



**SWAMI KESHVANAND INSTITUTE
OF TECHNOLOGY, MANAGEMENT
& GRAMOTHAN, JAIPUR**

शार्दीय अंक 46-47



BY
RAJASTHAN TECHNICAL
UNIVERSITY (RTU), KOTA

CONSECUTIVELY FOR 4th YEAR



**SWAMI KESHVANAND INSTITUTE OF
TECHNOLOGY, MANAGEMENT & GRAMOTHAN**

*Approved by AICTE, New Delhi | Engineering Branches Accredited by NBA & IE(I)
Affiliated to Rajasthan Technical University, Kota*

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**SKIT
TIMES**

2021



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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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SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN

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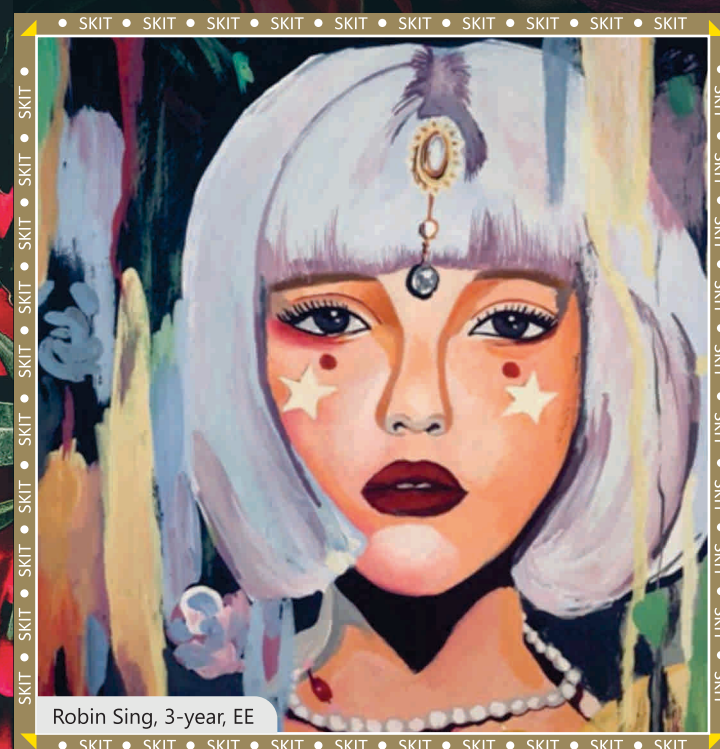
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THE EDITOR SPEAKS

LET US GREET EACH OTHER NOT JUST FOR THE NEW YEAR, BUT FOR A NEW DECADE!!

Beginning of a new decade is a marked an opportunity to open ourselves up to hope, and to dream in a bigger format. The decade did not start the way we had hoped or dreamed about. 2020 turned out to be a very difficult year. At the beginning of the year, we were confronted by the outbreak of COVID-19. At the end of the year, we witnessed the efforts and hard work done by humanity to overcome these challenges and kept moving. We have come to the threshold of an entirely new beginning once again. Whatever did not work last year will get a new kickstart; whatever held us back will be left behind; the fears and inhibitions that ruled over our souls will have to look for some other shelter. Life is a journey in which we face many heartaches and many joys which make our heart rejoice. It is not a destination for happiness or sadness, but a continuous

journey which we need to experience every moment. We will certainly not talk about what we lost in the bygone year, rather will focus on what can be achieved the coming year. I am reminded of the famous quote by Lao Tzu that beautifully describes the essence of sunshine called hope. It says, "What the caterpillar calls the end the rest of the world calls a butterfly."

So, Let's be hopeful, let's be charismatic, let's embrace this new beginning!

Krishna Sharma
Editor-in-chief.

NEWS FLASH

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

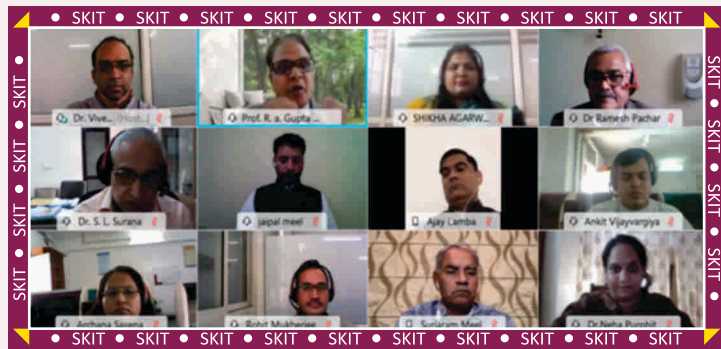


Photo-frame of Orientation Programme

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 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.

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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.

INDEPENDENCE DAY CELEBRATED

Independence Day was celebrated on 15 August 2020, in the campus as per the tradition of our institute. Prof. S.L. Surana, Director Academics, Prof. Ramesh Pachar, Principal, faculty members and the staff graced the occasion. Prof. S.L. Surana, Director Academics, hoisted the tri-color in the central lawn which was followed by National Anthem. All the guidelines of COVID-19 were followed during the function.



Anshika Singhvi

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

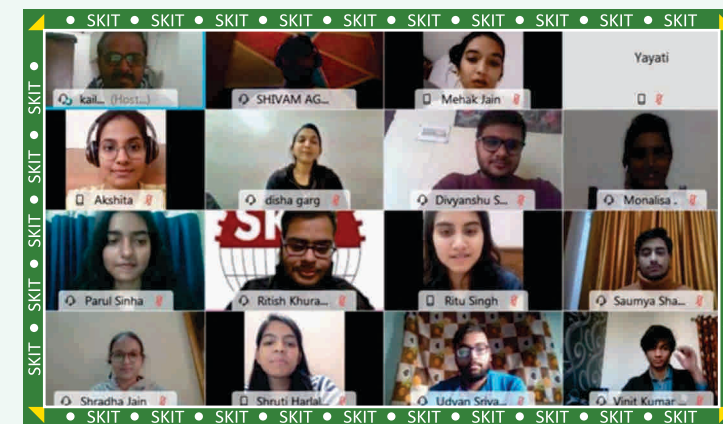


Photo-frame of Competition Organized

projects/works with complete 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 itand introduce them to college services which support their educational, personal goals and introduce



Photo-frame of the programme

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.

“TEACHER'S DAY” CELEBRATION

An online short video event was conducted by the students of ECA Core Team as a tribute to the teachers on 5th September 2020, on the occasion of “Teacher's Day”. The event, strictly for SKIT students only, was organized to commemorate the birth anniversary of Dr. Sarvapalli Radha krishnan. Mesmerizing videos were created for expressing gratitude towards teachers. E-certificates were also issued to all the participants. The event was conducted by Shivam Agarwal, Mansi Pareek, Shruti Harlalka, Mehak Jain, Vinit Kumar Shah, Yayati, Eshita Goyal, Ritish Khurana under the supervision of Mr. Kailash Soni, Chief Coordinator ECA.

THE CRYPTEX” - TREASURE HUNT COMPETITION

An online treasure hunt competition “Cryptex”, strictly for SKIT students only, was organized by ECA cell on 25October 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 reasoningrespectively- 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 byShivam Agarwal, Mansi Pareek, Shruti Harlalka, Mehak Jain, Vinit kumar Shah, Yayati, Eshita Goyal, Ritish Khurana.

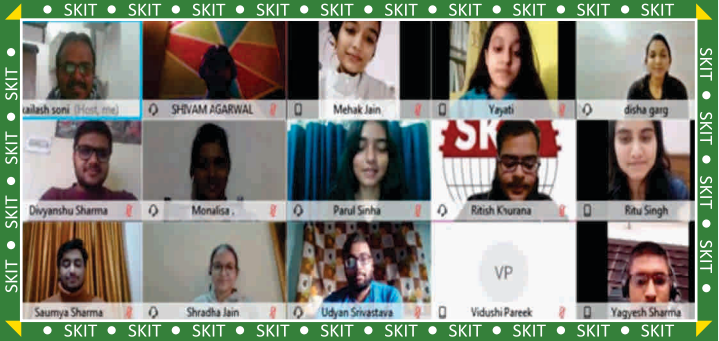


Photo-frame of the programme

DEPARTMENTS OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

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 Jikhnariya, (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.

FDPON “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 23to 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.

STUDENT WORKSHOP ON “DATA SCIENCE & ANALYTICS”

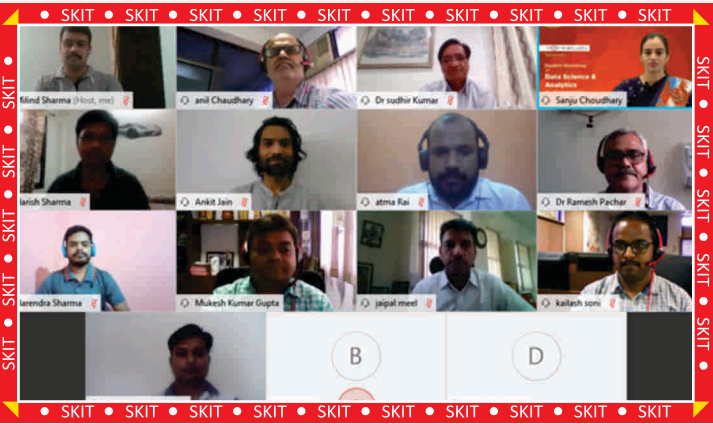
To create industry ready engineers and achieve the educational goals, the departments of Computer Science and Engineering and Information Technology of SKIT, under the aegis of RTU, Kota jointly organized a TEQIP-III RTU(ATU) sponsored Student Workshop on “Data Science & Analytics” from August 11 to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

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



Glimpse of the Inaugural ceremony

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).

APPRECIATION CERTIFICATE AWARDED

Appreciation certificate Appreciation certificate has been awarded to Ms. Palkia Jajoo by NPTEL for Mentoring Students for the Course “Problem Solving Through Programming in C”.

BOOK EDITED

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

WORKSHOP ORGANISED

TITLE : Android: A Practical Approach to Develop Mobile Apps
DATE : 11 to 20 September 2020
ORGANIZED BY : RTU TEQUIP-III and SKIT, Jaipur.

PAPERS PRESENTED IN CONFERENCES/ SEMINARS

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

TOPIC : 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/ mooKIT /IITBX/ SWAYAM / 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 (Getting Started with Python)
COMPLETED BY : Nidhi Srivastav
DURATION&CATEGORY : Coursera, 7 week, 2 June 2020- University of Michigan

FACULTY DEVELOPMENT PROGRAMS ATTENDED

TITLE : Predictive Analysis using Artificial Intelligence
DATE : 2to 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

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

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 to13 June 2020
ORGANIZED BY : K. J Somiya Institute of Engineering & Information Technology, Mumbai
ATTENDED BY : Nikhar Bhatnagar

TITLE : Perl Scripting
DATE : 10 to14 June 2020
ORGANIZED BY : CSE Department, Lords Institute of Engineering and Technology
ATTENDED BY : Nikhar Bhatnagar

| | | | |
|--------------|---|--------------|---|
| TITLE | : Machine Learning for Computer Vision | DATE | : 21 to 23 September 2020 |
| DATE | : 29 June to 8 July 2020 | ORGANIZED BY | : RTU TEQIP-III and Poornima College of Engineering, Jaipur |
| ORGANIZED BY | : Electronics & ICT Academies, Ministry of Electronics and Information Technology, Government of India. | ATTENDED BY | : Priyanka Sharma |
| ATTENDED BY | : PalikaJajoo | TITLE | : Deep Learning for Medical Data Analysis |
| TITLE | : Blended and Flipped Approach in Teaching | DATE | : 20 to 24 December 2020 |
| DATE | : 24 to 28 August 2020 | ORGANIZED BY | : SKIT, Jaipur&RTU TEQIP-III |
| VENUE | : National Institute of Technical Teachers' Training and Research, Chennai | ATTENDED BY | : Priyanka Sharma |
| ATTENDED BY | : Nidhi Srivastav | TITLE | : Nurturing Morals, Work Ethics & Accountability for Technical Teachers |
| TITLE | : Online Teaching and Learning (ATAL online FDP) | DATE | : 7to 19 December 2020. |
| DATE | : 17 to 21 August 2020 | VENUE | : Velagapudi Ramakrishna Siddhartha Engineering College Vijayawada. (AICTE sponsored) |
| VENUE | : Motilal Nehru National Institute of Technology Allahabad, | ATTENDED BY | : Priyanka Bhardwaj |
| ATTENDED BY | : Nidhi Srivastav | TITLE | : Python Programming |
| TITLE | : Student-Centered Teaching Methods and Strategies in Higher Education | DATE | : 2to 6 December 2020 |
| DATE | : 10 to 14 August 2020 | VENUE | : Arya Institute of Engineering and Technology, RTU (TEQIP-III) |
| VENUE | : SKIT Jaipur (TEQIP-III sponsored FDP) | ATTENDED BY | : Priyanka Bhardwaj |
| ATTENDED BY | : Nidhi Srivastav | TITLE | : AI & Deep Learning |
| TITLE | : Data Analytics with Python | DATE | : 30 November to 5 December 2020. |
| DATE | : 22 to 26 June 2020 | VENUE | : B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, Tamilnadu.(AICTE sponsored) |
| VENUE | : Department of CSE, NITTTR Chandigarh (AICTE Recognized) | ATTENDED BY | : Priyanka Bhardwaj |
| ATTENDED BY | : Nidhi Srivastav | TITLE | : Cloud Technology |
| TITLE | : Machine Learning | DATE | : 2 to 6 November2020. |
| DATE | : 1 to 5 JUNE 2020 | VENUE | : Govt.Engineering College, Gandhinagar, Gujrat (ATAL Academy) |
| VENUE | : Department of CSE and IT, J.B. Institute of Engineering & Technology, Hyderabad | ATTENDED BY | : Priyanka Bhardwaj |
| ATTENDED BY | : Nidhi Srivastav | TITLE | : Blockchain & its Applications |
| TITLE | : Emerging Applications on Deep Learning | DATE | : 15 to 19 September2020. |
| DATE | : 8 to 12 June 2020 | VENUE | : PIET, Jaipur (TEQIP Sponsored) |
| VENUE | : Department of CSE and IT, Raja Rajeswari College of Engineering, Bangalore. | ATTENDED BY | : Priyanka Bhardwaj |
| ATTENDED BY | : Nidhi Srivastav | TITLE | : Machine Learning and Smart Electronics System |
| TITLE | : Machine Learning and Smart Electronic System | DATE | : 15 to 19 September2020. |
| DATE | : 3 to7 September 2020 | VENUE | : PIET, Jaipur (TEQIP Sponsored) |
| ORGANIZED BY | : RTU TEQIP-III and SKIT, Jaipur | ATTENDED BY | : Priyanka Bhardwaj |
| ATTENDED BY | : Priyanka Sharma | TITLE | : Cyber-Physical Systems |
| TITLE | : Container Orchestration and Automation in Software Development using Kubernetes and Open Shift | DATE | : 7 to 11 November2020. |
| DATE | | VENUE | : IIT,Pune(ATAL Academy) |
| ATTENDED BY | | ATTENDED BY | : Priyanka Bhardwaj |

SHORT TERM TRAINING PROGRAM (STTP) 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 ponsored) |
| 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 | : Artificial Intelligence and Deep Learning Techniques |
| DATE | : 30November to 5 December 2020 |
| ORGANIZED BY | : B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, Tamilnadu |
| ATTENDED BY | : Nikhar Bhatnagar |

WORKSHOPS ATTENDED

| | |
|--------------|--|
| TITLE | : IEEE Reference Management Tools for Research Articles and Thesis Writing |
| DATE | : 20May 2020. |
| ATTENDED BY | : Mehul Mahrishi |
| ORGANIZED BY | : IEEE Bangalore Section Researchers |

| | |
|--------------|---|
| TITLE | : Paython 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 | : 6June 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 |

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 June2020 |
| ORGANIZED BY | : DON BOSCO Institute of Technology, Kumbalagodu, Bengaluru |
| ATTENDED BY | : Nikhar Bhatnagar |

| | |
|--------------|---|
| 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 |

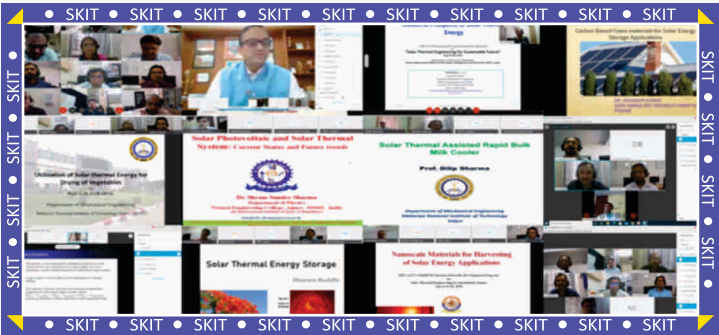
| | |
|--------------|---|
| TITLE | : User Experience and Interaction Design |
| DATE | : 6 June, 2020 |
| ORGANIZED BY | : K. Ramakrishnan College of Engineering, Tiruchirappalli |
| ATTENDED BY | : Nikhar Bhatnagar |

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



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. 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-



Solar Thermal Engineering For Sustainable Future

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 Kumarfrom Guru Nanak Dev Technical University, Amritsar, Punjab, presented his research on the carbon-based nanomaterials 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 secondsession, 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 thenano-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 to11 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.



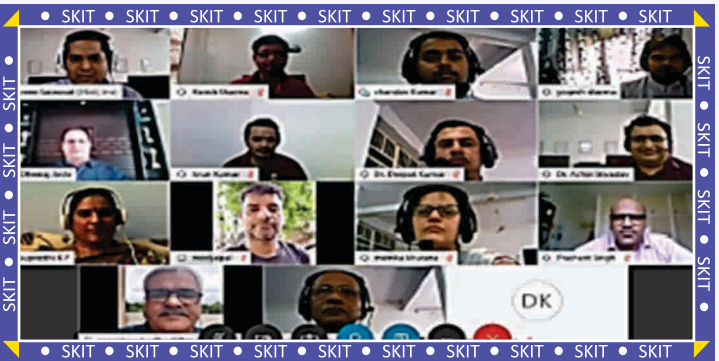
Solar Thermal Engineering For Sustainable Future

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-dayworkshop 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



Solar Thermal Engineering For Sustainable Future

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.

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.

BOOK CHAPTER PUBLISHED

| | |
|-----------|---|
| TITLE | : Dynamic Balancing of Planar Mechanisms using Non-Dominated Sorting Jaya Algorithm |
| AUTHORS | : Prem Singh, Ramanpreet Singh, Himanshu Chaudhary |
| PUBLISHER | : CRC Press (Taylor and Francis), (2020), ISBN: 978177188889. |

SESSION CHAIRED

| | |
|--------------|--|
| SESSION ON | : Web-Hack and HR Conclave: Recruitment and Technology 4.0 |
| CHAired BY | : Ajay Kumar Dhanopia as a Jury Member |
| DATE & VENUE | : 28 to 29 September 2020, SKIT, Jaipur in association with RTU, Kota. |

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) |
| REVIWER | : Chandan Kumar |
| JOURNAL | : Environmental Science and Pollution Research (Springer), 2020 |

PAPERS PRESENTED IN CONFERENCE

| | |
|------------|---|
| TOPIC | : 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. |

| | | |
|------------|---|--|
| TOPIC | : | 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 Applications (iCADMA 2020) Sponsored by SPARC, MHRD & TEQIP-III, NIT Uttarakhand held at MNIT Jaipur. (5 to 6 November, 2020) |
| TOPIC | : | An Analysis of Critical Success 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) |

NPTEL / mooKIT / IITBX / SWAYAM/ 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 Thermodynamics - 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

| | | |
|--------------|---|---|
| TOPIC | : | Solar Thermal Engineering for Sustainable Future |
| ATTENDED BY | : | Dinesh Kumar Sharma, Chandan Kumar |
| ORGANISED BY | : | Department of ME, SKITin association with RTU (ATU) TEQIP III |
| DATE | : | 24 to 28 August 2020 |
| TOPIC | : | 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 |
| TOPIC | : | 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 |
| TOPIC | : | 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 | : | 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 | : | Aatmnirbhar Bharat: Encourage Enterprise in Rural Communities and Rural Regions |
| DATE | : | 4 to 6 August 2020 |
| VENUE | : | SKIT Jaipur |
| ATTENDED BY | : | Achin Srivastav, Deepak Kumar |

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|-------------|---|--------------------------------------|
| 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 |

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|--------------|---|---|
| TOPIC | : | 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) |

| | | |
|--------------|---|---|
| TOPIC | : | 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 |

| | | |
|--------------|---|--|
| TOPIC | : | 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 |

| | | |
|--------------|---|--|
| TOPIC | : | Solar Thermal Engineering for Sustainable Future |
| DATE | : | 24 to 28August 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 |

| | | |
|--------------|---|---|
| TOPIC | : | 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 |

| | | |
|--------------|---|--|
| TOPIC | : | 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 |

| | | |
|--------------|---|--|
| TOPIC | : | Nanotechnology Based Green Energy Solution for Solar Cells |
| ATTENDED BY | : | Arun Beniwal |
| ORGANISED BY | : | SKIT Jaipur & RTU Kota (TEQIP-III Sponsored) |
| DATE | : | 10 to 14 September2020 |

TITLE : Artificial Intelligence & Data Analytics with MATLAB

DATE : 8 to 12 August 2020

VENUE : Shrinathji Institute of Technology & Engineering, Nathwara

ATTENDED BY : Deepak Kumar

TOPIC : Plc Programming and Industrial Interface

ATTENDED BY : Madhukar Kumar

ORGANIZED BY : St.Joseph Engineering College, Mangalore, Karnataka

DATE : 22to 24 June 2020

TOPIC : 3D Printing & Design

ATTENDED BY : Praveen Saraswat

ORGANIZED BY : Sathyabama Institute of Science and Technology

DATE : 24 to 28 August 2020

TOPIC : AICTE (ATAL) Online FDP on "FEM/CFD"

ATTENDED BY : Prem Singh

ORGANISED BY : Lakshmi Narain College of Technology, Bhopal, MP

DATE : 14 to 18 October 2020

TOPIC : AICTE (ATAL) FDP on "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

TOPIC : Ancient Indian Education System

ATTENDED BY : Amit Kumar Bansal

ORGANISED BY : NITTTR,Kolkata

DATE : 11 to 12 November 2020

TOPIC : Operations Management

ATTENDED BY : Saurabh Gupta

ORGANISED BY : Christian College of Engineering &Technology, Oddanchatram, Tamil Nadu

DATE : 5 to 9 October 2020

TOPIC : ATAL FDP on Electric Vehicles

ATTENDED BY : Saurabh Gupta

ORGANISED BY : Jawaharlal Nehru National College of Engineering, Shimoga

DATE : 2 to 6 November 2020

WORKSHOP ATTENDED

TITLE : Inculcating Universal Human Values in Technical Education

DATE : Oct 12-26, 2020

ATTENDED BY : Dinesh Kumar Sharma

ORGANISED BY : AICTE, New Delhi

TITLE : Deep Learning

DATE : 6June 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 : 7June 2020

ATTENDED BY : Achin Srivastav

ORGANIZED BY : School of Computer Science and Engineering, Jain Faculty of Engineer ingand Technology, Bangalore

TITLE : Effective Communication & Presentation Skills

DATE : 21-25 September 2020

ATTENDED BY : Arun Beniwal

ORGANIZED BY : SKIT Jaipur & RTU Kota (TEQIP-III Sponsored)

TOPIC : Outcome Based Education

WORSHOP

ATTENDED BY : Arun Beniwal

ORGANISED BY : Manipal University Jaipur

DATE : 22-26 June 2020

TOPIC : Digital Manufacturing using Autodesk Fusion 360

ATTENDED BY : Arun Beniwal

ORGANISED BY : ICT Academy, Chennai

DATE : 22 to 27 June 2020

TOPIC : Universal Human Values for Deeksha rambh

ATTENDED BY : Arun Beniwal

ORGANISED BY : NIT Patna

DATE : 21 to 25 September 2020

TOPIC : Research Methodology

ATTENDED BY : Madhukar Kumar

ORGANIZED BY : Pandit Deendayal Petroleum University Gandhinagar, Gujarat

DATE : 4to 7 May 2020

TOPIC : Cyber-physical Production Systems

ATTENDED BY : Praveen Saraswat

ORGANIZED BY : National Institute of Technology Andhra Pradesh.

DATE : 21 to 25 September 2020

TOPIC : 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 : 29to 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 : 15to 20 June 2020

ATTENDED BY : Chandan Kumar

ORGANIZED BY : Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh.

STTPS ATTENDED

TOPIC : 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

WEBINARS ATTENDED

TOPIC : Mathematical Modeling of Engineering Systems

ATTENDED BY : Dinesh Kumar Sharma

ORGANISED BY : Jai Naraian Vyas University, Jodhpur

DATE : 16 September 2020

TOPIC : 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

TOPIC : Mathematical Modeling of Engineering Systems

ATTENDED BY : Arun Beniwal

ORGANISED BY : MBM Jodhpur (TEQIP-III Sponsored)

DATE : 16 September 2020

TOPIC : Solar Cells: History, Technology, Innovation, and Progress

ATTENDED BY : Arun Beniwal

ORGANISED BY : JEC Jabalpur (TEQIP-III Sponsored)

DATE : 24 August 2020

TOPIC : Beyond Refrigerants: What's in Store after HFOs & Naturals?

ATTENDED BY : Arun Beniwal

ORGANISED BY : ASHRAE Rajasthan Chapter

DATE : 22 July 2020

TOPIC : CO2 Refrigeration and Heat Pumping Systems

ATTENDED BY : Arun Beniwal

ORGANISED BY : ASHRAE Rajasthan Chapter

DATE : 28 July 2020

TOPIC : Refrigeration & Air Conditioning using FLOWNEX Simulation Software

ATTENDED BY : Arun Beniwal

ORGANISED BY : IndiaSoft Technologies (P) Ltd., Pune

DATE : 31 July 2020

TOPIC : How to Find Health, Work, Life Balance Amid Pandemic

ATTENDED BY : Arun Beniwal

ORGANISED BY : SKIT, Jaipur & Pehla Sukh

DATE : 21 June 2020

TOPIC : MEMOIR: Reflections from Alumni

ATTENDED BY : Arun Beniwal, Amit Kumar Bansal, Vinay Singh Marwal

ORGANISED BY : SKIT, Jaipur

DATE : 11 July 2020

TOPIC : 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, PDPU, Gandhinagar, Gujarat

DATE : 8 June 2020

TOPIC : Perspectives on Plasma and Fusion Science and Technology

ATTENDED BY : Brij Mohan Sharma

ORGANIZED BY : School of Technology, PDPU, Gandhinagar, Gujarat

DATE : 12 August 2020

TOPIC : Research, Innovation & Entrepreneurship Opportunities in Covid-19 Scenario

ATTENDED BY : Madhukar Kumar

ORGANIZED BY : Pandit Deendayal Petroleum University Gandhinagar, Gujarat

DATE : 15 May 2020

TOPIC : Getting Job Ready for Post COVID Era

ATTENDED BY : Madhukar Kumar

ORGANIZED BY : Mc Graw Hill India

DATE : 21 May 2020

TOPIC : 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

TOPIC : The Economics of Pandemic

ATTENDED BY : Madhukar Kumar

ORGANIZED BY : Mc Graw Hill India

DATE : 28 May 2020

TOPIC : 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 : McGraw 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 : McGraw 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.

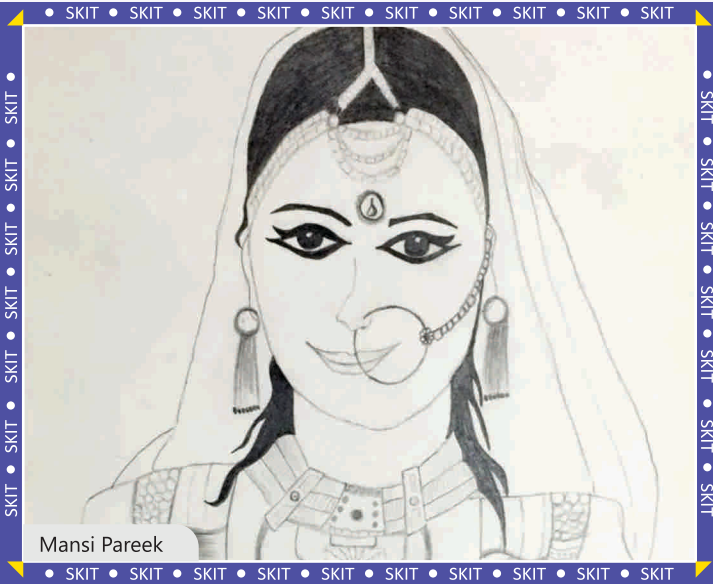
DATE : 10 June 2020

TITLE : Multi-criteria Decision-Making Technique in Research

ATTENDED BY : Chandan Kumar

ORGANIZED BY : UD, RTU, Kota.

DATE : 17 September 2020



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. 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

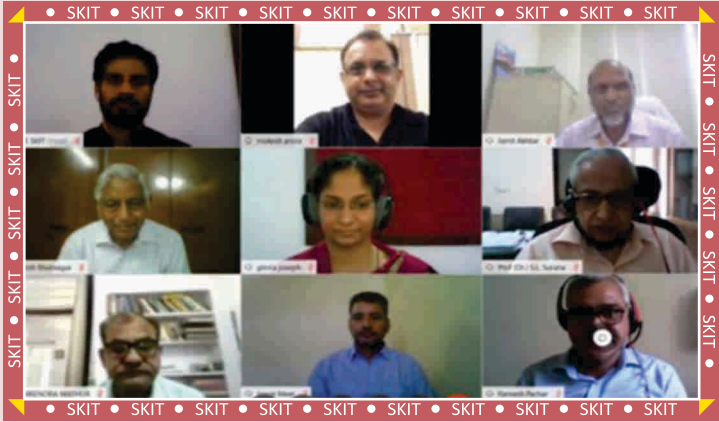


Photo-frame of the Program

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' (ETCS-2020),was jointly organized by RTU, Kota & SKIT, Jaipur from 14 to 18 September 2020.



Photo-frame of the Program

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. Ujjwalkalla 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 communicationDr. 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 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 'Nanotechnology Based Green Energy Solution for Solar Cells (NGESS-2020)'was jointly organized by RTU, Kota &SKIT, Jaipur from 10to 14September, 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 Nanomaterial 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. ChinmoySaha, in association with Dr. Debdeep Sarkar delivered an expert talk on Electromagnetic Energy. Dr. Prabhat Dwivedi, Centre for Nanosciences, 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 Metamaterials, followed by two enlightening sessions of Prof. Parag Bhargav, IIT Bombay and Dr. Rukhsar Zafar, Associate Professor, SKIT in the field of Ceramic Nanomaterials 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 Nanocrystalline 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 FDPon 'Embedded Systems and IoT'was jointly organized by RTU, Kota & SKIT,Jaipur from 4to 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 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 Techi 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 medicaland 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.



Photo-frame of the Program

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 21to 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).

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,

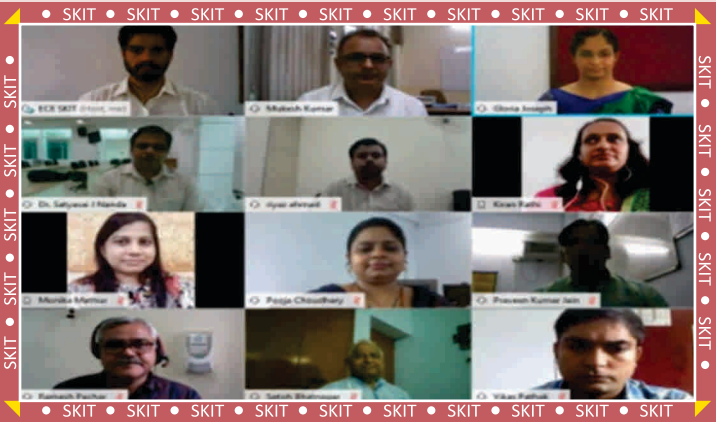
followed by an expert talk by Prof. Mohit Sinha, Professor BML Munjal University on the Basics of Embedded Systems. Mr. Saurabh Bhardwaj, Co-Founder, TechNesttook a hands-on practice session on Python 3.8 software. These sessions were convened by Mr. Saurabh Bhardwaj, and Mr. Ajay Godara, Director, Enovate Skills respectively. Feedback of the FDP was collated from the participants.



Photo-frame of the Program

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 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 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.



Photo-frame of the Program

Inauguration ceremony also witnessed the presence of Dr. S. K. Bhatnagar, Dr. Shubhi Jain, Dr. Monika Mathur, Dr. Swati Arora, Ms. Kiran Rath, 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 Metamaterials. 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. Metiya, Assistant Professor, NIT Arunachal Pradesh discussed about Optical Computing using Electro-Optic Effect. Dr. Umesh Tiwari, Principal Scientist, CSIR-CSIO, Chandigarh



Photo-frame of the Program

shed light on Recent Developments in Optical Fiber Amplifiers for Optical Communication. Dr. Vishvendra Singh, IIT Roorkee gave deep insights on Quantum Photocells and related technologies. This was followed by two brainstorming 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 Metamaterials 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/apperiodic 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. Nikhildeep 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. Nikhildeep 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 17October 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 Idiwai and Ms. Priyanka Sharma



Photo-frame of the Program

PAPERS PRESENTED IN CONFERENCES/ SEMINARS

| | | |
|------------|---|--|
| TOPIC | : | Photonic Crystal Cavities based Biosensors: 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 |
| TOPIC | : | 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,Jun-20,https://doi.org/10.1016/j.matpr.2020.06.103 |

| | | |
|------------|---|---|
| TOPIC | : | Design and Modeling of Ingaas/Gaassb Nanoscale He tero structure for Application of Optical Fiber Communication System |
| AUTHOR | : | J. P. Vijay |
| 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. 2020.05.097 |
| TOPIC | : | 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 |
| TOPIC | : | 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 |
| TOPIC | : | 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 |
| TOPIC | : | 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 |

| | | |
|------------|---|---|
| TOPIC | : | 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 |

FACULTY DEVELOPMENT PROGRAMS ATTENDED

| | | |
|-------------|---|--|
| TITLE | : | Accreditation- A tool for continuous improvement |
| DATE | : | 27 to 29 August 2020 |
| VENUE | : | JIET, Jodhpur |
| ATTENDED BY | : | Rajni Idiwai |
| 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 | : | 20to 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 | : | 3to 5 September 2020 |
| VENUE | : | SKIT, Jaipur & RTU, Kota |
| ATTENDED BY | : | Swati Arora, Mamta Jain, J. P. Vijay,Manju Choudhary, Shubhi Jain, Rajni Idiwai, Neeraj Jain, Richa Sharma, Abhinandan Jain, Rahul Pandey, Priyanka Sharma, Mr. Lalit Lata |
| TITLE | : | Emerging Tools and Techniques in Communication Systems (ETTCS-2020) |
| DATE | : | 14 to 18 September 2020 |
| VENUE | : | SKIT, Jaipur & RTU, Kota |
| ATTENDED BY | : | Swati Arora, Vikas Pathak, Mamta Jain, J. P. Vijay. Manju Choudhary, Shubhi Jain, Rajni Idiwai, Neeraj Jain, Ravi Jangid,, Abhinandan Jain, Rahul Pandey, Pooja Choudhary. Priyanka Sharma, Lalit Lata |

| | | |
|-------------|---|---|
| TITLE | : | Emerging Trends in Nano-Electronics (ETNE 2020) |
| DATE | : | 21 to 25 September 2020 |
| VENUE | : | SKIT, Jaipur & RTU, Kota |
| ATTENDED BY | : | Swati Arora, Vikas Pathak,Mamta Jain, Manju Choudhary, Neeraj Jain, Richa Sharma, Ravi Jangid, Pooja Choudhary, Lalit Lata |
| TITLE | : | Emerging Trends in Organic Electronics (ETOE-2020) |
| DATE | : | 27 to 29 July 2020 |
| VENUE | : | SKIT, Jaipur & RTU, Kota |
| ATTENDED BY | : | Swati Arora, Mamta Jain, J. P. Vijay, Manju Choudhary, Rajni Idiwai, Neeraj Jain, Pallav Rawal, Ravi Jangid, Abhinandan Jain, Gloria Joseph, Pooja Choudhary |
| TITLE | : | Nano technology Based Green Energy Solution for Solar Cells (NGESS-2020) |
| DATE | : | 10 to 14 September 2020 |
| VENUE | : | SKIT, Jaipur & RTU, Kota |
| ATTENDED BY | : | Swati Arora, Mamta Jain, J. P. Vijay, Shubhi Jain, Rajni Idiwai, Neeraj Jain, Richa Sharma, Abhinandan Jain, Rahul Pandey, Gloria Joseph, Pooja Choudhary, Lalit Lata |
| TITLE | : | Embedded Systems and IOT |
| DATE | : | 27 July to 7 August 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 | : | SKIT, Jaipur & RTU, Kota |
| ATTENDED BY | : | Vikas Pathak |
| TITLE | : | Artificial Intelligence and Machine Learning in Healthcare |
| DATE | : | 13 to 24 July 2020 |
| VENUE | : | SKIT, Jaipur |
| 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 : Perspectives on The Past, Present and Future of Advanced Materials
DATE : 26 to 28 August 2020
VENUE : TCE, Karnataka
ATTENDED BY : Mamta Jain

TITLE : Student Induction on UHV
DATE : 19 to 23 August, 2020
VENUE : AICTE
ATTENDED BY : Mamta Jain

TITLE : Internet of Things (IoT)
DATE : 5 to 9 October 2020
VENUE : ATAL Academy
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 : Applications of Mathematical Modeling in Science and Engineering
DATE : 25 to 27 July 2020
VENUE : VIT, Jaipur
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 : Wireless Communication Technologies for IoT
DATE : 27 July to 7 Aug, 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 October2020
VENUE : AICTE
ATTENDED BY : Priyanka Sharma

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 Microcontroller
DATE : 28 June to 7 July 2020
ATTENDED BY : Priyanka Sharma
ORGANIZED BY : EdGate Technologies Pvt Ltd Bangalore under Texas Instruments India University Program.

TITLE : Metamaterials & 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 Idiwai,
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 : 1to 5October 2020
ATTENDED BY : Abhinandan Jain
ORGANIZED BY : MNIT, Jaipur

TITLE : Virtual Labs: Hands on workshop
DATE : 18 July2020
ATTENDED BY : Abhinandan Jain
ORGANIZED BY : IIT Bombay

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 : 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

TITLE : Adapting Yourselves in IT and Surviving with the Technology Updates
DATE : 21 July 2020
ORGANISED BY : IICFxec, 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 of Satellite Images
DATE : 29 August 2020
ORGANISED BY : SKIT, Jaipur
ATTENDED BY : Pooja Choudhary

WEBINAR ORGANIZED

TITLE : Blockchain Applications for Health Care: State of the Art and Future Directions.
DATE : 2 September2020
ORGANIZED BY : MukeshArora, Monika Mathur, Harshal Nigam

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

NPTEL / mooKIT / IITBX /SWAYAM/ COURSERA COURSES COMPLETED

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

SESSION CHAIRED

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

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

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

EXPERT TALK DELIVERED

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

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

ACHIEVEMENTS

Dr. Monika Mathur appointed as "Treasurer "in IETE society of Rajasthan Sub-section.

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 penetration of

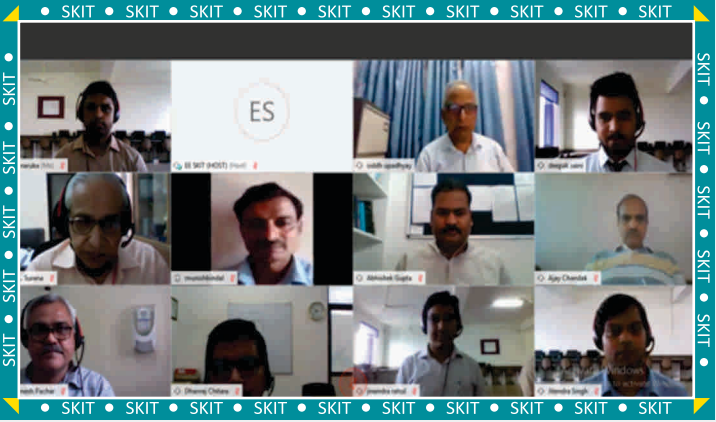


Photo-frame of the Program

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.

EXPERT TALK BY Mr. YASHPAL CHOUDHARY

An expert talk on 'Commissioning Procedure of EHV Power

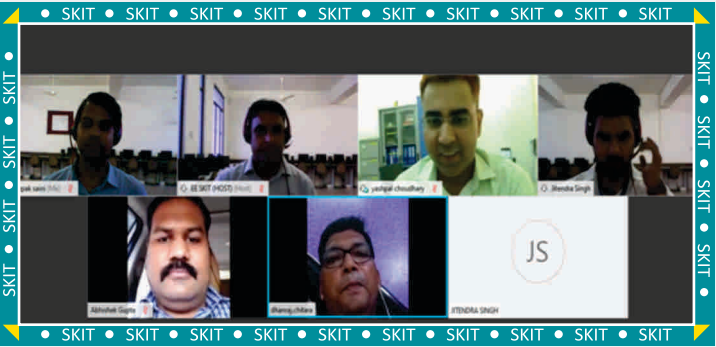


Photo-frame of the Program

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.

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.

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 (UPCON 2020), 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)

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 ADRESES DELIVERED

TITLE : Energy Price Forecasting
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, JaipurDATE: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 October2020) 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

SESSION CHAIRED

SESSION ON : Congress on Intelligent Systems (CIS2020)
CHAIRD BY : Akash Saxena
VENUE : Soft Computing Research Society
DATE : 5 to 6September 2020.

NPTEL/ mooKIT / IITBX / SWAYAM/ COURSERA COURSES COMPLETED

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

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 2020STUDENT 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

DEPARTMENT OF CIVIL ENGINEERING

WEBINAR ON “HOW TO FACE INTERVIEWS”

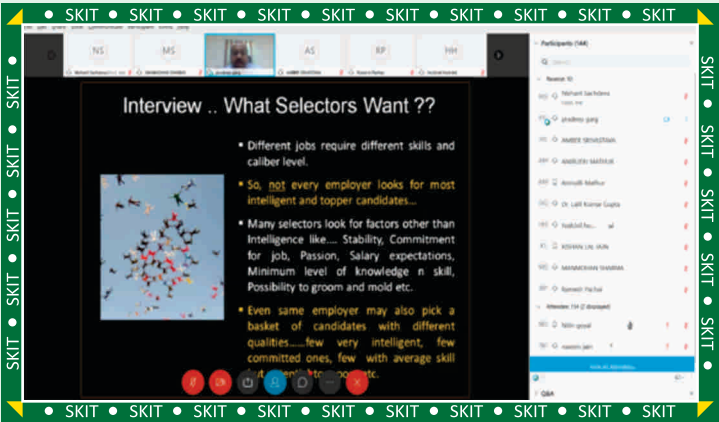


Photo-frame of Webinar

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 does 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

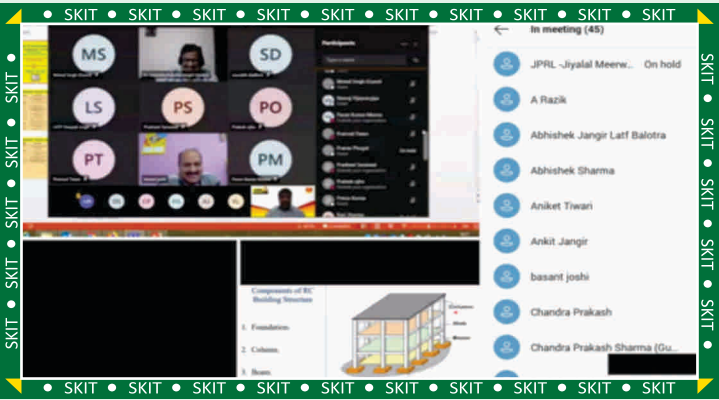


Photo-frame of Webinar

Er. Jetender Babulal 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 platformand 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

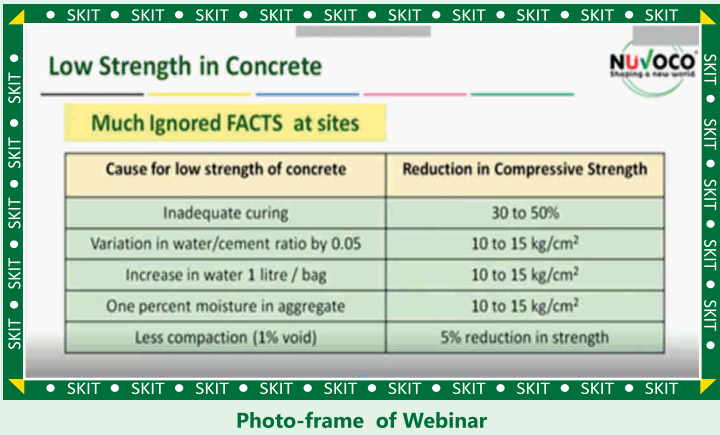
Dr. Lalit Kumar Gupta was invited to deliver an expert lecture on “Advances in Sustainable Civil Infrastructure Development” by Bhartiya Institute of Engineering and Technology, Sikar, on 28 August 2020. The lecture threw light on sustainable preparation of cement mortar and its physical, mechanical and microstructural behaviors. The event which took place on Google Meet platform was attended by undergraduate engineering students of Civil Engineering.

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.

WEBINAR ON “COMMON COMPLAINTS AT SITE AND ITS REMEDIES”

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 18August, 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.



PATENT 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

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

NPTel / mooKIT / IITBX / SWAYAM/ COURSERA COURSE 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

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 ATTENDED:

TOPIC : Recent Trends in Material Science and Engineering

ATTENDED BY : Ankur Mishra

DATE : 20-21August 2020

ORGANIZED BY : SKIT, Jaipur.

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

ATTENDED BY : Ankur Mishra, Saurabh Singh, Manmohan Sharma

DATE : 4 to 6 August 2020

ORGANIZED BY : SKIT, Jaipur.

TOPIC : Strategic Civil Infrastructure (ATAL FDP)

ATTENDED BY : Ankur Mishra

DATE : 23 to 27 November 2020

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

TOPIC : 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

TOPIC : Opportunities and Challenges of e-vehicles in India

ATTENDED BY : Nishant Sachdeva

DATE : 2 to 4 September 2020

ORGANIZED BY : SKIT, Jaipur

TOPIC : Student Centered Teaching Methods and Strategies in Higher Education

ATTENDED BY : Nishant Sachdeva

DATE : 10 to 14 August 2020

ORGANIZED BY : SKIT, Jaipur

TOPIC : 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

TOPIC : 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

TOPIC : Author's Conclave

ATTENDED BY : Jetender Babulal Jangid

DATE : 12 August 2020

ORGANIZED BY : SRM Institute of Science and Technology

TOPIC : Solar Thermal Engineering for Sustainable Future

ATTENDED BY : Jetender Babulal Jangid

DATE : 24 to 28 August 2020

ORGANIZED BY : SKIT, Jaipur

TOPIC : Accreditation-A Tool for Continuous Improvement

ATTENDED BY : Pooja Jain, Jetender Babulal Jangid

DATE : 27 to 29 August 2020

ORGANIZED BY : JIET, Jodhpur

TOPIC : Structural Health Monitoring

ATTENDED BY : Jetender Babulal Jangid

DATE : 26 to 30 August 2020

ORGANIZED BY : RTU Kota

TOPIC : 3D Printing and Design

ATTENDED BY : Dr. Lalit Kumar Gupta

DATE : 9 to 13 November 2020

ORGANIZED BY : IIT, Dharwad

TOPIC : 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, Bisar

TOPIC : Green Technology and Sustainable Engineering

ATTENDED BY : Saurabh Singh

DATE : 19 to 23 October 2020

ORGANIZED BY : NIT, Jalandhar

TOPIC : Green Waste Technology

ATTENDED BY : Saurabh Singh

DATE : 2 to 6 November, 2020

ORGANIZED BY : NIT, Jalandhar

TOPIC : Environment, Water and Disaster Risk Reduction

DATE : 13 to 17 July, 2020

ATTENDED BY : Akash Johari

ORGANIZED BY : National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India and Sharda University, NCR, India

TOPIC : Student Centered Teaching Methods and Strategies in Higher Education

ATTENDED BY : Akash Johari

DATE : 10 to 14 August 2020

ORGANIZED BY : SKIT, Jaipur

STTPs ATTENDED:

TOPIC : 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

TOPIC : Assessment and Evaluation of Students Performance

ATTENDED BY : Lalit Kumar Gupta

DATE : 21 to 25 September 2020

ORGANIZED BY : NITTTR, Kolkata

TOPIC : 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

TOPIC : Introduction to IS 1893-2016

ATTENDED BY : Lalit Kumar Gupta

DATE : 17 to 21 August 2020

ORGANIZED BY : NITTTR, Kolkata

TOPIC : NBA Accreditation

ATTENDED BY : Lalit Kumar Gupta

DATE : 12 to 16 October 2020

ORGANIZED BY : NITTTR, Kolkata

TOPIC : Writing Research Proposals
ATTENDED BY : Lalit Kumar Gupta
DATE : 3 to 7 August 2020
ORGANIZED BY : NITTTR, Kolkata

TOPIC : Introduction to IS 800-2007
ATTENDED BY : Lalit Kumar Gupta
DATE : 31 August to 4 November 2020
ORGANIZED BY : NITTTR, Kolkata

TOPIC : 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

TOPIC : Teaching Skill Development
ATTENDED BY : Lalit Kumar Gupta
DATE : 5 to 9 October 2020
ORGANIZED BY : NITTTR, Kolkata

TOPIC : Leadership and Team Building in Academia
ATTENDED BY : Lalit Kumar Gupta
DATE : 13 to 17 July 2020
ORGANIZED BY : NITTTR, Kolkata

TOPIC : 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

WORKSHOPS ATTENDED:

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

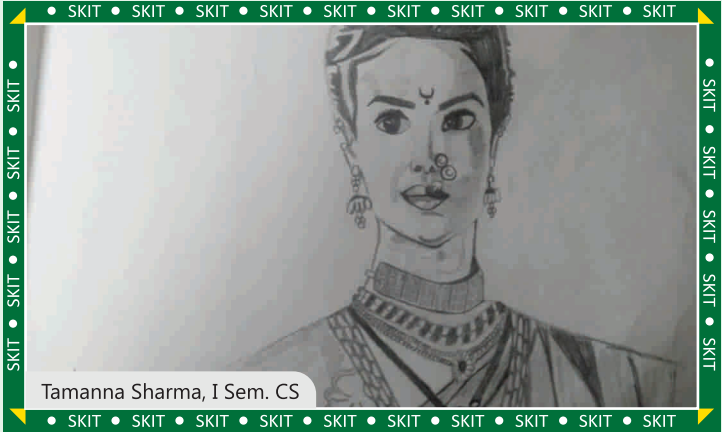
TITLE : Practical Aspects and Research Opportunities in Concrete Structures
DATE : 10 to 11 August 2020
ORGANIZED BY : VignanaBharthi Institute of Technology
ATTENDED BY : Nishant Sachdeva

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

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



DEPARTMENT OF MANAGEMENT STUDIES

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”

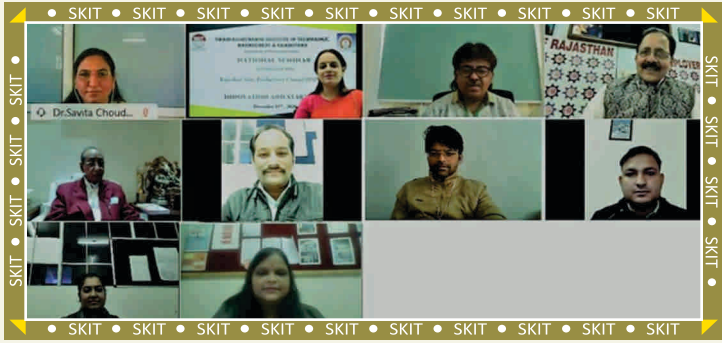


Photo-frame of Webinar

individuals, but are also playing a vital role in building the economy of the country. 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.

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 / mooKIT / IITBX / SWAYAM/ COURSERA- COURSE COMPLETED BY FACULTY

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 11September 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 14August 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

TOPIC : Workshop on Universal Human Values
ATTENDED BY : Ravish Pandey, Atul Gupta
ORGANIZED BY : AICTE
DATE : 12 to 16 October 2020

TOPIC : Personal Effectiveness
ATTENDED BY : Ravish Pandey, Atul Gupta
ORGANIZED BY : AICTE Training and Learning (ATAL) & IIT, Bhubeneswar
DATE : 2 to 6 November 2020

TOPIC : 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 9July 2020
VENUE/ORGANIZED BY : Institute of Industrial and Computer Management and Research, New Delhi

ATTENDED BY : Priyanka Payal

TITLE : Self –Reliant India Mission (Aatma nirbhar Bharat Abhiyan)
DATE : 20 to 24July 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 23October 2020
VENUE/ORGANIZED BY : Department of HSS and ECE, NIT Hamirpur H.P.
ATTENDED BY : Ona Ladiwal

WORKSHOPS ATTENDED

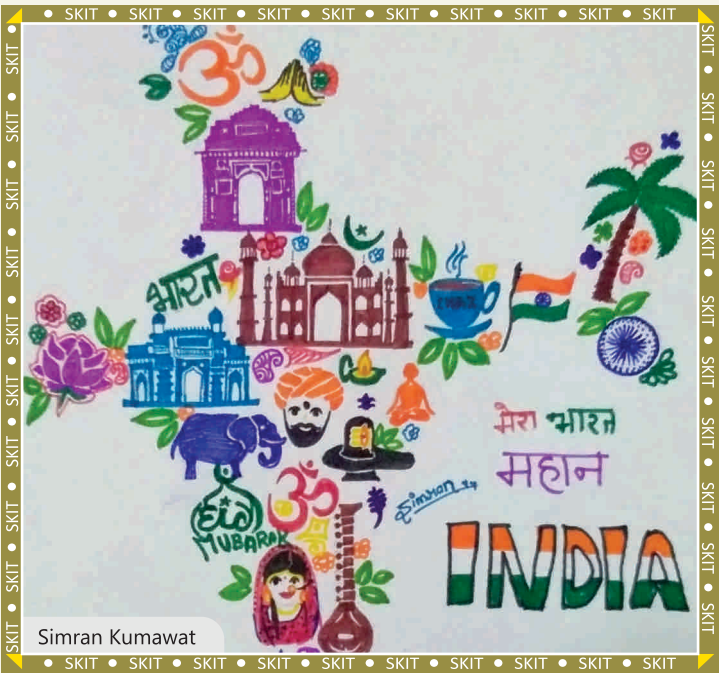
TITLE : Rural Entrepreneurship and Rural Engagement
DATE : November 13 2020
ATTENDED BY : Savita Choudhary, Priyanka Payal
ORGANIZED BY : Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India

STTP 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

INDUCTION PROGRAM ATTENDED

TITLE : 4-Week Induction / Orientation Programme for “Faculty in Universities / Colleges / Institutes of Higher Education”
DATE : 10 November to9 December 2020
ATTENDED BY : Savita Choudhary
ORGANIZED BY : Teaching Learning Centre, Ramanujan College, University of Delhi.



Simran Kumawat

DEPARTMENT OF

SCHIANCES AND HUMANITIES

DEPARTMENT OF ENGLISH

FDPON '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 TEQUIP 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 2commenced 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 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,



Photo-frame of Webinar

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-dayworkshop 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. IrumAlvi, 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 Interpersonal 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 EXCELLENCEIN 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 AndrocentricPsychology : It'sTime 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 26July 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.

NPTEL /mooKIT/ IITBX / SWAYAM/ COURSERA COURSES COMPLETED

TOPIC : Leadership and Emotional Intelligence

COMPLETED BY : Krishna Dayal Sharma

DURATION& CATEGORY : Coursera 4 week 28 October, 2020 Indian School of Business,

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

FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

TOPIC : 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

STTP 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

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 : 7to 11 September 2020

ORGANISED BY : Indira Gandhi Delhi Technical University for Women.AICTE (ATAL) Academy

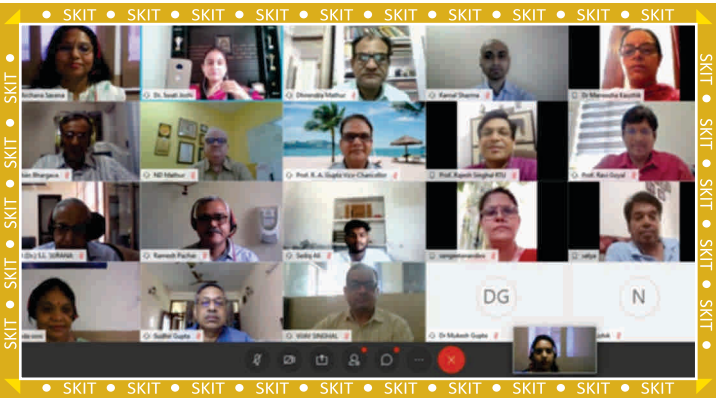
ATTENDED BY : Anupriya Singh

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 'ATMNIRBHAR 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. 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.

NPTEL /mooKIT/ IITBX / SWAYAM/ COURSERA COURSES COMPLETED

| | |
|--------------------|---|
| COURSE/ TOPIC | : COVID -19, Contact Tracing II |
| COMPLETED BY | : Sangeeta Vyas |
| DURATION& CATEGORY | : 14 to 20July 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. |

FACULTY DEVELOPMENT PROGRAMMES ATTENDED

| | |
|--------------|--|
| TOPIC | : 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 |
| TOPIC | : 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 |
| TOPIC | : 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 |
| TOPIC | : 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 |
| TOPIC | : 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 |
| TOPIC | : 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 |
| TOPIC | : 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

| | |
|--------------|---|
| TOPIC | : 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

TOPIC : 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 to15 July 2020

ATTENDED BY : Vinita Sharma

ORGANIZED BY : CREATES, IISER Bhopal, under the aegis of (PMMMNMTT) Scheme, MHRD

WEBINARS ATTENDED

TOPIC : Outcome Based Education and Accreditation

ATTENDED BY : Sharda Soni

ORGANISED BY : NBA and RTU Kota

DATE : 4 December 2020

TOPIC : National Education Policy (NEP) 2020

ATTENDED BY : Sangeeta Vyas

ORGANISED BY : ASSOCHEM INDIA

DATE : 27August and 21 September 2020

TOPIC : Employability post COVID era

ATTENDED BY : Sangeeta Vyas

ORGANISED BY : ASSOCHEM INDIA

DATE : 11 July 2020

TOPIC : India Wellness Initiative

ATTENDED BY : Sangeeta Vyas

ORGANISED BY : Indifamily Foundation (PahlaSukh)

DATE : 18 August 2020

TOPIC : Atmnirbhar Bharat: The Role of Collaborations

ATTENDED BY : Archana Saxena

ORGANISED BY : SRM University -Andhra Pradesh

DATE : 7 November 2020

TOPIC : 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

TOPIC : Pursuit of Excellence: Institute Building

ATTENDED BY : Archana Saxena

ORGANISED BY : SRM University -Andhra Pradesh

DATE : 12 December 2020

TOPIC : Nano materials for Environmental Applications: Characterization by Analytical Tools (STC)

ATTENDED BY : Vinita Sharma

ORGANISED BY : MNIT, Jaipur

DATE : 17 to 21 November 2020

DEPARTMENT OF MATHEMATICS

PAPERS PRESENTED IN CONFERENCES/ SEMINARS

TOPIC : 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

TOPIC : 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"

NPTEL / MOOKIT/ ITBX/ SWAYAM/ 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 : 5June to10 July 2020 Coursera, 4 week

COURSE/ TOPIC : Introduction to Basic Spoken Sanskrit

COMPLETED BY : Pramila Kumawat

DURATION& CATEGORY : 24 2020 NPTEL 4 week

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/2019-20/51

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/2019-20/33

FACULTY : Shalini Shekhawat (Co - Principal Investigator)

ONE WEEK FACULTY DEVELOPMENT PROGRAM ORGANISED

TITLE : Applications of Mathematical Sciences in Engineering and Technology

DATE : 23 to 27 September 2020

VENUE : SKIT, Jaipur Sponsored byTEQIP RTU (ATU)

CONFERENCES/ SEMINARS ATTENDED

TITLE : Emerging Trends in Vedic Mathematics & Applications in Science, Technology and Social Sciences Research

DATE : 16 to 17 August 2020

VENUE : Special Centre for E-Learning Jawaharlal Nehru University, New Delhi, India

ATTENDED BY : Amber Srivastava, Vivek Vijay, Nawal Kishor Jangid

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

ATTENDED BY : Amber Srivastava, Vivek Vijay, Vijay K Singhal, Nawal K Jangid, Sumit Gupta

TITLE : Enhancing Entrepreneurship Skills using Mathematical Mind

DATE : 24 September 2020

VENUE : Manipal University

ATTENDED BY : Deepika Jain

FACULTY DEVELOPMENT PROGRAM (FDP/STTP) ATTENDED

TITLE : Advanced Concepts for Developing MOOCS

DATE : 2 to17 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

TITLE : Applications of Mathematics in Engineering
DATE : 27 to 31 July 2020
VENUE : KPR Institute of Engineering& Technology, Sasur, Coimbatore
ATTENDED BY : Surbhi Sharma
TITLE : MATLAB-Statistics and Data Science
DATE : 27 July to 1 Aug 2020
VENUE : Department of Applied Sciences, Sagar Institute of Research & Technology, Bhopal
ATTENDED BY : Nawal K Jangid, Vivek Vijay, Shalini Shekhawat, Vijay K Singhal, Sumit Gupta

TITLE : Aatm nirbhar Bharat: Encouraging Enterprise in Rural Communities and Remote Regions
DATE : 4 to 6 August 2020
VENUE : SKIT, Jaipur & RTU Kota
ATTENDED BY : Sangeeta Choudhary

TITLE : Recent Advancement in the Field of Physical Sciences
DATE : 7 to 8 August 2020
VENUE : Jaipur Engineering College, Kukas, Jaipur
ATTENDED BY : Chandra Prakash Jain, Deepika Jain, Sangeeta Choudhary, Surbhi Sharma, Nawal K Jangid

TITLE : Manufacturing and Recyclization of Engineering Materials-Cement, Glass and Ceramics
DATE : 10 to14 August 2020
VENUE : SKIT, Jaipur
ATTENDED BY : Jyoti Arora, Deepika Jain, Surbhi Sharma

TITLE : Student-Centred Teaching Methods & Strategies in Higher Education
DATE : 10 to 14 August 2020
VENUE : SKIT, Jaipur & RTU Kota
ATTENDED BY : Sangeeta Choudhary, Surbhi Sharma

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

TITLE : Applications of Optimization Techniques in Science and Engineering Research
DATE : 23 to 27 August 2020
VENUE : B K Birla Institute of Engineering & Technology, Pilani
ATTENDED BY : Shalini Shekhawat

TITLE : Fixed Point Theory and its applications
DATE : 15 to19 September 2020
VENUE : Dept. of Mathematics, & Statics, School of Basic Sciences, Manipal University, Jaipur
ATTENDED BY : Deepika Jain

TITLE : Salesforce Trailhead
DATE : 16 to 20 September 2020
VENUE : SKIT, Jaipur
ATTENDED BY : Rohit Mukherjee, Vivek Vijay

TITLE : Applications of Mathematical Sciences in Engineering and Technology
DATE : 23 to 27 September 2020
VENUE : SKIT, Jaipur (Online)
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 : Internet of Things (IoT)- Applications in Biomedical Instrumentation, Healthcare and Pharma
DATE : 12 to 16 October 2020
VENUE : Women Engineering College Ajmer
ATTENDED BY : Amber Srivastava, Rohit Mukherjee

WORKSHOPS ATTENDED

TITLE : Inculcating Universal Human Values in Technical Education
DATE : 9 to 13 July 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 SikshaSanskritiUtthanNyas.

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

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
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 : Sohag Education (SE), New Delhi, Federation of Community Radio Stations (FCRS), New Delhi IT Wing, RE & RF, Brahma Kumaris, Mount Abu.

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
ATTENED By : Sumit Gupta
ORGANIZED BY : IIT Delhi

TITLE : International Webinar on Pure and Applied Mathematics
DATE : 22 to 23 July 2020
ATTENED 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 K Jangid
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

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

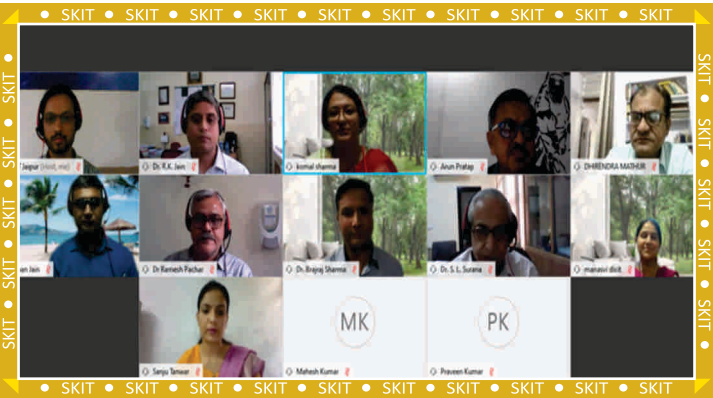


Photo-frame of Webinar

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, Nanomaterials, 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.

NPTEL /mooKIT/ IITBX/SWAYAM/ COURSERA COURSE 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 August to 13 December 2020mooKIT. 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
TOPIC : 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 to15 July 2020
ATTENDED BY : Vinita Sharma
ORGANIZED BY : CREATES, IISER Bhopal, under the aegis of (PMMMNMTT) Scheme, MHRD

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
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).

PAPERS PUBLISHED

DEPARTMENT OF INFORMATION TECHNOLOGY

TITLE : Comparing Different Models for Credit Card Fraud Detection
AUTHOR/S : Bhupendra Singh, Mehul Mahrishi
JOURNAL : SKIT Research Journal, Volume 10 Issue 2

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

DEPARTMENT OF MECHANICAL ENGINEERING

TITLE : An Experimental Study on Carbon Fiber Thickness and Layer Thickness of Depositing
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 and 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.

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 and Management, The Mattingley Publishing Co., Inc, ISSN No. 0193-4120, Volume 83, Page No. 672-685, July-Aug 2020.

TITLE : Hardware Implementation of IIR Anti-notch Filter for Protein Coding Regions Identification in Eukaryotic Genes

AUTHOR : Vikas Pathak

JOURNAL : International Journal of Circuit Theory and Applications, Wiley Publisher, ISSN No. 0098-9886, Volume 83, July 20, https://mjl.clarivate.com/search-results?issn=0098-9886&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=journal-profile-share-this-journal

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>

TITLE : A Survey on Different Data Hiding Techniques for Secure Image Transmission

AUTHOR : Richa Sharma

JOURNAL : International Journal of Advances in Engineering and Management (IJAEM), Volume 2, Issue 8, pp: 242-246, e- ISSN: 2395-5252, DOI: 10.35629/5252-0208242246 , OCT-2020

DEPARTMENT OF **CIVIL ENGINEERING**

TITLE : The Green Building: A Review Approach

PUBLISHED BY : Shrvan Choudhary, Pulkit Sharma, Jetender Babulal Jangid

JOURNAL : DogoRangsang Research Journal, ISSN: 2347-7180, Vol-10, Issue-07 July 2020.

TITLE : Strength and Durability Studies on Slag Cement Concrete Made With Copper Slag as Fine Aggregates

PUBLISHED BY : Lalit Kumar Gupta

JOURNAL : Materials Today, Elsevier, ISSN 2214-7853<https://doi.org/10.1016/j.matpr.2020.08.232>

TITLE : Effect of Alccofineon Durability Properties of Concrete

PUBLISHED BY : Kishan Lal Jain

JOURNAL : International Journal of Concrete Technology, ISSN : 2456-8317, Vol 6: Issue

DEPARTMENT OF **ELECTRICAL ENGINEERING**

TITLE : Design and Simulation of Improved Particle Swarm Optimization based Maximum Power Point Tracking System for Solar Photovoltaic System under Variable Irradiance Condition

AUTHOR(S) : Aditi Kumar Shukla, Abhishek Gupta

JOURNAL : TEST Engineering & Management, Volume - 83, July – August 2020, ISSN: 0193-4120 Page no. 368 - 374

TITLE : Voltage Stability Improvement by Optimal Allocation of STATCOM

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

JOURNAL : Test Engineering & Management, Vol. 83; Issue July-August 2020, pp. 744-752

TITLE : Parameter Extraction of Solar Cell using Intelligent Grey Wolf Optimizer

AUTHOR(S) : Akash Saxena, Ashutosh Sharma and Shalini Shekhawat

JOURNAL : Evolutionary Intelligence (Springer),11 October 2020.

TITLE : A Unique Multiple DG Allocation Technique for Loss Minimization in Distribution System

AUTHOR(S) : Ankush Tandon, Sarfaraz Nawaz

JOURNAL : Lecture Notes in Electrical Engineering, Vol 661, pp 29-38.

TITLE : A DMWT-based Relaying Scheme for the Recognition of Shunt Faults in a Two-terminal Series Capacitor Compensated Transmission Line

AUTHOR(S) : Shyam Sunder Gupta, Jinendra Rahul, Gaurav Kapoor

JOURNAL : Jordan Journal of Electrical Engineering, Volume 6, Number 2, 2020 (ISSN (Print): 2409-9600, ISSN (Online): 2409-9619)

TITLE : Optimal Allocation of Capacitors in Radial Distribution Network Using the Grey Wolf Optimizer Algorithm

AUTHOR(S) : Dr. Sarfaraz Nawaz, Arti Gupta

JOURNAL : Test Engineering and Management, Volume 83 Page Number: 463 - 469 Publication Issue: July - August 2020

TITLE : Integrated TOU Price –based Demand Response and Dynamic Grid –to – Vehicle Charge Scheduling of Electric Vehicle Aggregator to Support Grid Stability

AUTHOR(S) : Suman Sharma, Prerna Jain

JOURNAL : International Transactions on Electrical Energy Systems, Vol. 30; Issue 1, 2020.

DEPARTMENT OF **MATHEMATICS**

TITLE : On Some Image Formulas for Generalized Lommel Wright Function Involving A General Class of Polynomials

AUTHOR/S : Sangeeta Choudhary

JOURNAL : Electronic Journal of Mathematical Analysis and Applications, Vol. 8(2), pp 128-139.

TITLE : Certain Properties of Srivastava's Generalized Mittag – Leffler Function

AUTHOR/S : Amber Srivastava, Rohit Mukherjee, Vijay Kumar Singhal

JOURNAL : GIS Science Journal, Vol 7, (7), pp 608-611.

TITLE : On Certain Fractional Kinetic Equations Involving Laguerre Polynomials

AUTHOR/S : Deepika Jain

JOURNAL : Advances in Mathematics: Scientific Journal, Vol 9.

TITLE : Generalized Fractional Calculus Operators Involving Multivariable Aleph Function

AUTHOR/S : Shalini Shekhawat

JOURNAL : Seventh Sense Research Group, Vol 66 (9), pp 132-138.

TITLE : Solar Cell Parameter Extraction by Using Harris Hawks Optimization Algorithm

AUTHOR/S : Shalini Shekhawat

JOURNAL : Bio-inspired Neurocomputing, Springer, Vol 903.

TITLE : Levy Flight Opposition Embedded BAT Algorithm for Model Order Reduction

AUTHOR/S : Shalini Shekhawat

JOURNAL : Applications of Bat Algorithm and its Variants, Springer

TITLE : Parameter Extraction of Solar cell using Intelligent Grey Wolf Optimizer

AUTHOR/S : Shalini Shekhawat

JOURNAL : Evolutionary Intelligence, Springer, Vol 49, (2020) pp 1-17.

TITLE : Some Bianchi Type IX Dust Fluid Tilted Cosmological Models with Bulk Viscosity in General Relativity.

AUTHOR/S : Pramila Kumawat

JOURNAL : Journal of Rajasthan Academy of Physical Sciences, Vol. 19, pp 1 -12

DEPARTMENT OF **PHYSICS**

TITLE : Synthesis and Evaluation of Reduced Graphene Oxide for Supercapacitor Application

AUTHOR/S : Rishi Vyas

JOURNAL : Materials Today Proceedings, ISSN: 2214-7853, June 2020





(दात्री)

दात्री

जागो, तुम सुकोमल कामिनी नहीं, शक्ति हो,
मत मांगो सहायता, तुम उद्धारक दुर्गा हो ।
पत्नी, माँ, पुत्री, सहायक ही मान रही हो,
तुम, इनमें छुपी, उमा, शारदा, भगवती हो ।
आखर, वसन, मान की भिक्षा मांगती क्यों हो,
तुम खुद, जग को देने वाली हो ।
क्यों केवल मांस पिंड की पुतली बनी हो,
तुम तो नर को नारायण बनाने वाली हो ।

डॉ. प्रमिला कुमावत,
(प्रोफेसर गणित विभाग)

(लघु-कथा)

पगार

मजदूरों के पलायन, शेजी-शेटी एवं उनके भूखे पेट को लेकर वे बहुत व्यथित एवं आक्रोशित थे तथा सोशल मीडिया पर अवसर अपनी वेदना प्रकट करते रहते थे। अभी वे एक नई पोस्ट डाल रहे थे कि तभी उनका मोबाइल बजा, देखा की कामवाली बाई का है। इस समय विचारों में खलल उन्हें अच्छा नहीं लगा, नाराजगी से पूछा क्या बात है? साहब, बाई गिड़गिड़ाती बोली, पूरा महीना हो गया है, घर में खाने को कुछ नहीं बचा, अगर पगार मिल जाती तो! लॉकडाउन की वजह से जब तुमने पूरे महीने काम ही नहीं किया तो पगार किस बात की?

इससे पहले वह कुछ और कह पाती उन्होंने फोन बंद कर दिया और कामवालों की दुर्दशा एवं हमारे सामाजिक दायित्व पर अधूरी पोस्ट पूरी करने लग गए।

पालिका जाजू - सहायक
(सहायक प्रो. कंप्यूटर साइंस विभाग)

(मैंने देखा है)

पापा

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,

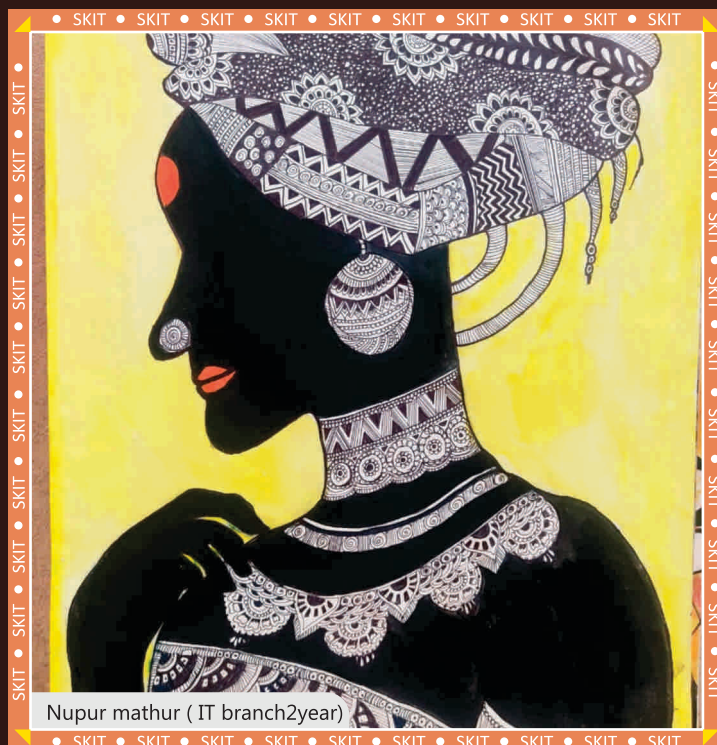
हर बार बाजार से मेरे लिए कुछ लाते हुए देखा है,
बिना कहे मेरी हर मांग पूरे करते हुए देखा है,
मेरे लिए महंगी से महंगी चीजें खरीदते हुए देखा है,
खुद की पाँच साल पुरानी जीन्स को भी नया कहते हुए देखा है,
मैंने दुनिया के सबसे अच्छे पिता को देखा है ।

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 ।

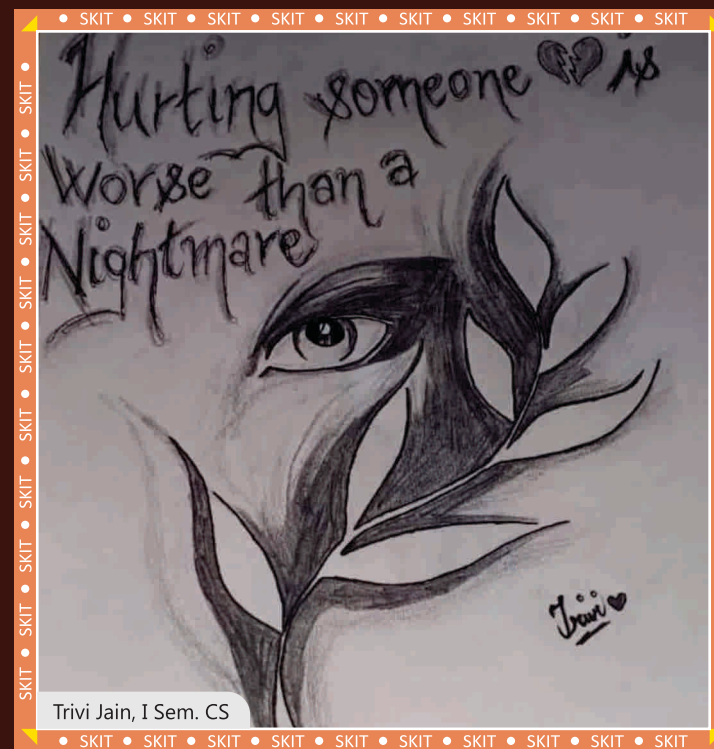
मम्मी से डाँट पड़ने पर, हमें पीछे से हँसाते हुए देखा है,
हमारी जिद पूरी करने के लिए, मम्मी से लड़ते हुए देखा है,
मैंने दुनिया के सबसे अच्छे पिता को देखा है ।

तमन्ना शर्मा

(कम्प्यूटर साइंस : प्रथम वर्ष)



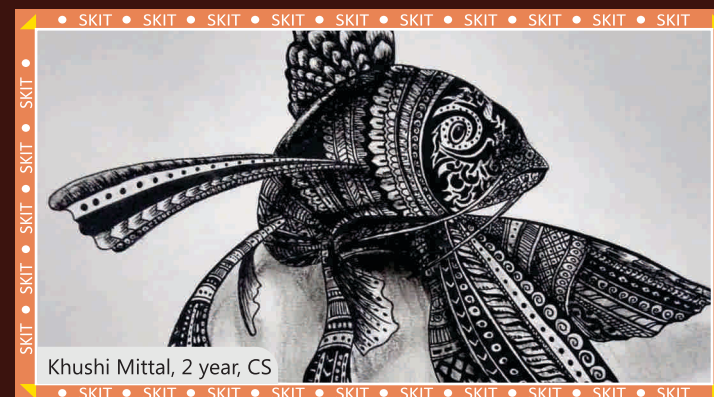
Nupur mathur (IT branch2year)



Trivi Jain, I Sem. CS



ShubhamKumawat, Asst. Prof., CE



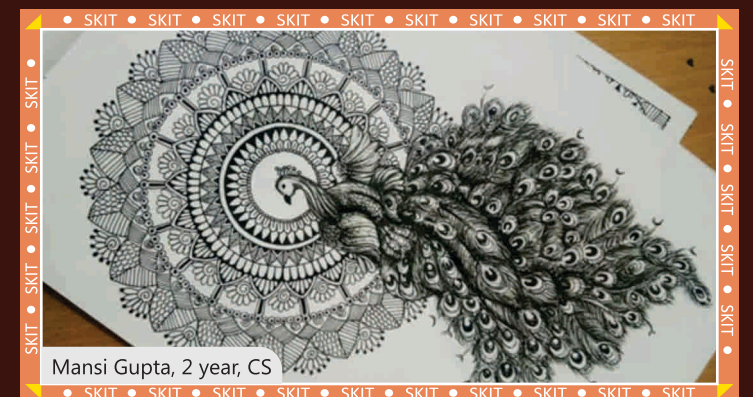
Khushi Mittal, 2 year, CS



Nupur mathur (IT branch2year)



Bharat Kumar, 1 year, EE



Mansi Gupta, 2 year, CS