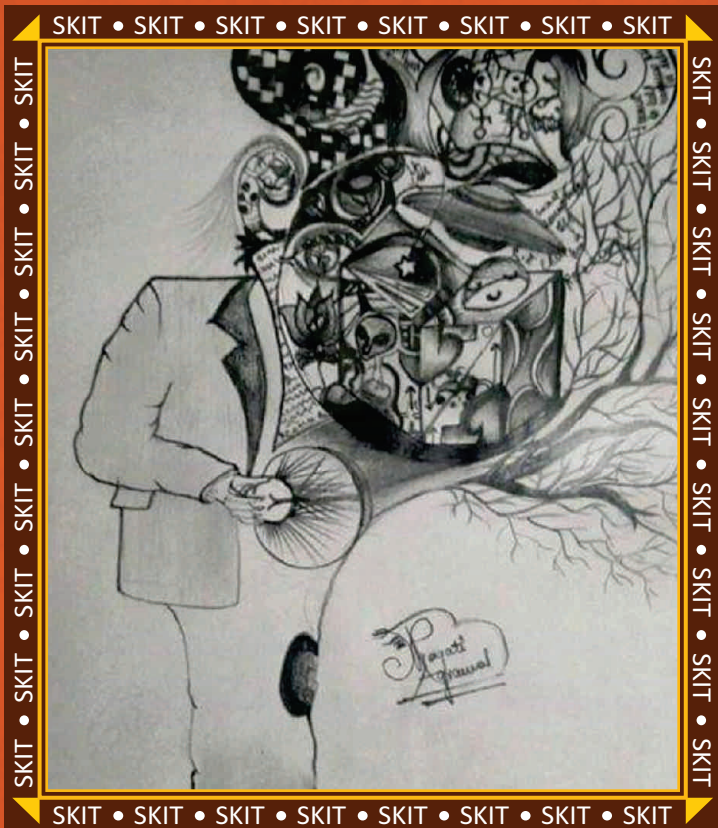




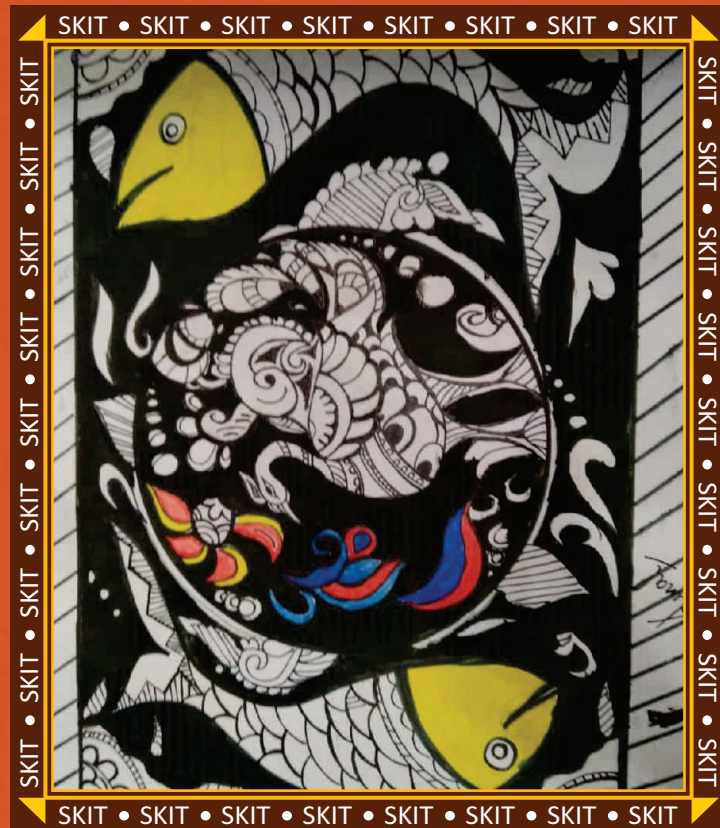
Tanu Gambhir, ECE, I Year



Mohit Yadav, CE IV Year



Pragati Kheencha



Kumkum, CE, I Year



SWAMI KESHVANAND INSTITUTE
OF TECHNOLOGY, MANAGEMENT
& GRAMOTHAN, JAIPUR

शारदीय अंक 43



BY
RAJASTHAN TECHNICAL
UNIVERSITY (RTU), KOTA

CONSECUTIVELY
FOR 3RD YEAR



SKIT TIMES 2019

SAVE ME AND
I WILL SAVE YOU

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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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Akshita Sharma, EE, I Year

SKIT • SKIT • SKIT • SKIT • SKIT • SKIT • SKIT • SKIT

Let Us Be
The Healers

"The mountains are my bones, the rivers are my veins.
The forests are my thoughts and stars are my dreams.
The ocean is my earth and its pounding is my pulse." -
Albert Einstein

When we envisage the whole world as a jigsaw puzzle with all the pieces scattered all over the place and look at the whole picture, it looks overwhelming and scary. The significant growth of technological progress has inflicted a negative impact on the ecological state of our planet. Serious environmental problems that call for radical actions for environmental rehabilitation and conservation, sustainable developments, ecological restorations alongside wild life, provide valid reasons of concern and awareness. That the pressures of overconsumption, population growth and technology and the biophysical environment is being degraded, sometimes permanently, cannot be ignored.

Human beings and environment are inter-related Any type of disturbance in the nature's balance affects the healthy environment which in turn affects the human lives. Harming our environment is harming our own life and life of all other species. Why would we want to grow in a toxic atmosphere? Is it wise to degrade our environment for future generation? Let us create a world where the environment does not need protecting. No intelligent species would destroy their own environment. We were born to help and heal the world, not to destroy it. Let's nurture the nature, for our better future.

WE MUST, WE CAN

There are number of ways to it and they all start with us, with the little steps taken by everyone on the earth. We

should reduce the amount of waste and manage wastes properly, stop using plastic, poly bags, reuse some old things in new ways, repair and use broken things instead of throwing them, use rechargeable or renewable alkaline batteries, make use of LED light and solar energy, conserve rain water and reduce water wastage etc.

When we work on our little part of the jigsaw and know that people all over the world are working on their little bits of it, that's what gives us hope. Environmental problems are being handled by the united efforts of the global community. A lot of international summits, conferences, presentations and activities are held to deal with recycling, waste treatment, and water and soil contamination in all spheres.

We should always remember that environmental pollution is an incurable disease. It can only be prevented! By educating current and upcoming generations, and equipping them with the necessary knowledge and tools like-- Reduce, Reuse, Recycle plus by Refusing to accept freebies and gifts that we do not consume, we all can heal and replenish the environment and such a living style as a society is bound to reap great results when we become **HEALERS!**

Krishna Sharma, Editor-in-Chief

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AAGHAZ - ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS

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



INDUCTION PROGRAMME FOR FIRST YEAR STUDENTS

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

Classes of basic sciences, fundamentals of computers, human



values were organized so that students could come out of their lacunas and become familiar with the new principles. The first three days of the induction were marked with a visit to the various departments, club-orientation, and sessions by chief counselor, chief librarian, chief proctor and head of training and placement cell. The program also included physical exercises like Yoga and Zumba which made the students realize the importance of their physical fitness. Some other activities like dance, music and movie screening were also carried out for their entertainment and infotainment. The students had all their queries answered regarding the upcoming challenges in the industry during their interaction with the alumni of SKIT in SAMWAAD where the alumni of the college shared their experiences and success stories with them. This interactive session was successful in achieving its objective to make the students acquainted with diverse issues. Planning for studies, soft skills, aptitude, professional attitude, market and industry needs, utilization of time, self-study and self-preparation, career guidance and networking etc. were enthusiastically addressed.

INDEPENDENCE DAY CELEBRATION

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

MANIPURI DANCE PERRFORMANCE BY BIMBAVATI DEVI

SPIC MACAY, the Society for the Promotion of Indian Classical Music and Culture Amongst Youth is a voluntary youth movement

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

TREE PLANTATION DRIVE AT SKIT

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



FRESHER'S PARTY- (NAVANKUR)

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

BLOOD DONATION CAMP ORGANIZED



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

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

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



DEPARTMENT OF
**COMPUTER SCIENCE AND
INFORMATION TECHNOLOGY**

WORKSHOP ON LINUX FOR TEACHERS

The Computer Science department of SKIT and IIT Bombay jointly organized a national workshop on 'Linux' for Teachers on 23 August, 2019 under the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)', MHRD, Govt. of India and conducted by The Teaching Learning Centre (ICT), supported by FOSSEE & Spoken Tutorials. The workshop was addressed by Prof. Kannan Moudgalya and Prof. Kumar Appaiah, IIT Bombay. Prof. Kumar Appaiah apprised that Linux is one of the most popular and open source Operating Systems used today. It refers to the family of Unix-like computer operating systems that uses the Linux kernel. Linux kernel is released under the GNU General Public License and hence can be freely created, modified and redistributed. The real power of Linux can be tapped by using its wide and powerful storehouse of commands that can be typed in the terminal. Linux is now used in all major software projects undertaken by the Indian Government like GST, Aadhar, and NEFT etc. Prof. Kannan also emphasized the importance of Linux in the field of science and technology. The workshop was coordinated by



Mr. Kailash Soni under the supervision of SKIT remote centre coordinator Dr. Mukesh Kumar Gupta.

WORKSHOP ON PYTHON FOR TEACHERS

The Computer Science department of SKIT and IIT Bombay jointly organized a National Workshop on 'Python' for Teachers on 22 June, 2019 under the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMNMNTT)', MHRD, Govt. of India conducted by The Teaching Learning Centre (ICT), supported by FOSSEE & Spoken Tutorials. This workshop was

addressed by Prof. Kannan Moudgalya, Principal Investigator and Prof. Prabhu Ramchandran, Co-Principal Investigator, FOSSEE project, IIT Bombay. Prof. Prabhu Ramchandran told that Python is a very versatile and easy-to-learn programming language with an extensive library of open tools allowing users to solve a variety of problems. It has a rich ecosystem of libraries and tools for scientific computing and data science. Also, Python can interface relatively easily with other well-established languages like FORTRAN/C and C++. Additionally, Python also has libraries to build user interfaces, build web applications, interface to hardware, and a whole host of other domains. Prof. Kannan concluded the workshop by stating the importance of python in the field of science and technology. The workshop was coordinated by Mr. Kailash Soni under the supervision of SKIT remote centre coordinator Dr. Mukesh Kumar Gupta.



WORKSHOP CONDUCTED

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

FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

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

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

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

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

TITLE : FDP for Student Induction (FDP-SI)" Organized by AICTE.

DATE : 01 to 03 June, 2019

VENUE : Poornima College of Engineering, Jaipur

ATTENDED BY : Kailash Soni, Naveen Jain and Ganpat Singh

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

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

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

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

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

WORKSHOP ATTENDED

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

TITLE : Scilab Workshop
DATE : 4 May, 2019
ATTENDED BY : Shanu Tripathi, Vijeta Khicha, & Garima Gupta
ORGANIZED BY : IIT Bombay at SKIT Jaipur.

TITLE : Linux for Teachers
DATE : 23 August, 2019
ATTENDED BY : Shanu Tripathi, Vijeta Khicha, Kailash Soni
ORGANIZED BY : IIT Bombay at SKIT Jaipur.

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

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

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

NPTEL COURSE COMPLETED BY FACULTY

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

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



DEPARTMENT OF MECHANICAL ENGINEERING

FDP ORGANISED ON DATA ANALYTICS FOR ENGINEERS AND RESEARCHERS

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



WORKSHOPS ORGANIZED TECHNICAL SESSION ON MECHANICAL CAD SOFTWARE

ASME Student Section, SKIT and Staple CAD, Jaipur jointly organized a technical session on “Awareness to Mechanical CAD



Software” on August 28, 2019. The programme included a hands on practice session also for “Design of Nut and Bolt” using Auto CAD software. Students from different branches participated enthusiastically. The session was coordinated by Mr. Arun Beniwal.

WORKSHOP ON CFD ANALYSIS USING ANSYS FLUENT

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



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

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



(ME-VII), Gaurav Choudhary (ME-VII), Mahima Bhoi (ECE-VII) and Rajat Sharma (CSE-VII). The project was supervised by Mr. Kanak Giri (Asst. Prof. CSE), Mr. Praveen Saraswat (Asst. Prof. ME) and Mr. Dinesh Kumar Sharma (Asst. Prof. ME).

INDUSTRY VISITS

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



STAFF TRAINING PROGRAM PRACTICAL SESSION ON LUBRICATION OF MACHINES & EQUIPMENTS

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



lubricants. Hands on practice sessions were conducted on lubrication tips in bearings and machine spindles.

EXPERT TALK ON ATTAINMENT OF COs & POs



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

PROGRAMMES ORGNISED BY PAQIC FACULTY DEVELOPMENT PROGRAMME 2019

A one-week Faculty Development Programme (FDP) was conducted for newly joined faculty members by PAQIC from 29 April, 2019 to 7 May, 2019. The main areas covered were – Communication, its types and channels, board Planning & delivery of lecture, use of over-head projector for teaching tables, graphs and schematic diagrams, differences; formulation of course outcomes, taxonomies in domains of learning-cognitive, psychomotor and affective; skills of introducing, explaining, questioning, reinforcing and summarizing, importance of feedback of one's own lecture etc. In

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

STAFF DEVELOPMENT PROGRAMME- 2019

A one-week Staff Development Programme (SDP) was organized for technical staff by PAQIC from 25 June, 2019 to 1 July, 2019 of the Institute. The programme aimed at training the technicians in essential skills along with focusing on their roles and responsibilities of technicians. The topics and activities covered during the programme were- Communication, its types and channels; common mechanical tools & lubrication, electronic instruments, circuits, measurements & processes, basics of Microsoft office, maintenance of the lab records/stock by technicians etc. Cases were designed and discussed to highlight the roles and responsibilities of the technical staff. The program concluded with visits to Mechanical Engineering Laboratories and Workshop, Electronics and Computer laboratories for hands on practice session. Resource persons for the programme included Mr. V.S. Marwal (ME), Mr. Mehul Mahrishi (IT) & Mr. Anil Verma (ECE). The programme was conducted by Dr. N.K. Banthiya, Head, PAQIC, assisted by Mr. Dinesh Sharma, Mr. Chandan Kumar and Mr. Roop Singh of Mechanical Engineering Department.

WORKSHOP ON SWOT ANALYSIS FOR III SEMESTER STUDENTS

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

FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

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

TITLE : QIP/CES Course on Solar Thermal Technologies for Process Heat and Power

DATE : June 17 to 21, 2019
VENUE : Department of Energy Science and Engineering, IIT, Bombay
ATTENDED BY : Ankit Kumar Agarwal
TITLE : Faculty Development Program-2019
DATE : April 29 to 07, 019
VENUE : SKIT, Jaipur
ATTENDED BY : Chandan Kumar

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

WORKSHOP ATTENDED

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

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

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

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

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

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

TITLE : Industry 4.0
DATE : April 22 to 26, 2019

ATTENDED BY : Vishnu Jangid
ORGANIZED BY : MNIT, Jaipur.

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

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

PAPERS PRESENTED IN CONFERENCES

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

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

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

PhD AWARDED

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NATIONAL WORKSHOP (PDF 2K19)

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



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

GUEST LECTURE BY PROF. ALESSANDRO UNDER THE OSA STUDENT CHAPTER

A guest lecture on “Principles of Bio Photonics” was held on July 2, 2019 under the umbrella of OSA Student Chapter of SKIT by Prof. Alessandro M Deana, Professor in Photonics and Bio-

Photonics, at Universidade Nove de Julho, Sao Paulo, Brazil. Prof. Alessandro explained the fundamentals of bio photonics along with the scope of research in photo bio-modulator Faculty members, students of the department and all OSA members of Jaipur attended the session. Faculty mentors of the Chapter are- Dr. Monika Mathur and Dr. Rukhsar Zafar



WORKSHOP ORGANIZED

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

PEPERS PRESENTED IN CONPRENSES

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

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

PAPERS REVIEWED

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

ACHIEVEMENTS

1. Project entitled “Smart Street Lightning System with Automatic Switching and Intensity Control” from SKIT has been selected for the final round of the prestigious YESIST 12 challenge, organized at Stanford International University, Thailand on September 7 and 8, 2019. The event is organized by Madras IEEE Education Society

Chapter in partnership with IEEE entities, universities and leading technology companies. IEEE YESIST 12 is a coding and making the challenge.
2. Dr. Monika Mathur has been elevated as the "Senior Member" of IEEE society.
3. Anshul Kothari, student of VII semester ECE department, member of OSA, received a grant (2, 54,000/-) from the OSA to represent the OSA-SKIT Student Chapter in the "Student Leadership Program” at Washington.

GRANT/ FUNDS RECEIVED

1. Dr. Monika Mathur received a grant from AICTE for attending UK-India Educational Research Initiative (UKIERI) 2019. She has attended three workshops at different venues in India.
2. Dr. Monika Mathur received a research grant (Rs.2,40,000/-) from TEQIIP-III, RTU, Kota under the Collaborative Research Scheme (CRS). The topic of her research is "Dual Band Implantable/Wearable Microstrip Antenna Designing for Breast Cancer Detection".

WORKSHOP ATTENDED

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

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

SESSION CHAIRED

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

M.TECH. DISSERTATIONS COMPLETED

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

NPTEL COURSE COMPLETED BY FACULTY

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

DEPARTMENT OF ELECTRICAL ENGINEERING

EXPERT LECTURES DELIVERED

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



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

FDP ATTENDED

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

WORKSHOPS ATTENDED

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

DEPARTMENT OF CIVIL ENGINEERING

EXPERT TALK BY ER. SHIVRAJ DHAKA



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

TRANSPORTATION ENGINEERING

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



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

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

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

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

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

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

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

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

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

TITLE : Data Analytics for Engineers and Researchers
DATE : 26 to 30 August, 2019

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

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

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

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

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

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

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

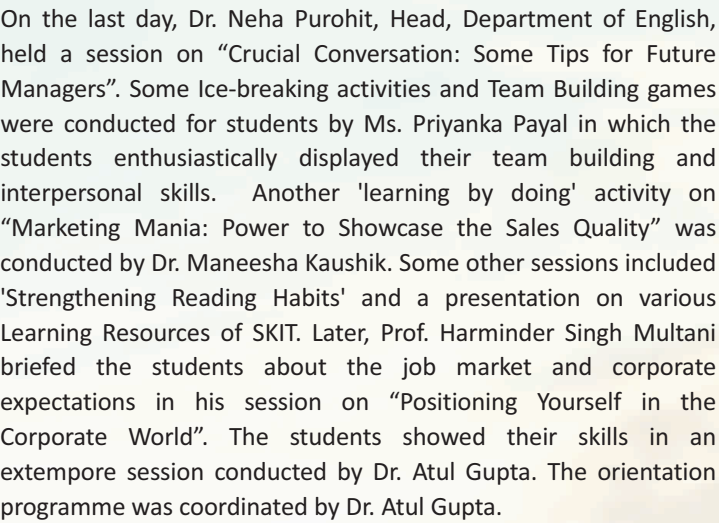
TITLE : Hydration and Porosity
COMPLETED BY : Saurabh Singh
DURATION : January to March 2019 (8 week course)

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

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

A 3-day orientation programme, “Shubharambh: Empowering Future Managers” was organized by the department from August 8 to 10, 2019. The dignitaries present on the occasion were Ms. Hema Chawla, Director. I- Create, Jaipur, Prof. S. L. Surana, Director (Academics), Prof. Ramesh Pachar, Principal. Initially, Dr. Savita Choudhary, briefed the gathering about the resources, activities and future plans of DMS. Prof. S. L. Surana called upon the students to adopt focused and disciplined approach in life for success and highlighted how positive attitude can inculcate leadership qualities and take students to heights. Prof. Ramesh Pachar briefed the students about SKIT and various facilities available in the institute. In her inaugural address, Ms. Hema Chawla, emphasized on taking challenges, promoting innovations and motivated the students to be a job creator, not a job seeker.

On the second day Prof. S. K. Mathur conducted a session on “Skill Set required for a Successful Managerial Career” in which he motivated the students by presenting the realities of the student life in B-Schools and enlightened the students about the duties and responsibilities of a manager/ entrepreneur. Then, an industrial visit to 'Jaipur Rugs' was arranged for the students which was a good learning experience for them.



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

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

DEPARTMENT OF SCIENCES AND HUMANITIES

DEPARTMENT OF ENGLISH

BOOK PUBLISHED

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

PAPERS PRESENTED IN CONFERENCES

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

DEPARTMENT OF MATHEMATICS

WORKSHOP ATTENDED

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

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

NPTEL COURSE COMPLETED BY FACULTY

COURSE/ TOPIC : Engineering Mathematics-1
COMPLETED BY : Deepika Jain
DURATION & CATEGORY : January to April 2019 (12 weeks). Awarded Elite Certificate & Silver Medal
COURSE/ TOPIC : Transform Calculus and its applications in Differential Equations
COMPLETED BY : Dr. Sangeeta Gupta
DURATION & CATEGORY : January to April 2019 (12 weeks). Awarded Elite Certificate & Gold Medal

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

FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

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

DEPARTMENT OF CHEMISTRY

FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

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

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

WORKSHOP ATTENDED

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

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

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

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

NPTEL COURSE COMPLETED BY FACULTY

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

AWARDS FOR FACULTY

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

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

DEPARTMENT OF PHYSICS

FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

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

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

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

WORKSHOP ATTENDED

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

PAPERS PUBLISHED

DEPARTMENT OF MECHANICAL ENGINEERING

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

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

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

DEPARTMENT OF CIVIL ENGINEERING

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

DEPARTMENT OF ENGLISH

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

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

DEPARTMENT OF CHEMISTRY

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

APPRECIATION AWARDS FOR HIGH QUALITY RESEARCH PAPERS : 2018-19

Appreciation Awards for Publication of High Quality Research Papers were given on 14 August, 2019 by Prof. S.L. Surana (Director Academics).

Sr.No.	Author	Title of Research Paper	Name of Journal	Publisher
1	Dr. Pradeep Kumar Gautam	Gainful Utilization of Dimensional Limestone Waste as fine Aggregate in Cement Mortar Mixes	Construction and Building Materials	Elsevier
2	Dr. Manoj Kumar Sain	Identifying Musculoskeletal Issues and Associated Risk Factors Among Clay Brick Kiln Workers	Industrial Health	National Institute of Industrial Health
3	Dr. Rishi Vyas	Investigation on the Suitability of Water/Polyethylene Glycol Solutions for GO Layer Deposition in O/Ag/GO Films for transparent Conducting Electrode	Applied Nanoscience	Springer Nature
4	Dr. Rishi Vyas	Optical Properties of in-situ Chemically Synthesized PANI-TiO2 Nanocomposites	Journal of Nano- and Electronic Physics	Sumy State University
5	Dr. Rishi Vyas	Effect of TiO2 Concentration on Thermal Stability and Dielectric Properties of (PANI)1-x(TiO2)x Nanocomposites	Asian Journal of Chemistry	Chemic Publishing Co.
6	Dr. Praveen Kumar Jain	Optical Properties of in-situ Chemically Synthesized PANI-TiO2 Nanocomposites	Journal of Nano- and Electronic Physics	Sumy State University
7	Dr. Praveen Kumar Jain	Effect of TiO2 Concentration on Thermal Stability and Dielectric Properties of (PANI)1-x(TiO2)x Nanocomposites	Asian Journal of Chemistry	Chemic Publishing Co.
8	Mr. Ajay Kumar Sharma	Optical Properties of in-situ Chemically Synthesized PANI-TiO2 Nanocomposites	Journal of Nano- and Electronic Physics	Sumy State University
9	Mr. Ajay Kumar Sharma	Effect of TiO2 Concentration on Thermal Stability and Dielectric Properties of (PANI)1-x(TiO2)x Nanocomposites	Asian Journal of Chemistry	Chemic Publishing Co.
10	Dr. Sumit Gupta	Radiation Effects on MHD Boundary Layer Flow and Heat Transfer Along A Stretching Cylinder with Variable Thermal Conductivity in a Porous Medium	Journal of Porous Media	Begell House
11	Dr. Sumit Gupta	ADMP: A Maple Package for Symbolic Computation and Error Estimating to Singular Two-Point Boundary Value Problems with Initial Conditions	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	Springer

12	Dr. Sumit Gupta	MHD Three Dimensional Flow of Oldroyd-B Nanofluid Over A Bidirectional Stretching Sheet: DTM-Padé Solution	Nonlinear Engineering	de Gruyter
13	Dr. Pankaj Dadheech	A Novel Framework for Performance Optimization of Routing Protocol in VANET Network	Journal of Advanced Research in Dynamical and Control Systems	Institute of Advanced Scientific Research
14	Dr. Pankaj Dadheech	An Enhanced 4-Way Technique using Cookies for Robust Authentication Process in Wireless Network	Journal of Statistics and Management Systems	Taru Publication/Taylor & Francis
15	Mr. Ankit Kumar	An Enhanced 4-Way Technique using Cookies for Robust Authentication Process in Wireless Network	Journal of Statistics and Management Systems	Taru Publication/Taylor & Francis
16	Prof. (Dr.) Chothmal Choudhary	An Enhanced 4-Way Technique using Cookies for Robust Authentication Process in Wireless Network	Journal of Statistics and Management Systems	Taru Publication/Taylor & Francis
17	Mr. Mahender Kumar Beniwal	An Enhanced 4-Way Technique using Cookies for Robust Authentication Process in Wireless Network	Journal of Statistics and Management Systems	Taru Publication/Taylor & Francis
18	Dr. Sanwta Ram Dogiwal	An Enhanced 4-Way Technique using Cookies for Robust Authentication Process in Wireless Network	Journal of Statistics and Management Systems	Taru Publication/Taylor & Francis
19	Dr. Sanwta Ram Dogiwal	Detection of Copy-Move Image Forgery using Normalized Cross Correction and Fast Fourier Transform	Journal of Statistics and Management Systems	Taru Publication/Taylor & Francis
20	Prof.(Dr.) Mukesh Kumar Gupta	Detection of Copy-Move Image Forgery using Normalized Cross Correction and Fast Fourier Transform	Journal of Statistics and Management Systems	Taru Publication/Taylor & Francis
21	Prof.(Dr.) Mukesh Kumar Gupta	Detection and Analysis of Life Style based Diseases in Early Phase of Life: A Survey	Communications in Computer and Information Science	Springer Verlag
22	Prof. (Dr.) S.L. Surana	Identification of Generator Criticality and Transient Instability by Supervising Real-time Rotor Angle Trajectories Employing RBFNN	ISA Transactions	Instrument Society of America
23	Prof. (Dr.) Akash Saxena	Identification of Generator Criticality and Transient Instability by Supervising Real-time Rotor Angle Trajectories Employing RBFNN	ISA Transactions	Instrument Society of America
24	Prof. (Dr.) Akash Saxena	A Comprehensive Study of Chaos Embedded Bridging Mechanisms and Crossover Operators for Grasshopper Optimisation Algorithm	Expert Systems with Applications	Elsevier Ltd.
25	Prof. (Dr.) Akash Saxena	B-Chaotic Map Enabled Grey Wolf Optimizer	Applied Soft Computing Journal	Elsevier BV

26	Dr. Sarfaraz Nawaz	A New Approach for Power Loss Minimization in Radial Distribution Networks	Advances in Intelligent Systems and Computing	Springer Science + Business Media
27	Mr. Ankush Tandon	A New Approach for Power Loss Minimization in Radial Distribution Networks	Advances in Intelligent Systems and Computing	Springer Science + Business Media
28	Dr. Ashish Nayyar	Modeling and Experimental Investigation for Performance and Emissions on A Diesel Engine Using Bio-Oxygenated Ternary Fuel Blends	Energy	Elsevier Ltd.
29	Mr. Chandan Kumar	Effect of Diesel-Methanol-Nitromethane Blends Combustion on VCR Stationary CI Engine Performance and Exhaust Emissions	Environmental Science and Pollution Research	Springer Verlag
30	Dr. Rukhsar Zafar	Metallic Slit-Loaded Ring Resonator-Based Plasmonic Demultiplexer with Large Crosstalk	Plasmonics	Springer Verlag
31	Dr. Swati Arora	Annealing Effects on Properties of Se(1-x)Sbx Nano Crystalline Thin Films	Journal of Nanoelectronics and Optoelectronics	American Scientific Publishers

HELLO SKIT!



Priyanka Sharma (EE 2015-19)
Designation - Operations Head
Name of Company - Thrillophilia
Address - Start up Oasis, Sitapura
Industrial Area, Jaipur
Contact – priyankak1428@gmail.com

First of all I congratulate you all for SKIT's first rank in RTU for consecutively third year. If I look 4 years back during my stay at SKIT, and my exposure to academic and holistic environment for all round development, I find that selecting SKIT was one of the best decisions of my life. This institute has proven on grounds that it deserves to be No. 1 Institute.

I started working with Thrillophilia as a part time employee in third year. This company is a startup by Ms. Chitra Gurnanai Daga and Mr. Abhishek Daga. I was selected in Cognizant from campus placement drive but I chose to join this start up because in a startup one can learn, explore more and use one's expertise in a better way. I would like to mention that entrepreneurial skills are important for everybody be it employees or employers as the key objectives of both are same at one point: growth of that enterprise and satisfaction of its customers with best services and products.

At SKIT, I was able to explore myself in different aspects to find out my USPs. Faculty student relationship was the key player in my wonderful journey. The discipline and time management skills which I developed during these 4 years are now helping me to achieve the new heights. Clarity of objective, proper planning, time management, along with academics, being good at extra and co-curricular activities, participation in workshops and conferences, utilizing library facilities, being confident are some of the important areas which can be helpful to every student. I also suggest my successors to remain in touch with their predecessors for exploring best options. I extend my best wishes to my loving successors.

I would always be grateful to all my senior fellows and teachers.

CAMEO an array of clubs

THEME BASED DRAWING COMPETITION HELD

A theme based craft drawing competition was organized by Art & Craft Club on 21 August 2019. The participants were given “Carnival” theme and disposable tray was given as a prop. Each participant was allowed to choose colouring medium of their own choice, however, plagiarism of any kind was prohibited. The craft painting was judged by Ms. Priyanka Gupta (Civil Department) on the basis of creativity, justification to theme, fineness of art work and cleanness at work place.



CLUBS INTRODUCED

SKIT believes in the holistic development of its students and more than 25 clubs of various areas have been formed in the campus to accomplish the goal. During the Induction Program, these clubs grabbed an opportunity to explore themselves by involving the participation of the newly inducted students as per their area of interest providing them a platform to nurture their personal and professional development. The orientation of the clubs started with the lamp lighting by Dr. Rohit Mukharjee, in-charge first year, Dr. Archana Saxena, HOD Chemistry, Ms. Sanju Choudhary, Mr. Shubham Kumawat faculty coordinators of the ECA. A series of descriptive, brief and entertaining presentations by the clubs were followed by the energetic dance by the Beat Demons. A variety of new clubs like Machine Learning Club, VLSI Club and many more were also introduced. Toastmasters Club gave a splendid performance followed by an enchanting and soothing performance by SPIC

MACAY, heritage club of SKIT. A breath-taking performance by the beat boxer Kritik engaged the entire audience. The DFA and Rhonthronz's performance lit the stage on fire. On this occasion the new-fangled and modish logo of the ECA was inaugurated by Dr. Rohit Mukharjee and Mr. Kailash Soni, faculty coordinator of the ECA



SLOGAN WRITING POSTER COMPETITION BY ECO FRIENDS CLUB

Rain Water Harvesting: ECO Friends Club organized a Slogan Writing Poster completion on Rain Water Harvesting on 28 August, 2019. Students displayed slogans on the importance of rain water harvesting and saving water on decorative charts. Selected posters were displayed on notice board.





Windows of Muses

TRAVEL AS MUCH AS THOU CAN

To let the wind sway your hair,
and the breeze kiss your eyes.
To imagine the raindrops fall upwards,
and time roll back a while.

To let the stars be thy love, and flowers talk a bit.
To make the mountains pose, and to know if roads promised
traveller's wit.

To over cross every restriction, and enlive your soul deaden.
To make every memory count,
and your blush grow a bit more redder.

To love each thorn on the way, and echo yourself in every
valley.To glide over the clouds, and to follow the sheep's
rally.

To discover the deepest secrets, and add color to every life's
turning.
To get drunk of the wilderness, My Dear, keep the Globet
rotter in you burning.

To kiss the aura of oblivion, and fall for every passing man.
To love yourself & be thy love, O friend! Travel as much as
thou can.

Deepali Saxena, C S Batch: 2014-2018
Currently Workin at Reuters, Bangalore as
Trainee Journalist

NEVER STICK TO A SIDE

Are you a partisan?
A party may go corrupt.
Do you consider anything seen, smelt,
heard or touched to be the truth for sure?
It may be an illusion, created or mistaken.
Are you a supporter of someone
because he has been honest throughout?
People may go greedy.
Do you rely on a particular brand for your purchases?
Searching more and comparing may prove
even the local stuff better.
Do you judge people on the basis
of first impression or long observation?
One may hide his true personality,
change for better or go astray.

Are you a feminist?
Men may be right or women may be wrong too.
Do you defend poor people
because the opponent is a rich person?
People may be opportunists,
planning for a bigger deal out of the fight.
Are you afraid of being labelled a turncoat
if you don't take sides?
Law believes in truth and not in taking sides
and hence is the woman of justice painted blind.

Satyamev Jayate (Truth Always Wins)

Vanshika Kar I Year, CS

26/11

Moon shone as never before, and reflected off the Hotel Taj.
I walked in through the door, seldom had I lived so large.
Luggage was waiting in the sixth floor room, but hunger
dragged me to the dining hall. Could feel the room filled up
with a strange gloom, despite the blooming faces of all.

Hardly had I dined, when the twisted fate broke in.
A scream
from the lobby behind, alarmed me of some sin. Between the
sound of a loud bang, and the rush of the crying crowd,
I could spot an armed gang, open firing, fierce and proud.

It fled me in sheer terror, towards the kitchen, following
the rest. Puzzled at the very next sight, Chef helping a
terrified old guest! No sooner did I move ahead, from the
scattered bodies in blood Than a bullet hit him in the head,
Closed his eyes and left mine in flood.

Filled with a dozen of humane humans, the kitchen ran in
panic From the rage of all those demons, gunshots and
chuckles, so satanic. Every bleeding dead face, with mouths
open wide Made us tiptoe past them, with new
hostages on our side.

From kitchen to corridor, to the Taj chambers at last,
Could finally spot the exit door, but we risked not
so fast. Counting our last breaths, in the corridor did
we duck. Witnessing the scary death, until fighters
came by luck.

Gunshots doubled without wait, when we tried escaping.
One hit my foot straight, and dropped me gaping. The world
seemed to blur then, must've cried, can't recall.
Morning mourned on the loss of men, whose valiant
spirits made India tall.

Siddhi Saxena : ECE I Year

॥ सृजन ॥

नोक लो तुम महाप्रलय

मत काटो वृक्षों को, न करो प्रकृति का हनन,
रोक लो तुम महाप्रलय, करो सुरक्षित जन जीवन।

तुमको ही वन रक्षण हेतु, कोई कदम उठाना होगा,
वरना भविष्य मे इसका, भारी मोल चुकाना होगा,
तुम अपनी अभिलाषाओं के मद में इतना खो रहे,
बीज अपने विनाश का, तुम अपने हाथों बो रहे ।

तनिक बैठो एकाकी, और करो गहन चिंतन,
रोक लो तुम महाप्रलय, करो सुरक्षित जन जीवन ।

पेट्रोल-डीजल का स्तर, इस कदर निरंतर गिर रहा,
उज्जवल भविष्य के सपनों पर, संकट का घन घिर रहा।
हमको पेट्रोल-डीजल की, खपत कम करनी होगी,
तनिक दूरी वाहन छोड़, पैदल चल पूरी करनी होगी।
कम करना होगा उपभोग, बिजली के उपकरणों का,
बिजली हेतु उपयोग, करना होगा सूरज की किरणों का।

इस प्रकार जीने से, छट जाएगा संकट का घन,
रोकेंगे हम महाप्रलय, करेंगे सुरक्षित जन जीवन।

वैभव सारस्वत - प्रथम वर्ष (EE)

वही गुरु कहलाता है

ईश्वर के बाद जो आता है, वही गुरु कहलाता है
पिछले जन्मो के पुण्यो से ही शिष्य गुरु को पाता है।।

मिट्टी के लिए कुम्हार है जो, सोने के सुनार है जो
हीरे के लिए जोहरी है जो, लोहे के लिए लुहार है जो,
सत्य सहज संसार है जो, वही गुरु कहलाता है
पिछले जन्मो के पुण्यो से ही शिष्य गुरु को पाता है।।

शिष्य की, भाषा - शैली विचार के पीछे, हर गुण और संस्कार के पीछे,
जिसका काज सामने आता है, वही गुरु कहलाता है
पिछले जन्मो के पुण्यो से ही शिष्य गुरु को पाता है।।

संसार मे, बिन गुरु के जीवन व्यर्थ रहा, संतो महापुरुषों ने है कहा,
गुरु का ना होता मान जहां, विद्या का ना होता ध्यान वहां,
सभी गन्थों का जो सार नजर आता है, वही गुरु कहलाता है,
पिछले जन्मो के पुण्यो से ही शिष्य गुरु को पाता है।।
जिस उपवन मे हम फूल बने उस उपवन का वो माली है,
फिर क्यों ये सबकुछ भूल-भाल कर, शिष्य देता गुरु को माली है।

लेखक - अतुल शर्मा (CS-A)

॥ मुझे विश्वास है ॥

मुझे विश्वास है, मेरा इश्वर मेरे साथ है।
करूँ भला, तो हो भला ।
यहाँ मेरा कुछ नहीं, सब उसके पास है।
मुझे विश्वास है, मेरा इश्वर मेरे साथ है।

आगे बढ़ने का मुझमे साहस नहीं,
सब उसने सिखाया है।
धीरे-धीरे कर्म करते रहना, उन्नति पाना आसान है।
मुझे विश्वास है, मेरा ईश्वर मेरे साथ है।

सब का मुझे पता नहीं, पर उसका मेरे सिर पर हाथ है।
उसके दिखाए मार्ग पर चलना, मेरा कर्म प्रधान है।
मुझे विश्वास है, मेरा ईश्वर मेरे साथ है।

सत्य कहूँ तो दुनिया मेरे खिलाफ है,
मेरे साथ तू ही मेरा आसरा और विश्वास है।
जीवन एक परीक्षा, परिणाम उसके हाथ है।
कर्म करने चलो, फल देना उसका काम है।
मुझे विश्वास है, मेरा ईश्वर मेरे साथ है।

वही सर्वश्रेष्ठ, परमपिता परमेश्वर,
सही जीवन का सार है।
मुझे विश्वास है, मेरा ईश्वर मेरे साथ है।

अक्षिता शर्मा - प्रथम वर्ष (EE)

किस्मत क़ून कलैं

डगमगाए पाँव पथ में मगर, जो हार गया वह शूर कहाँ।
सब किस्मत को अपनी रोते पर, किस्मत भी इतनी क्रूर कहाँ।

तनिक धूप से विचलित हो, छाँव देखी और भाग गया।
मंजिल तक जो पहुंचती राहें, जाने-अनजाने त्याग गया।

मुड़ पीछे देखा तो जाना, कि मझधार में फँसा हूँ मैं।
देख मुस्कुराते चेहरे जाना, छलित संसार में फँसा हूँ मैं।
व्याकुल कंठ बोलने को आतुर, पर सुनने को कौन खड़ा ?

जिसे अपना समझ बाँटा सब कुछ, वही मृत सा मौन खड़ा।
फिर वही भूलें दोहराऊँ मैं, मन इतना भी मजबूर कहाँ।
सब किस्मत को अपनी रोते पर, किस्मत भी इतनी क्रूर कहाँ।

वैभव सारस्वत - प्रथम वर्ष (EE)

प्लानिटिक के अंधाधुंध प्रयोग से

मानव जीवन संकट में

पृथ्वी पर पॉलीथीन के अंधाधुंध प्रयोग से सम्पूर्ण मानव जीवन एवम पर्यावरण आहत है। पृथ्वी संरक्षित होगी मानव जीवन भी सुरक्षित होगा। प्लास्टिक के दुष्परिणाम एवं विशैलेपन से आमजन को सतर्क और जागरूक कर हम पर्यावरण की रक्षा करने के साथ-साथ पृथ्वी को हरा-भरा बना सकते हैं। आज वैश्विक स्तर पर प्रतिव्यक्ति प्लास्टिक का उपयोग जहां 18 किलोग्राम है वही इसकी 'रिसायक्लिंग' मात्र 15.2 प्रतिशत ही है। आज प्रत्येक उत्पाद प्लास्टिक की शैलियों में मिलता है जो घर आते आते कचरों में तबदील होकर पर्यावरण को हालि पहुंचा रहा है। पर्यटन स्थलों, समुद्री तटों, नदी नालों, खेतों खलिहानों, भूमि के अंदर बाहर सब जगहों पर आज प्लास्टिक के कैंरी बैग्स अटे पड़े हैं। अरबों प्लास्टिक के बैग हर साल फेंके जाते हैं। चूंकि प्लास्टिक स्वाभाविक रूप से विघटित नहीं होता है। इसलिए यह प्रतिकूल तरीके से जीवन और पर्यावरण को प्रभावित करता है, पृथ्वी की उपजाऊ शक्ति कम हो जाती है और जमीन के नीचे दबे दाने वाले बीज अंकुरित नहीं होती है तो भूमि बंजर हो जाती है। चूंकि हम बचे खाद्य पदार्थों को पॉलीथीन में लपेट कर फेंकते हैं तो पशु उन्हें ऐसे ही खा लेते हैं जिससे जानवरों के स्वास्थ्य पर प्रतिकूल प्रभाव पड़ता है। यहां तक कि उनकी मौत का कारण भी पॉलीथीन है।

एक बार इस्तेमाल कर फेंके जाने वाले यानी 'सिंगल यूज प्लास्टिक' पर लगाम कसने की सरकार के स्तर पर युद्ध स्तर पर तैयारी शुरू हो गई है। हर मंत्रालय को इसकी जिम्मेदारी सौंप दी गई है, इस भयावह चुनौती से निपटने के लिए सरकार के साथ जनता को आगे आना होगा तभी मिलजुलकर मानव जीवन पर मंडरा रहे खतरों का सामना कर पाएंगे। भारत सरकार आमजन को प्लास्टिक प्रदूषण से आगाह करने के लिए वृहत्तर अभियान के दौरान विभिन्न कार्यक्रमों के माध्यम से प्लास्टिक प्रदूषण से जल जंगल और पृथ्वी को होने वाली हानि से साथ मानव के स्वास्थ्य पर पड़ने वाले विपरीत प्रभाव से अवगत कराने का कार्य शुरू कर दिया है।

भारत दुनिया भर में जूट उत्पादन के क्षेत्र में नंबर एक देश है। जूट व कपड़े के थैलों के इस्तेमाल को प्रोत्साहित करने के लिए देश भर में अभियान चलाये जाए। 'कॉरपोरेट सोशल 'रिस्पॉसिबिलिटी' के जरिए कपड़े की थैलियां सस्ते दामों पर मुहैया कराई जाएं तभी प्लास्टिक के प्रयोग को रोका जा सकेगा। यदि हमने अभी से पर्यावरण संरक्षण पर ध्यान नहीं दिया तो आने वाला मानव जीवन अंधकारमय हो जायेगा। यह प्रत्येक वयस्क का कर्तव्य है कि वह अपने आस पड़स के पर्यावरण को साफ सुथरा रखकर पर्यावरण को संरक्षित करे तभी हमारे सुखमय जीवन को सुरक्षित और संरक्षित रखा जा सकता है।

झा पूनम ओझा - सहायक प्राध्यापक,