, 2020
ORGANIZED BY : RTU, Kota and SKIT M&G, Jaipur
ATTENDED BY : Komal Sharma, Manasvi Dixit, Ajay
Kumar Sharma, Rajiv Kumar, Pawan
Kumar Jain, Rishi Vyas

TITLE : Laser Fundamental and Applications
DATE : Sep-Nov 2020 (8 Weeks Course
Equivalent to 1week FDP
Programme)

ORGANIZED BY : NPTEL AICTE Faculty Development
Programme
ATTENDED BY : Komal Sharma, Manasvi Dixit, Ajay
Kumar Sharma, Pawan Kumar Jain

STTP ATTENDED

TITLE : Nanoelectronics Devices and Circuit
DATE : 4 to January 2021
ATTENDED BY : Rishi Vyas
ORGANIZED BY : AICTE sponsored Online QIP STC by
IIT BHU

MENTOR OF NPTEL COURSE

COURSE/ TOPIC : The Joy of Computing using
Python
MENTOR : Rajiv Kumar Awarded Top
Performing Mentor
DURATION & CATEGORY : January to December 2020, NPTEL

CONFERENCE ATTENDED:

TITLE : 2020 IEEE Indian Conference on
Antennas and Propagation
DATE : 17 to 20 December 2020
ORGANISED BY : IEEE AP and MTT Kolkata Chapter
ATTENDED BY : B.R. Sharma, Komal Sharma

WORKSHOPS ATTENDED

TITLE	:	Workshop on Universal Human Values
DATE	:	28 September to 2 October 2020
ATTENDED BY	:	R. K. Jain
ORGANIZED BY	:	AICTE, Delhi
TITLE	:	Workshop on Universal Human Values
DATE	:	5 to 9 August, 2020
ATTENDED BY	:	B. R. Sharma, Manasvi Dixit, Pawan Kumar Jain, Ajay Kumar Sharma, Rajiv Sharma
ORGANIZED BY	:	AICTE, Delhi
TITLE	:	Workshop on Universal Human Values
DATE	:	19 to 23 August 2020
ATTENDED BY	:	Komal Sharma, Rishi Vyas
ORGANIZED BY	:	AICTE, Delhi
TITLE	:	TEQIP III Sponsored Teacher Training Workshop
DATE	:	24 February 2020
ATTENDED BY	:	Rajiv Kumar
ORGANIZED BY	:	RTU, Kota & JECRC, Jaipur (held at JECRC Jaipur).
TITLE	:	Workshop on NPTEL E-awareness
DATE	:	5 January 2021
ATTENDED BY	:	B. R. Sharma, Komal Sharma, Manasvi Dixit, Ajay Kumar Sharma
ORGANIZED BY	:	NPTEL
TITLE	:	Online Teaching and E-Content Development
DATE	:	10 to 11 August, 2020
ATTENDED BY	:	Pawan kumar Jain,
ORGANIZED BY	:	Manipal University, Jaipur

LECTURE SERIES ATTENDED

TITLE	:	Recent Trends on R F& its Applications
DATE	:	26 to 30 June, 2020
ORGANIZED BY	:	IEEE APS Chapter-Jaipur & IEEE Rajasthan Subsection in association with MNIT, Jaipur and GWEC, Ajmer
ATTENDED BY	:	B. R. Sharma

WEBINAR ATTENDED

TITLE	:	Outcome based Education and Accreditation
ATTENDED BY	:	B. R. Sharma
ORGANISED BY	:	NBA and RTU Kota.
DATE	:	4 December, 2020
TITLE	:	Meta-Materials based Leaky Wave Antenna
ATTENDED BY	:	B. R. Sharma
ORGANISED BY	:	IEEE MTT-S and AP-S MUJ student branch chapter & Electronics and Communication Engineering, Manipal University Jaipur
DATE	:	3 June, 2020
TITLE	:	Relevance of IEEE Standards in Teaching, Learning and Industry Collaborations
ATTENDED BY	:	B. R. Sharma, Manasvi Dixit, Ajay Kumar Sharma
ORGANISED BY	:	IEEE India Operations and EBSCO Information Services India Pvt. Ltd.
DATE	:	4 June, 2020
TITLE	:	Mimo Antennas for 5G Communications using CST Studio Suite
ATTENDED BY	:	B. R. Sharma
ORGANISED BY	:	Department of Electronic Science, University of Delhi South Campus, New Delhi
DATE	:	5 to 6 June, 2020
TITLE	:	Art and Challenges of Writing Papers for IEEE Transactions
ATTENDED BY	:	B. R. Sharma, Komal Sharma
ORGANISED BY	:	IEEE Bangalore Section
DATE:	:	5 to 6 June, 2020
TITLE	:	Nanoscience and Nanotechnology in the Present Scenario
ATTENDED BY	:	Manasvi Dixit
ORGANISED BY	:	School of Physical Sciences & Special Centre for Nano Sciences Jawaharlal Nehru University, New Delhi.
DATE	:	9 to 10 June, 2020
TITLE	:	GHz to THz Antennas: Trends, Techniques and Next Generation Requirements in Wireless Communication
ATTENDED BY	:	B. R. Sharma

ORGANISED BY : IEEE MTT-S and AP-S MUJ student branch chapter & Electronics and Communication Engineering, Manipal University Jaipur

DATE: 10 June, 2020

TITLE : Century of Quantum Mechanics and Still Going Strong

ATTENDED BY : B. R. Sharma, Rajiv Kumar, Pawan Kumar Jain, Ajay Kumar Sharma

ORGANISED BY : MS University, Baroda, Gujrat Science Academy, IPA Baroda Chapter, IAPT in association with national academy of Sciences, India (Delhi Chapter)

DATE : 15 to 17 June, 2020

TITLE : Optical Science: New Paradigm

ATTENDED BY : B. R. Sharma

ORGANISED BY : OSA Student Chapter, and SKIT, Jaipur

DATE : 3 July, 2020

TITLE : Satellite Antenna Characterization, Test & Design

ATTENDED BY : Komal Sharma

ORGANISED BY : IEEE MTT-S and AP-S MUJ Student Branch Chapter & Electronics and Communication Engineering Manipal University, Jaipur

DATE : 7 July, 2020

TITLE : Energy and Environment

ATTENDED BY : Komal Sharma, Manasvi Dixit

ORGANISED BY : The Maharaja Sayajirao University of Baroda, Gujrat Science Academy, Indian Physics Association Baroda Chapter and Indian Association of Physics Teachers in Association with National Academy of Sciences, India Ahmedabad Chapter

DATE : 9 to 10 July, 2020

TITLE : Optical Fibre and Fibre Components & Devices

ATTENDED BY : B. R. Sharma, Komal Sharma

ORGANISED BY : IETE and ISTE SKIT Student Chapter, SKIT, Jaipur

DATE : 12 September, 2020

TITLE : Revised Accreditation Framework of NAAC Quality Enhancement Practices in Higher Education

ATTENDED BY : B. R. Sharma, Komal Sharma

ORGANISED BY : S. S. Jain Subodh P. G. Autonomous College, Jaipur Under the Aegis of UGC 'Paramarsh' Scheme and IQAC Subodh

DATE : 21 October, 2020

PAPERS PUBLISHED

DEPARTMENTS OF COMPUTER SCIENCE ENGINEERING & INFORMATION TECHNOLOGY

TITLE : Comparing Different Models for Credit Card Fraud Detection

AUTHOR/S : Bhupendra Singh, Mehul Mahrishi

JOURNAL : SKIT Research Journal, Volume 10 Issue2

TITLE : Reverse Engineering for Potential Malware Detection

AUTHOR/S : Girish Sharma, Mehul Mahrishi, Kamal Hiran,

JOURNAL : Journal of Information Assurance and Security, Volume 15, Issue 1

TITLE : An Optimal Framework for Spatial Query Optimization using Hadoop in Big Data Analytics

AUTHOR/S : Pankaj Dadheech, Dinesh Goyal, Sumit Srivastava, Ankit Kumar

JOURNAL : Recent Advances in Computer Science and Communications, formerly: Recent Patentson Computer Science (2021) 13:6, pp: 1188-1198, Published on: 28 January, 2021, <https://doi.org/10.2174/2213275912666190419215231>, ISSN: 2666-2558 (Print), ISSN: 2666-2566 (Online), Bentham Science Publisher.

TITLE : A Novel Scheme for Prevention and Detection of Black Hole & Gray Hole Attack in VANET Network

AUTHOR/S : Ankit Kumar, Pankaj Dadheech, Dinesh Goyal, Pawan Kumar Patidar, S. R. Dogiwal, Nehajanu

JOURNAL : Recent Patents on Engineering (2021)15(2): pp: 263-274, DOI:<https://doi.org/10.2174/1872212114999200512120211>, ISSN: 18722121 (Print), ISSN: 2212-4047 (Online), Bentham Science Publisher.

TITLE : A Multi-Stakeholder Involved Effective E-Waste Management in Manufacturing Recycled Electronic Products Using Game Theory

AUTHOR/S : Sengan, S., Palaniappan, K., Kathamuthu, N., Amin R., Mariappan R., Hashim N. Zain E., Pankaj Dadheech

JOURNAL : Arabian Journal for Science and Engineering (2021), Special Issue- Frontiers in Parallel Programming Models for Fog and Edge Computing Infrastructures Published 12 April 2021, Impact factor: 1.711, Published by Springer, <https://doi.org/10.1007/s13369-021-05620-9>.

TITLE : Analysis and Design of Fuzzy-based Manoeuvring Model for Mid-Vehicle Collision Avoidance System

AUTHOR/S : Prabhakaran Narayanan, Sudhakar Sengan, Balasubramaniam Pudhupalayam Marimuthu, Ranjith Kumar Paulra, Cherry Bhargava, Pardeep Kumar Sharma, Kailash Kumar, Pankaj Dadheech

JOURNAL : Journal of Ambient Intelligence and Humanized Computing (2021), ISSN: 18685137, Impact factor: 4.594, Published by Springer, <https://doi.org/10.1007/s12652-020-02737-x>.

TITLE : Flow-based Anomaly Intrusion Detection using Machine Learning Model with Software Defined Networking for Open Flow Network

AUTHOR/S : N. Satheesh, M.V. Rathnamma, G. Rajeshkumar, P. Vidya Sagar, Pankaj Dadheech, S.R. Dogiwal, Priya Velayutham, Sudhakar Sengan

JOURNAL : Microprocessors and Microsystems, Volume 79, pp. 1~15, Oct. 2020, 103285, ISSN 0141-9331, <https://doi.org/10.1016/j.micpro.2020.103285>, Cite Score: 3.0, Impact Factor: 1.161, SC Imago Journal Rank (SJR): 0.303, Published by Elsevier B.V.

TITLE : Black Hole Attack Detection in Vehicular Ad Hoc Network Using Secure AODV Routing Algorithm

AUTHOR/S : Ankit Kumar, Vijayakumar Varadarajan, Abhishek Kumar, Pankaj Dadheech,

Surendra Singh Choudhary, V.D. Ambeth Kumar, B.K. Panigrahi, Kalyana C. Veluvolu

JOURNAL : Journal of Ambient Intelligence and Humanized Computing (2021), ISSN: 1868 5137, Impact Factor: 4.594, Published by Springer, <https://doi.org/10.1007/s12652-020-02737-x>.

TITLE : Implementation of Internet of Things Based Sentiment Analysis for Farming System

AUTHOR/S : Pankaj Dadheech, R. Sheeba, R. Vidya, Pothuraju Rajarajeswari, P. Srinivasan, C. Sathiya Kumar and Sudhakar Sengan

JOURNAL : Journal of Computational and Theoretical Nanoscience, Vol. 17, Number 12, pp. 53395345 (7), December 2020, ISSN 1546-1955 (Print); ISSN 1546-1963 (Online), American Scientific Publishers, United States of America, <https://doi.org/10.1166/jctn.2020.9426>.

TITLE : A Hybrid Cluster Technique for Improving the Efficiency of Colour Image Segmentation

AUTHOR/S : Ankit Kumar, Linesh Raja, Pankaj Dadheech, Manish Bhardwaj

JOURNAL : World Review of Entrepreneurship, Management and Sustainable Development, Nov. 2020, Vol. 16, Issue 6, pp. 665-679, Print ISSN: 1746-0573 Online ISSN: 1746-0581, Publisher: Inderscience, <https://doi.org/10.1504/WREMSD.2020.111405>.

TITLE : A Study, Analysis and Deep Dive on Docker Security Vulnerabilities and their Performance Issue

AUTHOR/S : Aakriti Sharma, Dr. Rashid Husaain

JOURNAL : Advances in Mathematics: Science Journal 9 (2020), No. 7, 5065-5073 ISSN: 1857-8365 (printed), 1857-8438 (electronic) <https://doi.org/10.37418/amsj.9.7.72>, Special issue on AMBADA-2020

- TITLE : Development of Top K-Association Rule Mining for Discovering Pattern in Medical Dataset.
- AUTHOR/S : Aakriti Sharma, Anjana Sangwan, Blessy Thankchan, Sachin Jain, Veenita Singh, Shantanu Saurabh
- JOURNAL : European Journal of Molecular and Clinical Medicine, ISSN: 2515-8260.
- TITLE : Evaluation of Performance for Bridging the Gap between Volunteer and Cloud
- AUTHOR/S : Anjana Sangwan, Dr. Rashid Hussain
- JOURNAL : Advances in Mathematics: Scientific Journal 9 (2020), no.7, 5085-5093, ISSN: 1857- 8365 (printed); 1857-8438 (electronic), <https://doi.org/10.37418/amjs.9.7.74>
- TITLE : Development of Top K-Association Rule Mining for Discovering Pattern in Medical Dataset
- AUTHOR/S : Aakriti Sharma, Anjana Sangwan, Blessy Thankchan, Sachin Jain, Veenita Singh, Shantanu Saurabh
- JOURNAL : European Journal of Molecular & Clinical Medicine, 2020, Volume 7, Issue 4, Pages 1413-1421. Online ISSN: 2515 8260
- TITLE : Development of Load Balancing Solution for Real-Time Communication Services over AWS
- AUTHOR/S : Anjana Sangwan, Dr. Rashid Hussain
- JOURNAL : International Journal of Converging Technologies & Management, Volume 6 Issue 2, 2020
- TITLE : Diabetes Data Prediction in Healthcare using Hadoop over Big Data"
- AUTHOR/S : Gajanad Sharma, Ashutosh Kumar, Himanshu Sharma, Ashok Kumar Saini, Priyanka Bhardwaj, S.R. Dogiwal
Journal: European Journal of Molecular & Clinical Medicine, ISSSN 2515-8260, Volume 7, Issue 4, 2020.
- TITLE : An Automated Optimize Utilization of Water and Crop Monitoring in Agriculture Using IoT
- AUTHOR/S : Sanwta Ram Dogiwal, Pankaj Dadheech, Ankit Kumar, Linesh Raja, Abhishek Kumar, Mahender Kumar Beniwal
- CONFERENCE : 4th International Conference on "Emerging Technologies in Computer Engineering: Data Science & Blockchain Technology" (ICETCE-2021) Organized by the Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur, Rajasthan, India held online on 03-04, February 2021, Publication Partner: IOP Science, IOP Conference Series: Material Science and Engineering, 1131 (2021) 012019, pp 1-10, <https://doi.org/10.1088/1757-899X/1131/1/012019>, ISSN 1757 899X (Online)
- TITLE : Multiple Water marking Scheme for Video & Image for Authentication & Copyright Protection
- AUTHOR/S : Neha Janu, Ankit Kumar, Pankaj Dadheech, Gajanand Sharma, Ashutosh Kumar, Linesh Raja
- CONFERENCE : 4th International Conference on "Emerging Technologies in Computer Engineering: Data Science & Blockchain Technology" (ICETCE-2021) Organized by the Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur, Rajasthan, India held online on 03-04, February 2021, Publication Partner: IOP Science, IOP Conference Series: Material Science and Engineering, 1131 (2021) 012020, pp 1 12, <https://doi.org/10.1088/1757-899X/1131/1/012020>, ISSN 1757-899X (Online)
- TITLE : Design and Analysis of an Efficient Multi Relational Decision Tree Learning Algorithm
- AUTHOR/S : Chhутten Singh Yadav, Abhishek Kumar, Ankit Kumar, Pankaj Dadheech
- CONFERENCE : International Conference on Applied Scientific Computational Intelligence using Data Science (ASCI-2020) Organized by Department of Computer Applications, Manipal University Jaipur, Rajasthan, India held online on 22-23, December 2020, Publication Partner: IOP Science, IOP Conference Series: Material Science and Engineering, 1099 (2021) 012075, pp 1-17, <https://doi.org/10.1088/1757-899X/1099/1/012075>, ISSN 1757-899X (Online).

- TITLE : A Secure and Efficient Data Migration over Cloud Computing
 AUTHOR/S : G. Madhukar Rao, K. Srinivas, Sayyad Samee, K Venkatesh, Pankaj Dadheech, Linesh Raja, Garvit Yagnik
 CONFERENCE : International Conference on Applied Scientific Computational Intelligence using Data Science (ASCI-2020) Organized by Department of Computer Applications, Manipal University Jaipur, Rajasthan, India held online on 22-23, December 2020, Publication Partner: IOP Science, IOP Conference Series: Material Science and Engineering, 1099 (2021) 012082, pp 1-11, <https://doi.org/10.1088/1757-899X/1099/1/012082>, IOP Publishing, IOP Publishing, ISSN 1757-899X (Online). 10.1007/978-981-15-4936-6_9, held at the Poornima Institute of Engineering & Technology, Jaipur, Rajasthan, India.
- TITLE : A Efficient Approach for Securing Images using RSA and Arnold Technique Metamorphose
 AUTHOR/S : Giri K., Dadheech P., Gupta A.K.
 CONFERENCE : In: Goyal D., Gupta A.K., Piuri V., Ganzha M., Paprzycki M. (eds), Proceedings of the Second International Conference on Information Management and Machine Intelligence. Lecture Notes in Networks and Systems, vol 166, pp 671-679. Springer, Singapore. https://doi.org/10.1007/978-981-15-9689-6_74, eBook ISBN: 978-981-15-9689-6, Softcover ISBN: 978-981-15-9688-9, Series ISSN 2367-3370, Series Volume: 166, pp 671-679, Edition Number: 1, 498548_1_En, First Online: 23 January 2021, (Chapter 74, pp 671-679), Springer, Singapore, held at the Poornima Institute of Engineering & Technology, Jaipur, Rajasthan, India.
- TITLE : A Cluster Based Classification for Imbalanced Data using SMOTE
 AUTHOR/S : Rajesh Kumar Tripathi, Linesh Raja, Ankit Kumar, Pankaj Dadheech, Abhishek Kumar, M N Nachappa
 CONFERENCE : International Conference on Applied Scientific Computational Intelligence using Data Science (ASCI-2020) Organized by Department of Computer Applications, Manipal University Jaipur, Rajasthan, India held online on 22-23, December 2020, Publication Partner: IOP Science, IOP Conference Series: Material Science and Engineering, 1099 (2021) 012080, pp 1-7, <https://doi.org/10.1088/1757-899X/1099/1/012080>, IOP Publishing, ISSN 1757-899X (Online).
- TITLE : Index Point Detection for Text Summarization using Cosine Similarity in Educational Videos
 AUTHOR/S : Rekha Sharma, Mehul Mahrishi, Sudha Morwal and Girish Sharma
 CONFERENCE : 4th International Conference on "Emerging Technologies in Computer Engineering: Data Science & Blockchain Technology" (ICETCE-2021) Organized by the Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur, Rajasthan, India held online on 03-04, February 2021, Publication Partner: IOP Science, IOP Conference Series: Material Science and Engineering, 1131 (2021) 012019, pp 1-8, <https://doi.org/10.1088/1757-899X/1131/1/012019>, ISSN 1757-899X (Online)
- TITLE : Performance Improvement of Heterogeneous Cluster of Big Data Using Query Optimization and MapReduce
 AUTHOR/S : Dadheech P., Goyal D., Srivastava S., Kumar A., Bhardwaj M.
 CONFERENCE : In: Goyal D., Bălaş V.E., Mukherjee A., Hugo C. de Albuquerque V., Gupta A.K. (eds) International Conference on Information Management and Machine Intelligence, Algorithms for Intelligent Systems. Springer, Singapore, pp 85-100, First Online: 17 September 2020, Print ISBN: 978-981-15-4935-9, Online ISBN: 978-981-15-4936-6. <https://doi.org/>
- TITLE : A Brief Survey of Deep Learning Techniques for Person Re-identification
 AUTHOR/S : Neha Mathur, Shruti Mathur, Divya Mathur, Pankaj Dadheech
 CONFERENCE : 3rd International Conference on Emerging Technologies in Computer

Engineering: Machine Learning and Internet of Things (ICETCE-2020), 07-08 February 2020, (IEEE Conference Record # 48199)

TITLE : Structuring Rich Agriculture using Pervasive Computing

AUTHOR/S : Anurag Bhatnagar, Nikhar Bhatnagar, Pradeep Kumar

JOURNAL : IOP Conference Series: Materials Science and Engineering, Volume 1099, Issue 1, January 2021, 4th International Conference on Emerging Technologies in Computer Engineering: Data Science & Blockchain Technology (ICETCE 2021), Jaipur, India.

TITLE : Index Point Detection for Text Summarization using Cosine Similarity in Educational Videos

AUTHOR/S : Rekha Sharma, Mehul Mahrishi, Sudha Morwal, Girish Sharma

JOURNAL : IOP Conference Series: Materials Science and Engineering 1131 (1), 012001 2021 4th International Conference on Emerging Technologies in Computer Engineering: Data Science & Blockchain Technology (ICETCE 2021), Jaipur, India.

TITLE : A Formal Study of Shot Boundary Detection Approaches – Comparative Analysis

AUTHOR/S : Nankani Hanisha, Mahrishi Mehul, Morwal Sudha., Hiran Kamal

CONFERENCE : Soft Computing: Theories and Applications. Advances in Intelligent Systems and Computing, DOI:10.1007/978-981-16-1740-9.

TITLE : Static Vulnerability Analysis of Deocker Images

AUTHOR/S : Vipin Jain, Baldev Singh, Medha Khenwar, Milind Sharma

JOURNAL : IOP Conference Series: Materials Science and Engineering, Volume 1131, Issue1, January 2021.

TITLE : 12 Improved Classifications

AUTHOR/S : Pankaj Dadheech, Ankit Kumar, SR Dogiwal, Vipin Jain, Vijander Singh, Linesh Raja

JOURNAL : Computer-aided Design and Diagnosis Methods for Biomedical Applications, 2021

TITLE : An improved Henry Gas Solubility Optimization-Based Feature Selection Approach for Histological Image Taxonomy

AUTHOR/S : Sushila Vishnoi, Ajit Kumar Jain

JOURNAL : International Journal Intelligent Systems Technologies and Applications, Vol. 20, No. 1, 2021, Page No-58-78.DOI: 10.1504/IJISTA.2021.10037190

DEPARTMENT OF MECHANICAL ENGINEERING

TITLE : An Experimental Study on Carbon Fiber Thickness and Layer Thickness of Depositing Material in Fused Deposition Modelling

AUTHOR/S : Purshotum Sharma, Ajay Kumar Dhanopia, Dheeraj Joshi

JOURNAL : Elsevier Material Today Journal, December 2020)

TITLE : Use of 2-Methoxyethyl Ether and Nitromethane as Oxygenated Additives for Performance Improvement and Emission Reduction of CI Engine: Experimental Investigation an Numerical Simulation

AUTHOR/S : Chandan Kumar, Kunj Bihari Rana, Priyanka Verma, Meghna Mahar, Shyam Sunder Sharma

JOURNAL : Environmental Science and Pollution Research, 2020. DOI: 10.1007/s11356 020-11547-9

TITLE : Performance Evaluation of Diesel-Additives Ternary Fuel Blends: An Experimental Investigation, Numerical Simulation using Hybrid Entropy-TOPSIS Method and Economic Analysis

AUTHOR/S : Chandan Kumar, Kunj Bihari Rana, Brajesh Tripathi

JOURNAL : Thermal Science and Engineering Progress, vol. 20, PP. 100675, 2020. DOI:10.1016/j.tsep. 2020.100675

TITLE : Effect of Ternary Fuel Blends on Performance and Emission Characteristics of Stationary VCR Diesel Engine

AUTHOR/S : Chandan Kumar, Kunj Bihari Rana,
Brajesh Tripathi
JOURNAL : Energy Sources, Part A: Recovery, Utilization,
and Environmental Effects DOI:10.1080/
15567036.2020.1785591

TITLE : Effect of Additives and Injection Pressure
on Performance of CI Engine

AUTHOR/S : Chandan Kumar, Meghna Mahar, Ankit
Agarwal, Sushil Surana

JOURNAL : SKIT Research Journal, Vol-10, Issue 2,
pp. 90-96, 2020.

TITLE : A Review on Effect of Process Parameters
on Machining Characteristics of Rotary
Ultrasonic Machine

AUTHOR/S : Dheeraj Joshi, Praveen Saraswat

JOURNAL : SKIT Research Journal, Vol 10 (2),
pp. 78-83, 2020

TITLE : Process Capability Analysis of Ball Bearing
Inner Race: A Case Study

AUTHOR/S : Sandeep Kumar Bhaskar, Deepak Agrawal,
Jay Prakash Bhamniya, Manoj Kumar Sain

JOURNAL : Industrial Engineering Journal, Vol. 14 (2),
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TITLE : Musculoskeletal Health Problems and
Relationship of Risk Factors Among Manual
Clay Brick Sector Workers

AUTHOR/S : Manoj Kumar Sain, M.L. Meena, G.S.
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JOURNAL : International Journal of Business and
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Photovoltaic Power Plant Using PVsyst

AUTHOR/S : Sumita, Ankit Agarwal, Praveen Saraswat

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Investigation, Numerical Simulation using
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Economic Analysis

AUTHOR/S : Chandan Kumar, Kunj Bihari Rana, Brajesh
Tripathi

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on Performance of CI Engine

AUTHOR/S : Chandan Kumar, Ankit Agarwal, Sushil
Surana

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Nitro methane as Oxygenated Additives for
Performance Improvement and Emission
Reduction of CI Engine: Experimental
Investigation and Numerical Simulation

AUTHOR/S : Chandan Kumar, Kunj Bihari Rana, Priyanka
Verma, Meghna Mahar,
Shyam Sundar Sharma

JOURNAL : Environmental Science and Pollution
Research, vol. 28, pp 3960-3971, 2020

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Parameters on the Performance of Latent
Heat Thermal Energy Storage

AUTHOR/S : Sanjay Choudhary, Dinesh Kumar Sharma,
Brij Mohan Sharma, Shubham Sahu

JOURNAL : SKIT Research Journal, Vol 10(2), pp. 97-102,
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

TITLE : Design of Phased Array Multiple Beam
Microstrip Antenna with Beam Steering for
5G Applications

AUTHOR/S : Harshal Nigam, Monika Mathur,
Mukesh Arora

JOURNAL : International Journal of TEST Engineering
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Page No. 672-685, July-Aug 2020.

TITLE : Hardware Implementation of IIR Antinotch
Filter for Protein Coding Regions
Identification in Eukaryotic Genes

AUTHOR : Vikas Pathak

JOURNAL : International Journal of Circuit Theory
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TITLE : Resonator based Broadband Planar Antennas on Left-Handed Metamaterials
AUTHOR/S : Shubhi Jain, Richa Sharma
JOURNAL : International Research Journal of Engineering and Technology (IRJET),ISSN No. 2395-0056, Volume 7, Issue 7, July 20, <https://www.irjet.net/archives/V7/i7/IRJET-V7I7942.pdf>

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AUTHOR : Richa Sharma
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AUTHORS : Monika Mathur, Harshal Nigam, D. Mathur, G. Singh, S. K. Bhatnagar, Mukesh Arora
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AUTHOR/S : Shalini Shekhawat

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AUTHOR(S) : Dr. Sarfaraz Nawaz, Arti Gupta

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TITLE : Design and Simulation of Improved Particle Swarm Optimization based Maximum Power Point Tracking System for Solar Photovoltaic System under Variable Irradiance Condition

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TITLE : Synthesis and Evaluation of Reduced Graphene Oxide for Supercapacitor Application
AUTHOR/S : Rishi Vyas
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AUTHOR/S : Nidhi Sharma
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AUTHOR/S : Anupriya Singh, Shipra Malik, Krishna Sharma

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AUTHOR/S : Anupriya Singh
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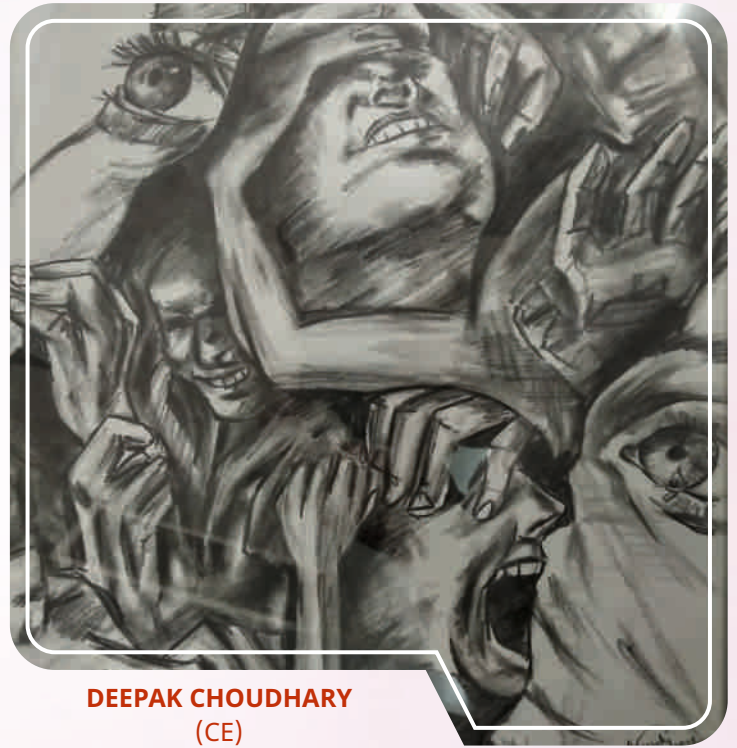
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AUTHOR : Ona Ladiwal
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सृजन

- माँ के लिए -

वो मुझको कभी नहीं बताएँगी
कि मेरे दूर चले जाने से
उनको मेरी याद आएगी
कभी फोन पे बात हो जाएगी
तो यही जताएँगी,

कुछ नहीं रखा इन सब में
तुम अपने लक्ष्य को देखो
आफत कि हर घड़ी, रूँही बीत जाएगी
तुम्हारे बिना हम अधूरे हैं माँ
हर कदम, हर मोड़, हर राह पर
तेरी याद सताएगी ।

दुनिया की इस भीड़ में, तू ही वो शख्स है ।
जो साया बन साथ, नजर आएगी ।

हर समस्या का मिलेगा हल
और थकान भी दूर हो जाएगी,
जब मेरी माँ,
मुझे प्यार से सहलाएँगी ।

अंकिता शर्मा
द्वितीय वर्ष, विद्युतीय अभियांत्रिकी

- शहीद -

तुम्हारी पूजा तो ना की है हमने कभी,
ना तुम्हारे नाम के मंदिर कहीं बनाए हैं!
मगर तुम्हारे इस जज्बे को देख,
खुदा ने भी तुम्हारे सामने सर झुकाए हैं!!

जब भी दुश्मनो के कदम बढ़े हमारी और,
तुम हमारे लिए सरहदों पर लड़ने पहुँच गए!
एक बार भी ना सोचा तुमने खुदके बारे में,
तुम हमारे लिए मुस्कुराकर मरने पहुँच गए!!
कितनी खुशनुसीब रही होगी वो माँ भी,
जिसने तुम जैसे बेटे को जनम दिया!
जिस बेटे ने एक बार भी ना खयाल किया अपना,
जिस बेटे ने देश के लिए हर जख्म सिया!!

दुआएँ पढ़ी होगी उस मिट्टी ने भी,
जिसमें शामिल तुमने अपना खून किया!
कर्ज कैसे अदा करेगा वो देश तुम्हारा,
जिसके लिए तुमने शहीद का दर्जा लिया
सारा खून बहा दिया पानी की तरह तुमने,
मगर फिर भी तुम दुश्मनों से सामने अड़े रहे!
हम अपने घरों में चैन से इसलिए तो सो सके,
व्युँकि तुम हमारे लिए सरहदों पर खड़े रहे!!

आसमान भी शोक में डूबा होगा उस वक्त,
जब वो आखरी जख्म तुमने सीने पे खाया होगा!
भगवान भी उस रोज जम के रोया होगा,
जब वो तुम्हें लेने जमीन पर आया होगा!!

कोई तकलीफ हमें तुमने कभी आने नहीं दी,
तुम हर बार हँसते हुए हमारा हाथ थामने आ गए!
जब भी गोलियाँ हमें छूने को आगे बढ़ी,
तुम हमेशा अपना सीना लेकर हमारे सामने आ गए!!

उस बाप की छाती चोड़ी हुई होगी,
तुम्हारे जैसे बेटे को कंधा देते हुए!
एक बार भी ना थमे पाँव जिसके,
अपने देश के लिए मरते हुए!!

वो फूल जो चढ़ाए होंगे तुमपर,
वो फूल भी चढ़ते वक्त रोए तो बहुत होंगे!
कैसे चुकाएगी ये मिट्टी कर्ज तुम्हारा,
उस मिट्टी ने भी तो ख्वाब संजोए बहुत होंगे!!

“
EDUCATION IS THE
MOST POWERFUL
WEAPON WHICH YOU
CAN USE TO CHANGE
THE WORLD.”

देश की हर बहन यही दुआ पढ़ेगी अब,
तुम जैसा ही एक भाई पाने को!
जिसे शिकायत बस यही रही खुदा से,
की एक जिंदगी तो बहुत कम है देश पर लुटाने को!

ना जाने कौसी मोहल्लत थी तुम्हें जमीन-ए-हिंद से,
वरना कोई आखिर ऐसा भी करता है क्या!
यूँ तो और भी लोग है दुनिया में लेकिन,
कोई किसी के लिए ऐसे भी मरता है क्या!!

तुम्हारा ये एहसान कभी चुका तो ना सकेंगे हम,
पर हर रोज तुम्हारे नाम की दुआएँ जरूर पढ़ेंगे हम!
जो तुमने किया हमारे लिए ऐसा कोई करता है क्या,
तुम्हें जिंदगी में कभी भी भूल ना सकेंगे हम!!

पार्थ
प्रथम वर्ष, यांत्रिकी अभियांत्रिकी

“

- मैंने देखा है -

इस गिरती हुई दुनिया में, मैंने एक सहारे को देखा है,
इस भागती हुई भीड़ में मैंने पापा आपको देखा है,
रात-एक करके अपने परिवार को पालते देखा है,
मम्मी को अपने हाथों से खाना खिलाते हुए देखा है,
मैंने दुनिया के सबसे अच्छे पिता को देखा है,

हर बार बाज़ार से मेरे लिए कुछ लाते हुए देखा है,
बिना कहे मेरी हर माँग पूरे करते हुए देखा है,
मेरे लिए महँगी से महँगी चीजें खरीदते हुए देखा है,
खुद की पाँच साल पुरानी जीन्स को भी नया कहते हुए देखा है,
मैंने दुनिया के सबसे अच्छे पिता को देखा है ।

कभी अमिताभ के शब्दों को दोहराते हुए देखा है,
तो कभी मुकेश के गीतों को गाते हुए देखा है,
मैंने मेरे मस्त रहने वाले पिता को देखा है ।

मम्मी से डाँट पड़ने पर, हमें पीछे से हँसाते हुए देखा है,
हमारी ज़िद पूरी करने के लिए, मम्मी से लड़ते हुए देखा है,
मैंने दुनिया के सबसे अच्छे पिता को देखा है ।

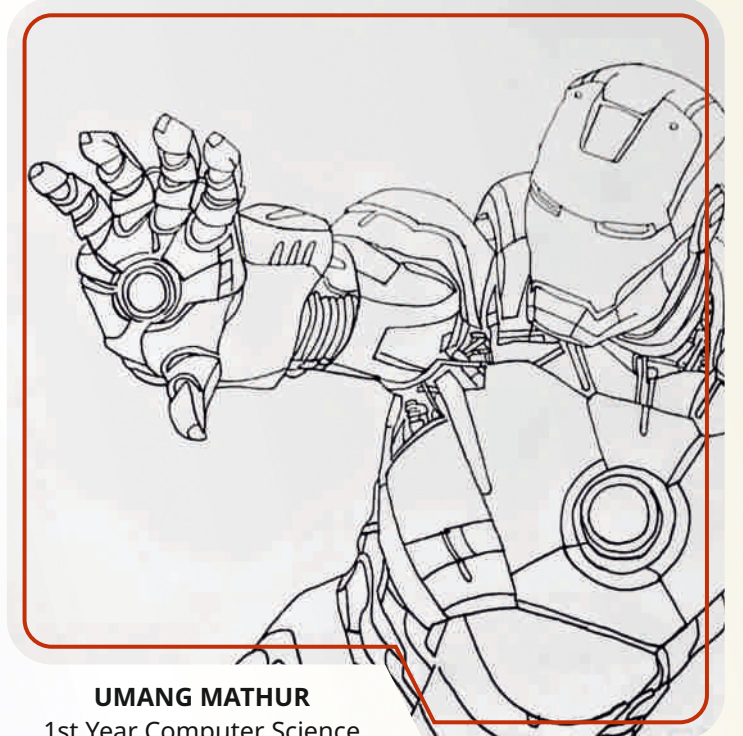
तमन्ना शर्मा
कम्प्यूटर यांत्रिकी

- पाओगे -

द्वेष, वैर, क्रोध भाव में घुलकर,
कटुता जीवन में पाओगे।
दूसरों की बातों में आकर अक्सर,
रिश्ते में दरार ही पाओगे।
गैरों का आंखों पर चश्मा लगाके,
दुनिया में खुद को वैसा पाओगे।
कानों में घुला गैरों की बातों का जहर,
खुद से जुदा हुआ पाओगे।
अगर सच को सही जाना तुमने,
महका हुआ जीवन पाओगे।
“मेरे जीवन में अच्छा क्या है ?
“खुद से सवाल कर,
दुनिया को गुलजारनुमा पाओगे ।

लोकेश कुमार टेलर
तकनीकी सहायक
यांत्रिकी अभियांत्रिकी विभाग

“



UMANG MATHUR
1st Year Computer Science

Poems

- WHAT IS MISSING IN MY LIFE? -

Sometimes I feel of missing something,
Although there is nothing at all missing in my life.

Sometimes I feel of missing one special hug,
Although there are innumerable people

Supporting me in time of need.
Sometimes I feel of missing one exceptional smile,
Although there are many people bursting to laugh
In my surrounding.

Sometimes I feel of missing that special call or text,
Although my phone doesn't stop ringing
Until its battery gets exhausted.

Sometimes I feel of missing that rebuke
concocted with affection,

Although I've many friends scolding on my deeds.
Sometimes I don't understand what I'm missing in my life,

But, when I do realize
What I'm missing in my life, it's YOU.

AKASH DEO

Astt. Profesor - Electrical Engineering



YOU CAN ALWAYS
do more
THAN YOU THINK YOU CAN

- NEVER ENDING DREAMS -

Our Dreams are never ending
they are not few,

So stop wasting time anymore, there is so much do.
Don't sit behind with folded hands any more,

Brand new opportunities are knocking your door.
Get up, walk outside and

Start moving towards your goals,
don't be scared even if your pocket is filled with holes.

Even if your dreams are never ending, and ideas are few,
Have you do home the capability to make them come true.

SAURABH SINGH PAWAR

Semester Branch - C.S



- WAXING AND WANING -

Of all the stars you count, Quoting for the flash they own,
Tell me for once, would you? Am I nothing but a mere stone?

No I don't set myself ablaze, I'd rather choose to wane;
Waxing for the sole purpose of Being embraced by Sun again.

Homage paid to my fullest self, You bow as the waters rise,
But soon midnight unveils My scars out of sheer despise.

On my own, with the glow I owe, I see it all, I see you gone,
Aiming to sleep the night away 'til the awaited break of dawn.

Forgetting me in the wake of light, You reason that I leave?
But some days beyond the rise, I'd tell you, I linger,
if you believe.

SIDDHI SAXENA

Electronics and Communication Engg.
2nd Year's

CONTEMPLATION FOR TARGET OXYGEN SATURATION IN COVID - 19 PATIENTS: ARE WE UNDER SHOOTING?

When does a Covid-19 patient need oxygen support?

A small proportion of Covid-19 patients need oxygen support, when shortness of breath progresses to a more acute condition. Most patients with Covid-19 have a respiratory tract infection, and in the most severe cases their symptoms can include shortness of breath. In a small proportion of such cases, this can progress to a more severe and systemic disease characterised by Acute Respiratory Distress Syndrome (ARDS).

How many symptomatic people now require oxygen?

In India, as of April 2021, 1.75% of the patients were in ICU beds, 0.40% were on ventilator, and 4.03% were occupying oxygen beds. Since the total active cases have now risen to 20,31,977, the number of patients requiring oxygen beds is significant. According to members of the national Covid-19 task force, hospital data shows that a significant 54.5% of hospital admissions during the second wave required supplemental oxygen during treatment. This was a 13.4-percentage-point increase compared to the previous wave between September and November; the data from 40 centres across the country shows. However, requirement of mechanical ventilation dropped during the second wave: to 27.8% of admitted patients from 37.3% during the first wave. (The Indian Express)

What are the alternative sources of oxygen generation?

The current target oxygen saturation ranges for patients with COVID-19 recommended by the National Institutes of Health is 92–96%. Indian Institute of Science Education and Research (IISER) has been launched “Oxycon Oxygen Concentrator” which is used for making oxygen from environment. It is light in weight and portable. It can also work approx. 3 hours. Oxygen concentrators can help buy crucial time in the initial phases of COVID-19, when the patient’s oxygen levels drop. We can also make oxygen: When we add the potassium permanganate, it reacts with the hydrogen peroxide to produce oxygen in small pockets. It can be prepared in any shape of bottle but control measurement should be kept in mind.

STAY HOME STAY SAFE

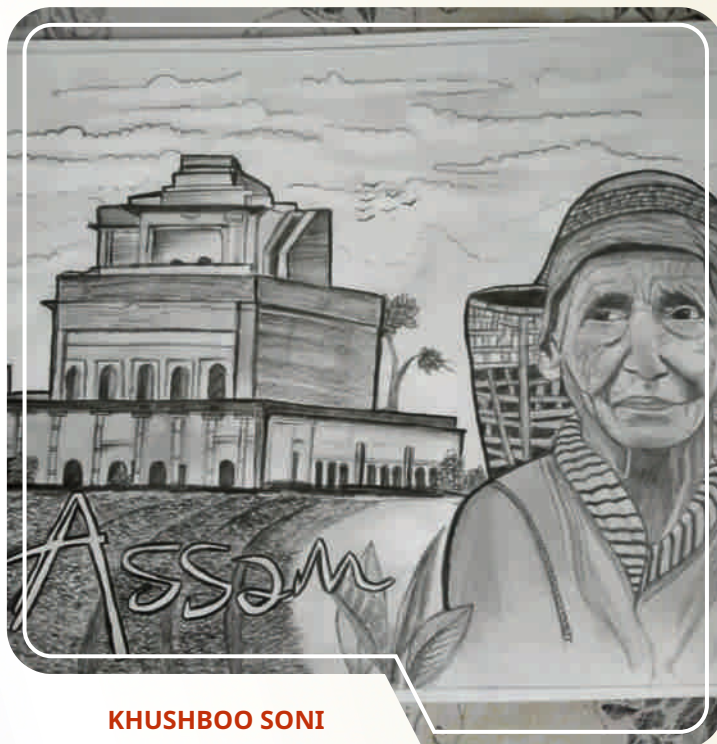
Reference: - Indian Institute of Science Education and Research (IISER), The Indian Express, Rajasthan Patrika News.

SAURABH SINGH

Asst. Professor, Civil Engineering



TRIVI JAIN
1st Year Computer Science



KHUSHBOO SONI

Shoot for the
moon.
Even if you miss,
you'll land among the
stars.



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