

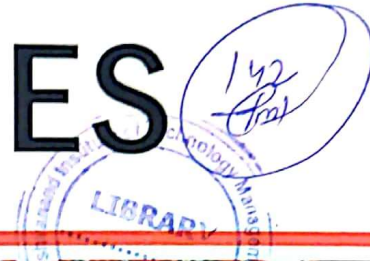
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THE SKIT TIMES



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Swami Keshvanand Ji
(1883 - 1972)

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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THE EDITOR SPEAKS



YES or NO

The art of saying no is often perceived as a greater challenge than saying yes, and thus this notion has gained a lot of currency over the last few years. Due to this stupefying leap in the faith of saying no, we find abundance of debates and discussions that hover around exploring the best way to accomplish this task. Ironically, the time that was spent on glorifying the impact of saying 'yes' is now devoted to mastering the art of saying no. Of course, it is completely fine to say 'no' when it is appropriate as there are situations that quintessentially require a blunt or firm 'no'. However, using this tool as an expression of showing power or reluctance to grow can be devastating. It may create a block to positivity, self-exploration, creativity and awareness.

On the other hand, saying yes, in the most challenging situations, is an acknowledgment of one's consciousness about their inner strength. It is a practice that helps us push our boundaries to distant horizons. I remember the lines written in the book The Year of Yes that describe 'yes' as a mantra that needs to be chanted daily. It should be, as I quote: 'yes to doing, yes to play, yes to a cause, yes to people, yes to help, yes to accomplishment, yes to compliments, yes to difficulties, yes to conversations, yes to who I am, yes to be beautiful in my own ways...' Our history bears testimony to the fact that all great souls that are remembered for their noble deeds must have said yes to themselves a hundred times.

So, what is your pick: 'yes' or 'no'?

Dr. Neha Purohit
Editor-in-Chief



NEWS FLASH

NATIONAL CONFERENCE ON "STRENGTHENING INDIAN ECONOMY AND BUSINESS: NURTURING THE PRESENT, INNOVATING THE FUTURE" - NOVEMBER 18-19, 2016

The Department of Management Studies successfully conducted a National conference on "Strengthening Indian Economy and Business: Nurturing the Present, Innovating the Future" on 18-19 November, 2016. The conference was sponsored by SIDBI and was organized in association with Rajasthan Chamber of Commerce & Industry, Indian Institute of Management Ahmedabad, Alumni Association Jaipur chapter, Akash Temple Developers, Laxmi Publications (p) Ltd., and IDBI Bank. It was attended by 13 eminent speakers, 40 faculty members and more than 200 student participants/ research scholars, policy makers from various institutes of different states of India and 50 research papers were presented which made this two day National Conference culminate on a highly successful note.

The inaugural ceremony of the Conference began with the august gathering in its beautifully decorated auditorium. The holy lamp was lit and Goddess Saraswati was beckoned to bless the occasion. The ceremony was allured by the presence of Shri Devendra Pathak (VC, K. N. Modi University & Chairman, CEGR Rajasthan State Council) and Shri C V Arun Kumar (Deputy General Manager, SIDBI). At the outset, Dr. Savita Choudhary and Mr. Atul Gupta, Conveners of the Conference welcomed all the distinguished guests, participants and people involved. This was followed by the speech of Shri Surja Ram Meel, Chairman, SKIT. He held the opinion that our Indian economy has to inspire an environment of exploration and innovation not only in technology and products, but in every tenet of business. Today's innovations will provide economic stability for the present and would provide opportunities of the future. Introducing the theme of the conference Prof. S. P. Garg, Dean, DMS delineated the important points to carry forward the economic growth. He laid stress on various sectors of the economy and corporate issues of management. Prof. Dr. S. L. Surana Director (Academics) spelled out the historical background of our economy and fluctuations in GDP from back then and now.

The session was then carried forward by the speech of Guest of Honor Mr. C. V. Arun Kumar which highlighted the commitment of SIDBI. Elaborating further on the theme, he emphasized on generating new ideas, and how we can effectively contribute towards strengthening our economy. Chief Guest Prof. Dr. Devendra Pathak talked about the progress of Indian economy and discussed the various strategies to surpass China and becoming a global leader. Befitting the occasion, a souvenir on the theme of the conference was released by the eminent guests and dignitaries. The briefing of the Souvenir was given by Prof. Vikas Shrotriya and Dr. Ona Ladiwal, the souvenir coordinators.

PLENARY SESSION I: INDIAN ECONOMY AND FUTURE EXPECTATION BUILDING A ROAD MAP

The first speaker of the plenary session, Shri O.P Agrawal (President of

Alumni Association-BITS AA, President of IIMAAA) focused on the social responsibility of business. The second speaker Shri Kailash Verma (AGM & Faculty, State Bank Staff College) highlighted the efficient uses of natural resources in India and its impact on Indian economy. The third talk was on demonetization and its impact on the Indian economy by Dr. Girish Goyal (Chairman, Coaching Classes Committee, Executive Member of ICSI and ICAI). The session was well coordinated by Ms. Maneesha Kaushik.

Plenary Session II: Business Leadership, Sustainable Development, Entrepreneurship & Technological Advancement The eminent Speaker Dr. Vinay Mohan (Founder of FIDCO, Ex director Finance and CMD Instrumentation Ltd.) talked on Project Appraisal issues and discussed how banks and other financial institutions can assist budding entrepreneurs to get their projects approved. Another speaker, CA Paresh Gupta, (Director & Co-Founder, Neos Angels and Mentor Network LLP) delivered talk on developing entrepreneurial skills in the young and budding managers. Followed by his talk, Prof. Anil Choudhary (Head IT Department, SKIT) began by sharing his views on technological reforms happening all around the world. He further stated the various digital marketing techniques and technological reforms taken by companies. The next speaker Mr. Gopal Garg (MD, Neelvow Corporation Pvt. Ltd.) stressed on effective communication with confidence, skill development, and importance of being educated and aware. The session was coordinated by Ms. Pallavi Biyani.

TECHNICAL SESSION: PAPER PRESENTATIONS

The second day of National Conference started with the paper presentations. This session was chaired by Mr. D.K Sharma (Ex. General Manager, Bank of Baroda and Dr. Manju Nair (Principal, IIMB). Mr. Sharma discussed various development issues of Indian Economy and encouraged the young scholars for R&D. Dr. Nair pointed out various labor issues and their implication in the Indian economy. Dr. Ona Ladiwal coordinated this session.

PLENARY SESSION III: MANAGEMENT ISSUES FOR NURTURING AND DEVELOPING INDIAN ECONOMY

Dr. D. S Rathore (Professor, Amity University) very lucidly brought out the concept of Wealth Maximization. Followed by his lecture Dr. Mukesh Jain (Associate Professor Dept. of Business Administration, University of Rajasthan) focused on various HR Issues and Social values for nurturing the Indian economy. Another speaker Mr. Naveen Sharma (Director, Ever Data Technology Pvt. Ltd.) discussed Infrastructure issues in Digitalization and cloud computing technology and its relevance in the present scenario. Last speaker of the session was Dr. Bhawna Johri (Assistant Professor, Dayalbagh

University). She highlighted the new dimensions of E-business and E-Commerce in today's scenario. Prof. Vikas Shrotriya coordinated this session.

All good things come to an end and so did the National Conference. The valedictory session witnessed the exhaustive conference report presented by Dr. Savita Choudhary, Conference Convener. Prof. Udai Kumar Yarangatti, Director MNIT was the Chief Guest of the session. In his valedictory speech he focused on the importance management principles and laid stress on selling proposition and techniques. He also urged participants to be creative and dynamic. This was followed by the distribution of the certificate to all delegates who have presented the papers in the conference and winners of the pre-conference events. Finally, the conference came to an end by the formal vote of thanks by the Conference Conveners: Dr. Savita Choudhary and Mr. Atul Gupta.

FELICITATION OF DR. S.L SURANA

It is said that great people have a great aura around them which makes the surroundings embrace greatness in all respects. This idea comes alive when SKIT talks about its mentor and driving force, Prof. S.L Surana. A father-figure to this institute, Dr. Surana has left no efforts in taking this institute to greater glories. With the name of SKIT, we also mention the contribution of Dr. Surana in taking the institute to the position it holds today. With such gratitude in heart, Prof. S.L Surana was felicitated with a token of reverence on the inaugural ceremony of ANCT-17. The entire SKIT fraternity witnessed the moment when Dr. Surana, along with Mrs. Surana received the token. Among the other people present on the stage were: Shri. Jaipal Meel, Director, SKIT, Mrs. Rachna Meel, Registrar, SKIT, Prof. S.K Calla, Director (D&W), and Prof. Ramesh Pachar, Principal, SKIT.

EXPERT LECTURE ON VARIOUS ASPECTS OF SMART GRID

An expert lecture on "Various Aspects of Smart Grid" was delivered by Dr. Rajesh Kumar, Prof. MNIT, Jaipur, for the students of Electrical Engineering on Sept. 26, 2016. This lecture helped students to gain knowledge about smart meters, smart appliances, renewable energy resources and energy efficient resources. The various features of smart grid like reliability, flexibility in topology efficiency, sustainability and market enabling were also itemized in the lecture. At the end he recited the challenges faced by smart grid which was then ensued by Mr. Sarfaraz Nawaz, Reader, Dept. of Electrical Engineering, extending a vote of thanks to him.



NATIONAL CONFERENCE ON EMERGING TECHNOLOGIES IN COMPUTER ENGINEERING - 2016

The department of Computer Science and Engineering successfully organised a National Conference on Emerging Technologies in Computer Engineering with the technical co-sponsorship of Computer Society Chapter, IEEE Delhi Section and in association with Infosys Technologies, on 25-26 November 2016. With a noble mission and a bright vision, the two-day conference provided an excellent platform for students to learn, present and discuss the current progress made by India in technology and the ways in which we can improve this progress rate. Besides this, the conference also aimed to deliberate on the enabling infrastructure, facilities and policies as well as the critical success factors that are required to sustain initiatives in computer engineering and information technology. The conference included focused panel discussions and sessions conducted by experts from many parts of the country.

The inaugural ceremony was unveiled by the lighting of lamp before goddess Sarasvati to mark an auspicious beginning of the



conference. The ceremony was allured by the presence of Shri Ambrish Kumar (Director, Agriculture Department Rajasthan), Mr. Ripudaman (Managing Director, Natural Group), Mr. Ravi Jain (Sr. Project Manager, Infosys Ltd.), Prof. K. Subramanian (Executive Vice Chair, IEEE Delhi Section), Dr. A. Murali M. Rao (Director CC, IGNOU,

& Chairperson-Computer Society & Member (ex-officio), Mr. Lawrence Mohanraj (Country Lead - Academic Initiative, IBM India Pvt. Ltd.), Shri Nishith Seth (Managing Director, SSPL Ltd and Secretary, EISSA, India), Shri Anil Kumar Bohra (Managing Director, Jaipur VidyutVitrans Nigam Limited), Mr. Sumit Srivastava (Sr Architect, Pratham Software).

Chairman SKIT, Shri Surja Ram Meel extended a cordial welcome to the dignitaries & guests and emphasised on the theme of the conference followed by the keynote address by the chief guest of the program, Shri Ambrish Kumar (Director, Agriculture Department, Rajasthan). The Guest of Honour Shri Anil Kumar Bohra (Managing Director, Jaipur VidyutVitrans Nigam Limited) addressed the audience with his words. Prof. (Dr.) S.L. Surana (Director Academics, SKIT) motivated students by his inspirational words and asked them to learn as much as they can from this two-day conference.

Mr Ripudaman (Director, Natural Group) gave an introductory speech, briefing everyone about the themes of the two day conference, followed by the inaugural address by Mr Kulvaibhav Kaushik (Technology Lead, Infosys Ltd.). The objectives and overview of the workshop were explained by Prof. K. Subramanian (Executive vice Chair, IEEE Delhi Section).

A motivational talk was given by Mr. Ravi Jain (Sr. Project Manager, Infosys Ltd.) & Mr. Lawrence Mohanraj (Country Lead-Academic Initiative, IBM India Pvt. Ltd.), boosted up students and inspired them to give their hundred percent attention to this informative conference. Mr. Jaipal Meel (Director, SKIT), Mr M. L. Bhargava (Advisor, SKIT) also plugged in the audience with enthusiasm. The inaugural ceremony ended with a vote of thanks by Prof. (Dr.) S. K. Calla (Director (D&W), SKIT).

The first speaker of the plenary session on Introduction to Cyber of Everything (COE) and Digital Future, Prof. (Dr.) K. Subramanian (Executive Vice-chair, IEEE Delhi Section) explained in his talk how the internet is going to play a vital role in the future. The second speaker on Data Science/Engineering Tools, Innovative Models and Technologies, Dr Muthukumarasamy Karthikeyan (Principal Scientist, CSIR, NCL Pune) made everyone aware of the growth in a number of innovations taking place every day and their impact in shaping our day to day activities. The third speaker Shri Madhav Chablani (Chair, Cloud Security Alliance, NCR Region) spoke on Cloud Security Architecture and Analytics, thus explaining everyone the broad set of policies, technologies, and controls deployed to protect data, applications, and the associated infrastructure of cloud computing.

The second day's first speaker, Shri Nishith Seth (Managing Director, SSPL Ltd and Secretary, EISSA, India) talked about Analytics & Cyber Crime Investigation, Fraud Detection & Prevention, making everyone aware of the increase in criminal activities carried out by means of computers or the Internet and ways in which we can protect ourselves from becoming a victim of cyber-crime. The next speaker, Dr A. Murali M. Rao (Director CC, IGNOU), spoke about Predictive Analytics.

The two-day conference was divided into three tracks. In track 1 entitled - "Web Applications and Network Security", a talk on

"Network Security and Web Applications" was given by the chairperson Dr A. Murali M. Rao (Director CC, IGNOU, & Chairperson-Computer Society & Member (ex-officio)). In this track of technical session, 11 papers were presented.

In track 2, entitled - "Product Development", a talk on "Context Aware Computing Using Machine Learning Techniques" was given by the chairperson Dr Sumit Srivastava (Senior Member, IEEE Delhi Section & Professor, Department of Computer Science & Engineering, Manipal University). In this track of technical session, 9 papers were presented.

In track 3, entitled - "Mobile & Pervasive Computing" a talk on "Mobile & Pervasive Computing: Tools" was given by the chairperson Shri Shital B. Mathur (Chief Executive Officer, Tetraskelion Software Pvt Ltd.). Another talk was given by Chairperson Dr Kavita Choudhary (Associate Professor (CSE), J.K. Lakshmi Pat University (JKLU)) on "Ubiquitous Computing & Internet of Things". In this track, 7 papers were presented.

Finally, the two-day conference was ended by a Valedictory ceremony where Prof. (Dr.) Anil Chaudhary (HOD-IT) proposed a vote of thanks to the guests and wished students a bright future. The guest of honour along with other dignitaries gave certificates to the paper presenters and prizes to the winners. Mr Jaipal Meel (Director-SKIT) pointed out that the discussions and the deliberation in the conference have shown new light and faith in the strength of partnerships and collaborations for development at a broader level.

WORKSHOP ON INTRODUCTION TO ROBOTICS AND EMBEDDED SYSTEMS



The E-Yantra team, SKIT conducted a two day workshop on "Introduction to Robotics and Embedded Systems" for a team of teachers from other colleges on 22nd - 23rd December, 2016 under the e-Yantra project of MHRD with IIT Bombay. The main concern was "Firebird V" robot. Firebird V is a research platform based on Microcontroller Atmega 2560 as a master and Atmega 8 as a slave. LCD, LED bar, white line sensors, sharp range sensors, DC geared motors, X-bee module and RF receiver.

Three project engineers Mr. Parin chheda, Mr. Sachin Gupta and Mr. Vamshi Krishna from IIT Bombay came to deliver lectures in the workshop. 50 faculty members of 12 engineering institutes of Rajasthan participated in this workshop. Finally a white line follower robot was made.

WORKSHOP ON NET NEUTRALITY IN ASSOCIATION WITH TRAI

A workshop on "Net Neutrality" was organized in the Kautilya Seminar Hall, DMS on 25th January 2017. The workshop started with the welcome of all the dignitaries as well as providing questionnaire and a handbook to all students regarding net neutrality.

Ms. Maneesha Kaushik addressed the guests as well as the dignitaries and also the faculty members and students. She touched upon a few points regarding net neutrality and the chronologically published several policies by TRAI.

After Ms. Maneesha Kaushik, Professor S.P Garg, Dean, DMS gave a brief about the purpose of the topic of the workshop. He described about the proactive initiatives by DMS as well as TRAI.

Mr. S. L. Surana gave regards to Ms. Bhawana Sharma and Mr. Manish Lodha and welcomed all for coming to the workshop.

Mr. S.K. Calla highlighted that the topic was very relevant and students were lucky enough to have such kind of a workshop in their department. He also asked the students to give their ideas and suggestions on this topic.

Ms. Bhawana Sharma while delivering her keynote address focused on the youth who happen to be the most affected people as far as the topic is concerned. TRAI regulates two major sectors - telecom and informational broadcasting.

Differential pricing and favoring access to internet for some user, was denied by TRAI. She also touched upon certain points of digital marketing.

Mr. Manish Lodha, Joint Advisor, TRAI gave an interactive presentation on Net Neutrality. He emphasized on what TRAI does regarding net neutrality, its concept and its relations with the stakeholders. He also gave the Indian perspective to the workshop topic as well displayed the approach, traffic management of TRAI and net neutrality framework for India.

He concluded that our decisions would help a lot in the future of evolution and regulation of technology.

Professor Dr. Vikas Shrotriya ended the workshop by giving a vote of thanks to the guests from TRAI as well as all the dignitaries, faculty members and all the students.

INDIAN KARTING CHAMPIONSHIP 2017

Nexus Training Institute organized a national level go-kart event named Indian Karting Championship held at PCNTDA Automotive Testing Track Bhosari, Pune from January 26 to 29. Around seventy teams enthusiastically participated from all over India. Our college team Xcelerators also participated and secured 2nd rank in virtual round and overall 19th Rank in the competition.



On 26th January The Captains and Drivers meet happened in which the organization committee told about all the rules mentioned in the rulebook, the flags and their respective meanings and the penalties. On the second day of the event, the design evaluation and design inspection round was started along with vehicle and driver's safety inspection after the technical inspection round vehicle was lined up for the brake test which was also the disqualification round.

On the last day the pre-endurance race and final race were held. In the pre endurance race the team could cross some major milestones before the end.

FACULTY DEVELOPMENT PROGRAM 2016

A three day faculty development program was organized in the Department of Mechanical Engineering from December 22-24, 2016. The program had the prime objective of making faculty aware about various teaching-learning methods and various rules. The course and content of the program was designed and taught by Prof. (Dr.) N.K. Banthiya, HOD, ME. Faculty members from all the departments of the institute participated in this faculty development program.

AWARDS

The faculty members of the department of Computer Science and Engineering / Information technology have set a benchmark for their excellent performance in INSPIRE - 2016 (Technical Skills-Nominations) for Faculty Partnership Level, awarded by INFOSYS.

Following is the list of faculty members who received "Inspire Faculty Excellence Awards" from Infosys.

FACULTY NAME	PARTNERSHIP LEVEL
Prof. (Dr.) Anil Chaudhary	Gold
Prof. (Dr.) C. M. Choudhary	Gold
Mr. Mahender Kumar Beniwal	Gold
Mr. Pankaj Dadheech	Gold
Mrs. Anjana Sangwan	Gold
Dr. Shubhra Saxena	Bronze
Mr. Kanak Giri	Bronze
Ms. Deepa Modi	Bronze

SAEINDIA STUDENT CONVENTION 2017

A group of 85 students and two faculty advisors Mr. Chandan Kumar and Mr. Yogesh Kumar Sharma of SAEINDIA Collegiate Club of SKIT participated in SAEINDIA Student Convention on 28th January, 2017 at Manipal University, Jaipur, Rajasthan. This convention included lectures by eminent speakers from academic and automotive sectors like IOCL, Maruti Suzuki Limited and also included various student activities like paper and poster presentation, technical quiz, and project exhibition. The objective of the convention was to provide a platform to faculty members, researchers and students for presenting recent advances and future directions in Automotive Engineering. The highlight of the convention was an intriguing panel discussion by several worthy panelists from the industry and academia. Dr. S.L. Surana, Director, Academics, SKIT was also one of members of the panel.



PANEL DISCUSSION at SAEINDIA Student Convention, Manipal University, Jaipur, Rajasthan

Prizes at SAEINDIA Student Convention, Manipal University, Jaipur, Rajasthan

S. No.	Competition	Position
1	Technical Quiz	I
		II
2	Paper Presentation	I
3	Sketching	I



INTERACTION ON ROLE OF CORE BRANCHES IN SOFTWARE COMPANIES

Ms. Bharti Krishna, an alumna of SKIT (2015 Batch), interacted with students of Electrical Engineering on Jan 31, 2017 with a motto of enlightening the students on "The Role of Core Branches in Software Companies". She joined Infosys in 2015 after completing her professional training at The Global Educational Centre, Infosys Mysore. She is currently working on a project by British Petroleum.

She started with an informal interaction with students and shared experiences of her college days. The basic idea behind her interaction was to teach students that they should be clear about what they have to do. By sharing her experiences in the company and throwing light on students' problems, she proved herself as a perfect senior.

She suggested students to not to refrain themselves from choosing software companies even if they were from core branch as there are bundles of opportunities for everyone. The session was very informative and interesting and ended with a vote of thanks by Mrs. Deepthi Arela, Assistant Prof., Dept. Of Electrical Engineering.



INTERNATIONAL CONFERENCE ON NEW AND RENEWABLE ENERGY RESOURCES FOR SUSTAINABLE FUTURE (ICONRER - 2017)

An International Conference on "New and Renewable Energy Resources for Sustainable Future (ICONRER-2017)" was organized by the Department of Mechanical Engineering from February 02, 2017 to February 04, 2017. Two international guest speakers addressed two plenary sessions of the conference. A total of 272 papers were received, including 20 papers from outside India, from IITs, NITs, State Universities, and various other institutions affiliated to different universities. Forty (40) papers were received from faculty and students of various departments of SKIT. Out of 234 accepted, 144 papers were personally presented during the Conference in 32 Technical sessions in 4 parallel tracks and 8 Technical sessions per track.

The Inaugural session was graced by Sh. B. K. Doshi (Managing Director, Rajasthan Renewable Energy Corporation Limited) as the Chief Guest and Prof. Dileep N. Malkhede (Advisor – I, Research Institution & Faculty Development (RIFD) Bureau, AICTE) as the Guest of Honour. Sh. B. K. Doshi projected some of the ongoing projects to strengthen the country in the energy sector by renewable means. Prof. Malkhede elaborated upon the efforts made by AICTE to increase research in the renewable energy field. Sh. Surja Ram Meel (Chairman), Sh. Jaipal Meel (Director), Prof. S. L. Surana (Director Academics), Dr. S. K. Calla (Director- D & W), Prof. R. K. Pachar (Principal) and Prof. N. K. Banthiya (HOD-ME) graced the inaugural Ceremony with their benign presence.



The valedictory session was graced by Sh. Nageen Kumar Kothari (Chairman & Managing Director, RVUNL) as the Chief Guest and Sh. A. K. Jain (Chairman, REIL) as the presiding guest. Prof. N. K. Banthiya presented technical report and shared his experiences with the participants and peers of institute about this first international conference organized by SKIT, Jaipur. Mr. Ashish Nayyar (Convener, ICONRER-2017) proposed a formal vote of thanks to all the delegates, participants, students, management of SKIT and organizing committee members of the conference for making it a great success. A souvenir was published for the Conference containing messages from Hon. Prime Minister Shri Narendra Modi, Hon. Chief Minister of Rajasthan Smt. Vasundhara Raje and other VIPs. The souvenir contained abstracts of all the accepted papers and was distributed to all delegates and guests.

KEYNOTE SPEAKERS

Nearly 500 students benefitted from various session keynote addresses of domain experts from academia, research and industry who also chaired the 32 conference sessions. The keynote speakers included Prof. S. L. Surana (SKIT, Jaipur), Prof. N. K. Banthiya (SKIT, Jaipur), Prof. G. D.



Sharma (LNMIIT, Jaipur), Mr. Praveen Jain (Chairman-IE(I)), Prof. R. A. Gupta (Secretary IE (I) & Professor- MNIT, Jaipur), Prof. Y. K. Vijay (VGU, Jaipur), Prof. Dilip Sharma (MNIT, Jaipur), Dr. Manaswita Bose (IIT Bombay), Prof. Deepak Sharma (CTAE, Udaipur), Dr. G. D. Agarwal (MNIT, Jaipur), Dr. Brijesh Tripathi (UCE-RTU, Kota), Dr. Vikas Bansal (UCE-RTU, Kota), Dr. Geetanjali Kaushik (Clean Air Asia, New Delhi), Dr. H. K. Shivanand (UVCE, Bengaluru), Mr. Anup Kacker (SAE-NIS, New Delhi), Dr. Arindam Kuila (Banasthali Vidhyapeeth, Newai) and Mr. Sunit Mathur(RRECL, Jaipur).

SPONSORSHIP

The conference was able to secure sponsorships from The Institution of Engineers (I), ProCAD, Rajasthan National Handloom, Rays Experts. In addition, non-financial support was also received from Society of Automotive Engineers (SAE) Northern Section, Indian Society for Technical Education (ISTE), American Society for Mechanical Engineers (ASME) Student Section and EasyChair.org.

JOURNAL COLLABORATION

Two international journals published by Inderscience Publishers have agreed to publish quality papers in their special issues. These two journals are: International Journal of Renewable Energy Technology and Interdisciplinary Environmental Review. A special issue of SKIT Research Journal may also consider some papers.

PANEL DISCUSSION ON IMPACT OF UNION BUDGET 2017-18 ON VARIOUS SECTORS OF INDIAN ECONOMY

On 3rd February 2017, the Department of Management Studies organized a panel discussion on the impact of recent union budget on various sectors of Indian economy. This is the first budget after the disbandment of Planning Commission and is announced by our Finance Minister Arun Jaitley. The panel discussion was coordinated as well as compeered by Aayushi Ramdeo and Akshay Mutreja, students of 2nd Semester, MBA. The panelists were also from the 2nd semester and the areas that they covered were as follows:

1. Shafaq Arif-Agricultural and Rural Sector
2. Priyanka Kumari-Industries and MSME Sector
3. Payal Gupta- Education Sector and Skill Development
4. Harshvardhan Sharma- Digitalization in Various Sectors of Economy
5. Gorisha Soni- Infrastructure and Service Sector
6. Anurag Singh- Social Sector
7. Shikha Vijay- Taxation
8. Ashraf Ali- Banking and Financial Sector

After the panel discussion there was an open session between the panelists and a Q&A Session between the panelists and the audience. Later, Ms. Pallavi Biyani, Ms. Maneesha Kaushik and Prof. Dr.Vikas Shotriya gave their expert views. Prof. S.P Garg also shared his views on this panel discussion and said that students should continue this self learning mode so that they could learn maximum out of it.

CONVENERS

Mr. Ashish Nayyar and Dr. Manu Augustine were the conveners for this conference. Mr. Dinesh Kumar Sharma was the Co-Convenor. Mr. Ankit Agarwal, Dr. Vinita Sharma and Dr. Rishi Vyas were the Organizing Secretaries of the Conference.

PLENARY TALKS

Prof. Ahmed Hamza H. Ali (Mechanical Engineering Department, Assiut University, Assiut, Egypt) presented his research work on Solar Assisted Air Conditioning System in the first plenary session on February 02, 2017. He emphasized on the use of solar assisted air conditioning to cater the HVAC needs and to contribute towards a sustainable future. Prof. Muataz Hussein (Senior Scientist and Professor, Qatar Environmental & Energy Research Institute, Qatar) talked about the use of "Nanofluids to Enhance Heat Transfer" in the second plenary session on February 03, 2017. He explained about the recent advancements in the heat transfer field with the applications of nanofluids.

On February 04, 2017, Prof. K. N. Seetharamu (Chair Professor, PES University, Bengaluru, and former Professor, IIT Madras) gave a presentation on Transient Analysis of a Cylindrical Solar Water Heater and Transient Analysis of a Liquid Solar Collector during the third plenary session.

EXPERT LECTURE ON 'ARTIFICIAL NEURAL NETWORKING'

Department of Electrical Engineering witnessed an Expert Lecture on 'Artificial Neural Networking (ANN)' by Prof. Akhil Ranjan Garg on Feb 6, 2017. Mr. Akhil Ranjan Garg is a Professor in J. Narayan Vyas University, Jodhpur. The program started with the formal welcome of Prof. Garg by Dr. Ramesh Kumar Parchar, Principal, SKIT. Prof. Garg defined ANN as an information processing paradigm based on biological system. Throwing light on its applications (pattern classification, clustering, prediction, control etc) he enumerated the differences between Biological Neural Networking and Artificial Neural Networking. Citing that ANN are now been used by companies like Amazon, Google and many more he concluded by saying that it can be applied in any field. The seminar proved to be knowledgeable and enjoyable and ended with a vote of thanks for spending his valuable time with us.

AWARDS TO SKIT DURING 2016-17

SKIT was conferred with the following awards during the previous year:

- The Most Promising Engineering Institute in India" by Jagran Josh (Dainik Jagran Group) (2017)
- The Best Institute for Outstanding Placements record in Rajasthan" by the Governor of GOA (2017).
- The Best Innovative College" by Rajasthan Education Summit and Awards (2016)
- Ranked I among Engineering Colleges of Rajasthan by Dialogue India Academia Awards (2016).



TUTORIALS AND THE NATIONAL CONFERENCE ON “ADVANCEMENT IN NANO-ELECTRONICS AND COMMUNICATION TECHNOLOGIES” (ANCT-2017)

Tutorials and the National conference on “Advancement in Nano-Electronics and Communication Technologies” (ANCT-2017) were organized from 9 to 11 February, 2017 by the department of ECE. Eminent persons from various parts of India participated in the conference and shared their experiences. Dr. S. K. Bhatnagar, HoD ECE, SKIT was the convener and Mr. Praveen Kumar Jain, Dr. Mukesh Arora were the co-conveners of the conference. The tutorials and the conference were student-centered. The modus delivery of knowledge was through invited talks by experts. Sixteen expert talks were delivered during the conference. Padamshree P. S. Goel (Former Secretary, Ministry of Earth Science, government of India) was the Chief Guest. Dr. V.N. Walivadekar (Ex- Director, CEDTI, Augangabad) was the Guest of Honor. Shri Jaipal Meel (Director, SKIT), Dr. S. L. Surana (Director, Academics) and Dr. S. K. Calla (Director, D&W) expressed their views in the conference. Dr. Ramesh Pachar (Principal, SKIT) also graced the occasion. The conference was preceded by six excellent tutorials. Mr. Bipin Kumar, MNIT, Jaipur was the resource person for two tutorials on Electromagnetic Field Theory. The target audience was IV Semester students. For the VI Semester students, two tutorials were given on Communication & Microwave Engineering. The resource persons were Dr. P. C. Jain, (Shiv Nadar University, NOIDA) and Dr. A. K. Sharma, (GIT, Jaipur). For the VIII Semester students two tutorials were given on Nanostructures & Nanotechnology. The resource persons were Dr. Anil Kumar, CEERI, Pilani and Dr. P. K. Khanna, CEERI, Pilani.

An innovative feature of the deliberations was a special session on “VISIONARY THOUGHTS”. Eminent teachers and researchers shared their vision. The discussion was interactive and fruitful to all. Prof. (Dr.) Sandeep Sancheti, (President, Manipal University, Jaipur) chaired the session. Dr. Manjunath V. Joshi, Dr. V. N. Walivadekar, Dr. Dharendra Mathur, Dr. Rajeev Gupta, Mr. Gunjan Saxena, Mr. Surendra Kumar, Dr. S. L. Surana, Dr. S. K. Calla, Dr. S. K. Bhatnagar, Dr. Mukesh Arora were among the other dignitaries. Budding authors need one to one interaction with many persons – their colleagues, audience and the experts. This opportunity was offered through poster session.

SAEINDIA BAJA 2017 ATV DESIGN COMPETITION

A team of 25 students and two faculty advisors Mr. Rajendra Singh Chundawat and Mr. Sudhanshu Chajjed participated in SAEINDIA BAJA 2017 competition at Pithampur, Indore, Madhya Pradesh held from 15th to 21st February, 2017. In this competition, All Terrain Vehicle fabricated by Team Xecelerators of SKIT was tested for static and dynamic events and SKIT team cleared all inspections and qualified for the endurance race. The endurance track comprised various difficulties like: Hill Climb, Herringbone, Muddy Flaps, Booby Trap, Uneven Track, Loose Gravel and much more difficulties than the previous year. The team of SKIT completed 9 laps of 5.2 km each and secured overall 67th national rank out of 150 teams and 1st rank in Rajasthan. A recruitment drive was also organized by the SAEINDIA in which one of our student from final year Mechanical Engineering Mr. Himanshu Jain got placement in Endurance Pvt. Limited as a Graduate Engineer Trainee.



LECTURE ON "ROAD ENGINEERING AND SAFE ROAD CONCEPT" AT RAJASTHAN POLICE ACADEMY

Er. Nishant Sachdeva, Assistant Professor, Civil Engineering Department was invited to deliver a lecture on "Road Engineering and Safe Road Concept" organized by the Centre for Road Safety, Sardar Patel University of Police, Security and Criminal Justice, Jodhpur. This lecture was held at Rajasthan Police Academy on 9th February 2017. Teachers from government schools of Rajasthan were present there to attend the lecture. The motive of the lecture was to spread awareness related to basic road engineering which included: Classification of roads, road signs, road markings, traffic signals and safety points on roads etc.

QUIZ COMPETITION IN CIVIL DEPARTMENT BY ULTRATECH CEMENT

The first round of a state level quiz competition named "CON-Q" was organized by Ultratech Cement in the civil engineering department on 8th February 2017. 60 engineering colleges from different regions of Rajasthan took part in this competition at 14 nodal centres. SKIT was the nodal centre of Jaipur region in which students from 13 Engineering colleges participated in the preliminary selection round. The finale round of CON-Q took place on 15th March. This event was co-ordinated by Mr. Nishant Sachdeva and Mr. Hemant Shrimali (Ultratech Cement).

RAJASTHAN HACKATHON

On February 16, 2017, the department of Information Technology & Communication, Government of Rajasthan announced a grand event – Rajasthan Hackathon to take place on 20th and 21st March 2017 at Birla Auditorium, Jaipur. This event was carried out in two phases –

1. Idea Submission (Extended Last date Mar 12, 2017)
2. Project Submission (Finale) (Mar 20 & 21, 2017)

Five teams from SKIT participated in the summit with five great ideas.

VARIOUS QUIZ COMPETITIONS HELD AT DMS

- The Productivity Quiz on: "From Waste to Profits: Reduce, Recycle & Reuse" held during the National Productivity Week was sponsored by IIM-A Alumni Association and Rajasthan State Productivity Council. Cash prizes worth Rs.3000 were awarded. The 1st position was secured by Mr. Harsh Vardhan Sharma and the 2nd position was secured by Mr. Anil Poonia.
- The Quiz Competition on Foreign Trade Policy and Procedures was sponsored by Directorate General of Foreign Trade and World Trade Council. The 1st prize was given to Mr. Anil Poonia, 2nd to Ms. Varsha Agarwal and 3rd to Ms. Neha Idnani.

PARTICIPATION IN INTER INSTITUTE ACTIVITY PROGRAMME "MOSAIC-2017" AT IIM, MANSAROVER, JAIPUR

On 27-29 March, 14 students of DMS, SKIT participated in the Inter Institute Activity Programme "MOSAIC-2017" at IIM, Mansarover, Jaipur. This annual management fest offers a platform to budding managers to conceptualize, innovate and implement their ideas and at the same time learn from fellow participants. The students participated with full zeal and enthusiasm. On the day 1, students participated in Quizzard (The Quiz), Take the street (Musical Street Play), The Czar of Mosaic-Round 1 and Chain the Rhythm (Antakshari). Mr. Harsh Vardhan Sharma and Mr. Anil Poonia were also the finalists in Quizzard.

On the day 2 of Mosaic, students participated in The crafty edge (Developing the strategy), Picasso (Object Painting), Bulls N Bears (Virtual Share Trading), Big idea (Poster Making), Ad Guru (Create an advertisement), The Czar of Mosaic- Round 2nd, Hot stepper (Dance).

On the day 3 of Mosaic, students participated in Strings unplugged (Music), The Czar of Mosaic- Round 3rd. Mr. Harsh Vardhan Sharma was the finalist in Czar of Mosaic. Later, students got participation certificates after the valediction ceremony. The event was a success.

CONCRETE CUBE COMPETITION BY ICI STUDENT CHAPTER

A state level concrete cube competition was organized by ICI- Student Chapter of SKIT in association with Ultratech cement. Around 50 engineering colleges registered for this event. In this event, each team of two members were asked to design 3 concrete cubes of target strength 30kN/m². This competition was headed by Mr. Nishant Sachdeva (ICI Co-ordinator) and Mr. Kishan Lal Jain.



FACULTY ACHIEVEMENTS

- **Life Time Mentor Award to Dr. N.K. Banthiya**

Dr. N.K. Banthiya, Professor and Head, Mechanical Engineering Department was felicitated with Lifetime Mentor Award by BITOSA (Birla Institute of Technology Old Students' Association), Jaipur Chapter in February, 2017 Meet.

- **Expert Talk by Dr. N.K. Banthiya**

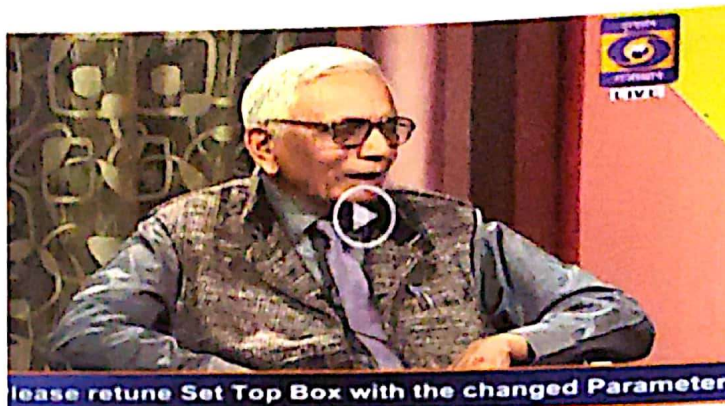
Dr. N.K. Banthiya, Professor and Head, Mechanical Engineering Department was invited as an expert by Doordarshan Rajasthan for its talk show 'Dishayen'. The topic of the program was 'Careers in Mechanical Engineering'. The presenter of the program was Prof. Puneet Sharma. A number of VIII Semester students and some faculty members of the Department of Mechanical Engineering, SKIT were the participants in the program.

- **Industry - Institute Interaction**

Appreciation Letter-1 : Mr. Ajay Dhanopia and Mr. Mohit Soni student of IV year ME Deptt. were appreciated by M/s Hulikkal Electro (India) Pvt. Ltd. for successfully completing the assigned project entitled as " 3D model for Electrical Wheel Chair ". The design was useful in getting the customer order and shall be put to use in manufacturing of the product.

Appreciation Letter-2: Mr. Ajay Dhanopia and Mr. Deepansh student of III year ME Deptt. were appreciated by M/s Hulikkal Electro (India) Pvt. Ltd. for successfully completing the assigned project entitled as " 3D model for Electrical Trike ". The design was useful in getting the customer order and shall be put to use in manufacturing of the product.

Appreciation E-mail: Shri Sudhir Nijhawan Managing Director of Nify Innovations Private Limited, Jaipur appreciated 'Low Cost 3-D Printer' project which was designed and developed by the final year ME students (Amol Dhupar, Vikas Kumawat, Mudit Gupta, Uzair Khan, Akhilesh Pareek) and guided by Mr. Ajay Kumar Dhanopia in Project Expo-2017 organized at SKIT campus on 15th February 2017.



INTERACTION WITH THE OUTSIDE WORLD

- Mr. Ajay Dhanopia has been appreciated by Mr. Kathleen Walsh - Sr. Editor of International Journal named Orthopaedic Research Physiotherapy. Herald Scholarly Open access, USA, for his previous research paper 'Finite Element Analysis of Human Fractured Femur Bone Implantation with PMMA Thermoplastic Prosthetic Plate' published in Elsevier Procedia Engineering and uploaded at google scholar.
- He was also invited as a key speaker and chaired a specific session by Ms. Emma Wang - (Program Coordinator) in BIT's 4th Annual World Congress of Orthopaedics-2017, which will take place in Taiyuan, China during September 22-24, 2017. BIT's 4th Annual World Congress of Orthopaedics 2017 (WCORT-2017) is hosted by Shanxi Medical Association, the second affiliated hospital of Shanxi Medical University, supported by the Chinese Journal of Orthopaedics, Orthopaedic Surgery, Journal of Practical Orthopaedics, and operated by BIT Group Global Ltd.

PROJECT LABORATORY

As a result of immense efforts by Mr. Ajay Kumar Dhanopia and Mr. Rabinder Choudhary (Technician), the Project Lab has been developed in Mechanical Engineering Department during Nov.,2016 to Feb., 2017. It is a suitable place not only to exhibit the projects already made by students, but also students work here for their current projects.

INDUSTRIAL VISIT TO PARLE BISCUITS PVT. LTD.

On 8th March, 2017, the students of Department of Management Studies visited the Parle Industries situated in the Alwar district of Neemrana, Rajasthan to know more about the working and management of the products manufactured over there and to understand their strategies and policies.

The HR of the Parle Industries welcomed all the students and faculty members, Ms. Maneesha Kaushik and Ms. Pallavi Biyani. They also showed a short video clip introducing all their products of biscuits and candies and explained in detail how the units manufactured these. The confectionery skills of the founder of the company and how they executed their idea from Germany to India was also briefed to the students.

After the audio visual experience, the students were taken on a tour to the industry to have a look at how machineries and plants produce their products through various stages.

Students also got the chance to understand all the temperatures and climate they need to manufacture all their products. The centre of attraction was the Asia's largest Oven and is divided into ten phases and takes also 1.5 hr to produce 1,50,000 tones of biscuits.

The visit was a success and students learnt a lot from Parle Industries regarding their competition strategies, brand management, financial structure, supply chain management and waste management.

AUTOMATON - 2017

As per the culture of SKIT, an annual Robotics event was organized in this year's PRAVAH. Every year students from various engineering colleges with a very high competitive spirit and determination participate to include their achievements and accomplishments to their resumes and gain an extra pound of knowledge.

For the preceding academic Year 2016, robotics club organized AUTOMATON - 2016. This year the club organized AUTOMATON - 2017 with enthusiasm and determination with a new set of student coordinators and volunteers.

This year again a new zeal was seen among the participants and the huge crowd that gathered to see the creativity of the student in the field of ROBOTICS. The fest is organized every year with the objective to provide platform for the students to showcase their talent with a competitive spirit. The event was successful enough to attract more than 200 students and about 50 teams for registrations. The fest executed with a total of 3 major events planned and organized at its best level of quality. Focusing on the way of conducting events and strategy in the fest, was decided by fest coordinators and team AUTOMATON keeping the interest and need of the engineering student into consideration, with little emphasis on the fun full events behind the scene.

The main event organizers were:

- Suraj Kumar (ME 3rd year)
- Anand Kumar (ME 3rd year)
- Sunil Kumar (ME 3rd year)

S. No.	Event	Coordinator
1	Robo Race	Aayush Swami (6 th sem EE), Arun K. Kumawat (6 th sem ME)
2	Line Follower	Lakshya Jain , Abhishek Gupta (6 th sem EC)
3	Robo Soccer	Mayank Aggarawal , Lakshya yadav (4 th sem ME)
4	Block Warrior	Neha Saini (6 th sem EE), Rakshit Bhandari (6 th Sem ME)
5	Junkyard War	Shailendra Saraswat (4 th sem ME), Chandan Kumar (2 nd sem ME)

More than 50 teams from all over colleges in Jaipur including JECRC, SBCET, GTC, ARYA and GIT etc. participated in these events. The fest ran smoothly and ended at 3:00 PM as scheduled. The winners from each event were awarded. The prize distribution ceremony was conducted by faculty coordinator Mr. Praveen Saraswat (Sr. Lecturer, M.E. Dept.). The ceremony was graced by the presence of Mr. Dheeraj Joshi (Dy. HOD, M.E. Dept.).





The winners of various events were:

1. Robo Soccer	<p>Winner- (SKIT, Jaipur)</p> <ul style="list-style-type: none"> • Shekhar Swami (2nd year, ME) & team Runner up- (GIT, Jaipur) • Team GIT College
2. Robo Race	<p>Winner- (SKIT, Jaipur)</p> <ul style="list-style-type: none"> • Shekhar Swami (2nd year, ME) & team Runner up - (SKIT, Jaipur) • Chandan Kumar (1st year, ME) & team
3. Line Follower	<p>Winner- (SKIT, Jaipur)</p> <ul style="list-style-type: none"> • Priyadarshi Singh (2nd year EC) & team Runner up- (SKIT, Jaipur) • Aishwarya Jain (2nd year, EC) & team and Kritarth Paliwal (2nd year, EC) & team
4. Galactic Trooper	<p>Winner – (SKIT, Jaipur)</p> <ul style="list-style-type: none"> • Chandan Kumar (1st year, ME) & team

SEMINAR ON FROM WASTE TO PROFITS: REDUCE, RECYCLE & REUSE

The Department of Management Studies organized a Seminar on: 'From Waste to Profits: Reduce, Recycle & Reuse' in collaboration with IIM, Ahmadabad Alumni Association, Jaipur Chapter & Rajasthan State Productivity Council during the National Productivity Week. The theme was introduced by Prof. S.P.Garg, Dean, DMS where he gave an idea about how the waste can be properly utilized to make it more productive and more useful for further use.

Prof. Dr. S. L.Surana gave regards to the guests and welcomed all for coming to the seminar. Dr. S.K.Calla appreciated the relevant topic and asked the students to give their ideas and suggestions on this topic. Then there was a talk session by Ms.Appali Mathur, 2nd Semester, DMS, where she discussed how we can get energy and money from recycling and that changing practices can recycle waste heat and generate power from it. Ms. Pratiksha Mittal, 2nd

Semester, DMS talked on 3R's: Reduce, Recycle & Reuse in relation with the hotel industry and how they help hotels reduce waste and reap the associated benefits. Shri O.P Agarwal, IIM-A Alumni Association, Jaipur Chapter, entreated not to neglect the litter around the campus as well as our society. He insisted on spreading cleanliness and minimizing the waste. Shri U.C.Jain, Honorary Secretary General, RSPC, Jaipur highlighted the need for accelerated growth through higher productivity and quality that has never been felt more. There was also a talk by Mr.Abhishek Jangir, 4th semester, DMS who gave some practical examples of the three R's from recent corporates like Pepsi, iPhone etc. Ms.Saloni Vyas, 2nd Semester, DMS gave different ideas on how plastic can be recycled from time to time. The keynote address by Dr.Anupam Singh, from Institute of Engineering & Technology, J.K. LakshmiPat University was focused on recycling of solid and industrial waste and equipments for treating waste water and to make it reusable for further purposes. The vote of thanks was given by Prof. Dr. Vikas Shrotriya and the seminar was a complete success.

NATIONAL CONFERENCE ON GLOBALIZATION, COMMUNICATION, TECHNOLOGY & THE TEACHING OF ENGLISH

The department of English organized a national conference on Globalization, Communication, Technology & the Teaching of English on 24-25 March 2017. The conference witnessed intellectual deliberations in panel discussion and research paper presentations at parallel sessions. The inaugural ceremony was held on 24 March in Gyan Mandir auditorium. The dignitaries included Prof. N. Krishnaswamy, former Professor, EFL University, Prof. S.L. Surana, Director Academics, Mrs. Rachna Meel, Registrar, Prof. JN Sharma, Prof. NK Jain, distinguished professors and guests from MNIT and the University of Rajasthan. At the outset the guests were welcomed and acquainted with SKIT by Prof. S.L. Surana. Dr. Niraja Saraswat, convenor of the conference, apprised the guests of its details. It was followed by the key note address of Prof. N.

'The Role of Translation in Teaching English'. Prof. Malathi stressed on the importance of translation in the teaching of English language through her personal experiences. She championed the philosophy of using translation to connect with the students. She also candidly asserted that this method not only lasts long but also assists in establishing a better connect. The session was followed by parallel sessions which were chaired by Prof. Aruna Pandey, Associate Professor, University of Rajasthan, Dr. Charu Mathur, Associate Professor, University of Rajasthan, Dr. Urmil Talwar, Directorate of College Education. The second day concluded with an engrossing panel discussion on 'Literature in English or English Literature : Changing Perceptions of Literature and How to Change Our Attitude ,Materials, and Methods'. The participants included the stalwarts of



Krishnaswamy. Prof. Krishnaswamy who spoke on globalization and its inherent threats in light of the change in food choices and the vices associated with it. His analogies and puns enthralled the audience.

The inaugural ceremony was followed by a scholarly lecture by Prof. Rajinder Ahluwalia, Professor, Cambridge English Trainers (an EFL institute) on 'Use of web tools for effective teaching and learning in large ESL classes'. His session served as a ready reckoner for language professionals. It was followed by the parallel sessions of paper presentations. The paper presenters came from different parts of India. Prof. Mini Nanda, former head, University of Rajasthan, Dr. Nidhi Singh, Associate Professor, University of Rajasthan, Prof. Lalitha Krishnaswamy and Dr. Narendra Kumar, Head, Dept. of English, LNMIIT chaired the sessions. Stimulating discussions on various aspects of teaching and learning the English language took place. The poster presentation by the students of various years added more charm to the conference. The first day concluded with the address by Prof. Sunita Mishra, Head, Department of English Language Studies, Hyderabad Central University, Hyderabad on 'Teaching Communication Skills in India-Politics of Globalization'. The session was an enthralling one as it provided very good insights into the Johari window and other aspects of communication.

The second day of the conference commenced with an address by Prof. Malathi Mathur, Professor, IGNOU, School of Humanities on

language and literature including Prof. Sudha Rai, Former Professor and Head, University of Rajasthan, Jaipur, Prof. JN Sharma, Former Professor and Head, JNVU, Jodhpur, Prof. K. K. Gautam, Dean, School of Languages, JNU, Jaipur, Dr. Nupur Tandon, Head, HSS, MNIT, Jaipur, Dr. Lalitha Krishnaswamy, Professor and Prof. IB Abrol, Former Professor, DAV College, Ajmer. The participants were awarded certificates at the valedictory ceremony.

CANCER AWARENESS PROGRAMME

To increase awareness of the importance of regular screening to save lives and decrease the national burden of cancer, a cancer awareness program was organized on 22nd February, 2017 by SKIT. A highly informative session was delivered by Dr. Lalit Mohan Sharma a senior consultant Hematologist and Medical Oncologist at the Bhagwan Mahaveer Cancer Hospital, Jaipur on "Cancer Awareness and its Preventive Measures".

EVENT AT ICSI INSTITUTE

The ICSI Institute invited Ms. Pallavi Biyani, (Dept. of DMS) to coordinate an event at the ICSI institute. It was held to honour the principals and the faculty members working in commerce and management. She also got felicitated being a young member of ICSI.

working as a Faculty for MBA course. The Chief guest of the program was the Registrar of Companies (ROC) – MCA, Shri Sanjay Kumar Gupta and the dignitaries were CS Shyam Agarwal, Vice President of ICSI ; CS Rahul Sharma, Treasurer of ICSI Jaipur ; CS Mahendra Khandelwal, Chairman of Jaipur Chapter; CS Deepak Arora, Secretary of NIRC.

CERTIFICATE COURSE ON BRANCH BANKING OPERATIONS BY PROF. S.P.GARG

Prof. S.P.Garg, Dean DMS initiated a certificate course for the students of pre-final year to make them aware about the branch banking and to give them practical knowledge of the day to day operations related to customer handling, grievance redressal, etc. Around 15-20 students got themselves enrolled in the certificate course and availed full advantage. Students worked on various projects of different banks and learnt the mechanisms of the working of the banks. Industry-institute interface was also a kernel area of this course.

STATE LEVEL QUIZ COMPETITION

Forests and wildlife are the common natural resources. Role of forests in maintaining balance in the environment is well known. In order to promote the vision of environmental awareness, a 'State level Quiz' was organized by the department of forest, at Jagadguru Ramanandacharya Sanskrit University, Jaipur. In which the students of Branch 'EE' and SKIT Chhatra Sansad Club bagged the first position. The team received appreciation for spreading awareness about forest and wildlife of Rajasthan.



Team Members were:

Priyansh Upadhyay (4th year, EE) | Avik Sharma (1st year, EE)
Akshith Rohilla (4th year, EE) | Priyanka Lodha (4th year, EE)
Jitendra Gurjar (4th year, EE)

SECOND PRIZE FOR DOCU.DRAMA CLUB



A Nukkad Natak team 'Natya Mandal' of Docu.Drama Club, SKIT, won 2nd prize in 'Nukkad Natak Event' held at LNMIIT, Jaipur. The act of the team was based on the topic 'Ye India Hai, Yahan Sab Chalta Hai'. The team got tons of appreciation for the solutions they offered in order to change today's scenario of problems in our country.



GUEST LECTURE BY PROF. P. S KANDHAL

Prof. Prithvi Singh Kandhal delivered an expert talk on "How to Build Pothole-Free Roads and How to Repair Potholes Effectively". Prof. Kandhal is the Associate Director Emeritus of the National Center for Asphalt Technology (NCAT) based at Auburn University, Alabama, U.S.A. The programme started with the blessings of Goddess Saraswati. Welcome speech was given by Prof. L.N. Datt. Prof. P.S. Kandhal introduced students to the effective methods in making pothole free roads like the need of proper compaction in bituminous roads, type of asphalt mix gradation used and easy to use "Kandhal Mix". At the end, Dr. D.K. Sharma proposed the vote of thanks. Er. Nishant Sachdeva and Er. Ankit Sharma co-ordinated the programme.

SEMINAR ON FOREIGN TRADE POLICY AND PROCEDURES

On 22nd March 2017, Department of Management Studies, SKIT organized a seminar by Directorate General of Foreign Trade under Niryat Bandhu Scheme on Foreign Trade Policy and Procedures. The seminar started with the initial remarks by Prof.S.P.Garg, Dean, DMS. He explained that this was the 3rd series of the same program. He also emphasized on the critical points serially for everyone to understand the theme. Prof.Dr.S.L.Surana, Director(Academics) focused on the figures of export and compared the condition of export in India since India got independence.

Prof. (Dr.)S.K.Calla, Director (D&W) talked about how young officers can contribute to the growth of the country. The first session was by the guest of the seminar Shri.Bhupinder Singh, Chapter Head of Federation of Indian Export Organization. He gave a brief idea about the export facilitation by FIEO. He laid emphasis on electronic working of FIEO through the website of www.fieo.org. FIEO is a trade promotion organization setup to promote export services. The next session was taken over by Shri Satish Raina, State Coordinator-NBS DGFT. He introduced the audience with the foreign trade policy 2015-20 and their EDI usage in DGFT. After the two valuable insights by the guests, the guests were presented with mementos as a token of remembrance. In the end there was a vote of thanks by Prof. Dr. Vikas Shotriya.

A TALK BY DR.MPS MANNA

Dr.MPS Manna, Director AICTE delivered a lecture on "Open Education Resources" (a Mandate of MHRD) on April 8, 2017. He talked about the challenges of open education, focusing on the fact that open education is the need of the hour. He presented a motivational talk and discussed the importance of vocation based education. He shared useful information about the programme 'SWAYAM'. SWAYAM is a programme initiated by the Government of India and designed to achieve the three cardinal principles of the education policy viz., access, equity and quality. Courses delivered through SWAYAM are available free of cost to the learners. The program is capable of hosting 2000 courses and 80000 hours of learning: covering school, under-graduate, post-graduate, engineering, law and other professional courses. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. The lecture was attended by the members of the management, faculty and staff.

SMART INDIA HACKATHON – 2017

This year students from the department of Computer Science and Engineering participated in Smart India Hackathon – 2017. Smart India Hackathon – 2017 was the biggest hackathon that took place on 1st and 2nd April 2017. In all 9 teams from SKIT participated and 3 teams were shortlisted for the final competition. The primary objective of this Smart India Hackathon-2017 initiative was to create a permanent platform to harvest the creativity and energy of our youngsters directly for nation building. An initiative by the government of India, Smart India Hackathon – 2017 proved to be a great success as in this event 10,000 teams worked continuously for 36 hours in order to build tools that may contribute to nation building. Many live sessions on various forums were conducted to motivate students and explain them the need of Hackathon culture in India. Under the guidance of Prof. (Dr.) Anil Choudhary and Ms Nidhi Jain, the teams from SKIT presented many effective projects, thus contributing to building a better society.

VIRTUAL LABS AND NPTEL COURSE:

Mr. Ankit Agarwal and Ms. Rukhsar Zafar participated in a 20 hour Online Certification Course (Elite and Gold Certified in NPTEL respectively) on "Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications". The course was held during July-September 2016.

FOUNDATION PROGRAM – 5.0 - WEBINAR SERIES

The department of Computer Science organized a Foundation Program webinar conducted by Infosys Campus Connect program on 5th December 2016. This webinar was followed by a number of doubt clearing webinar sessions held in February and March 2017. In all 98 students and 48 faculty members from the department participated in the program.

ROBORACE IIT KANPUR

A team of four students (First Year) of Robotics Club won the first prize in Roborace event of IIT Kanpur Techest Zonal held at RCW, Jaipur.

CERTIFICATION FROM CAMBRIDGE

Dr. Neha Purohit, Associate Professor, Department of English, qualified the BEC speaking Examiner Test for the third consecutive year. The BEC exam is conducted by Cambridge University, U.K. She undertook her speaking examiner's assignment at the IIS University and IIIM, Jaipur.

VOCAL RECITAL BY SMT. SUNANDA SHARMA

SKIT enjoyed a blissful performance by Smt. Sunanda Sharma who is carrying forward the legacy of the legendary vocalist of Benaras Gharana, Dr. Vidushi Girija Devi, a Padma Bhushan awardee and a doyen of Indian classical vocal music. Smt.Sunanda is a leading vocalist amongst the younger generation, who blossomed under the rigorous training of her Guru. She has evolved into an artist of substance, which is evident in her many solo performances, workshops and her training sessions in universities at home and abroad. Smt. Sunanda enjoys the privilege of being a visiting teacher at SOAS, University and Royal Academy of Music in London since 2000. Though her forte lies in Khayal, Tappa, Thumri, Dadra and Chaiti, Sunanda has expanded her talent and repertoire that includes Punjabi folk, Sufi and other devotional styles.



STUDENTS INTERACTING WITH THE MAESTROS

INTER COLLEGE HERITAGE CLUB MEET

It is an initiative of SKIT SPIC MACAY HERITAGE CLUB to promote and provide a stage to the student artists from different colleges having deep knowledge of the classical art. These students have been involved in classical music since long and have performed on various stages. It is the vision of SPIC MACAY for every child to have an experience of our Indian culture and classical music.

The performances given at the meet were:-

S.NO.	ARTIST'S NAME	COLLEGE	ART FORM
1	Chinmay Chordiya	SKIT	Classical Violin
2	Priyansh Upadhyay	SKIT	Classical Singing
3	Vinay Kadel	SKIT	Tabla Accompaniment
4	Simran Sinha	MANIPAL	Odissi classical dance
5	Varsha Priyadarshini	MANIPAL	Ravindra sangeet
6	Harsh	MANIPAL	Classical Vocal
7	Harsh Khanna	MANIPAL	SPIC MACAY presentation
8	Sidhant Singh	MANIPAL	SPIC MACAY presentation
9	Vikram Shrivastav	Raj. Sangeet Samsthan	Tabla accompaniment
10	Badshah Khan	Raj. Sangeet Samsthan	Classical Sitar
11	Shekha D Das	IIHMR	Classical Vocal



SITAR RECITAL BY PANDIT KUSHAL DAS

Music is a gift that never fails to touch the soul. SKIT fraternity enjoyed this bliss through sitar recitals by Pandit Kaushal Das. Pt. Kushal Das elicited from his sitar enchanting melodies, characterized by subtle nuances of rhythm and dynamics of the distinctive, twang of the sitar. Sometimes his fingers glided over the strings so fast that to the naked eye they appeared as blurred shadows. He performed raagasawari in a traditional alap jor jhala and then gat with an effective tabla accompaniment by Shri. Chitaranjan Das.



USER AWARENESS SESSION ON SCOPUS, SCIENCEDIRECT AND MENDELEY

On 12 April 2017, Elsevier organized an awareness session on Science Direct, Scopus and Mendeley in JC Boss Seminar Hall, SKIT, Jaipur. The following topics were covered in this session:

1. How to access subscribed package of elsevier on science direct platform
2. SCOPUS: 'Introduction and SKIT's performance on Scopus'
3. Mendeley: 'Introduction and How to Install and Use'

Mr. Vishal Gupta, an expert from Elsevier gave a presentation on the given topics. He also displayed the research performance of SKIT faculty on Scopus. More than 200 faculty members of different departments attended this session.

WORKSHOP ON PROGRAMMING LOGIC CONTROLLER

A three day workshop was organized by the department of Electrical Engineering, to train the participants about 'the art of programming Siemens PLC-Simatic S7-200'. The workshop was conducted by Mr. Nihit Giri, Assistant Professor, EE and Mohammed Yusuf Sharif,

Assistant Professor, EE. The certification course targeted the course instructors & technicians especially from the departments of Electrical Engineering and the department of Electronics & Communication Engineering. The workshop comprised six sessions:

- Foundation of Industrial Automation
- Historic Evolution of PLC Business
- PLC: The Heart of Every Economy
- Marshalling Siemens PLC
- Ladder Logic Programming

INDUSTRIAL TOURS FOR III YEAR STUDENTS

The students of III year from the Electrical Engineering, Electronics and Communication Engineering, Computer Science, IT, Mechanical Engineering and Civil Engineering branches completed their industrial tours to various industries in December. The tour was effectively coordinated by the faculty members of the respective departments. These tours provided a first-hand experience to the future engineers who were shown places for sight-seeing. It strengthened bonds with each other through fun-filled activities.

CIVIL ENGINEERING INDUSTRIAL & EDUCATIONAL VISIT



INDUSTRIAL TOUR

An industrial tour was organised for the VI semester Mechanical Engineering students from December 15 to 21, 2016.

The tour followed a predefined route: Jaipur-Chandigarh-Shimla-Jaipur. Faculty members Mr. Amit Kumar Bansal and Mr. Sudesh Garg coordinated it. 80 students of VI semester mechanical engineering participated in this tour.



The industries visited by the group were:

- Munjal Showa, Gurugram
- Sandbar Industries, Gurugram



- NBC, Gurugram
- United Gears, Chandigarh

TOWER-POWER COMPETITION

A Tower Power Competition on the theme of "CONSTRUCT THE TALLEST AND LIGHTEST TOWER", using straws and cello tape was organized by the Nirman Club. The basis of selection was design, elegance, creativity and technical aspect of the tower. The best entry was awarded with a certificate.

MODEL & POSTER MAKING COMPETITION

Students made their models & posters related to civil aspects and sent their entries as individuals or group. The basis of selection was design, elegance, creativity and technical aspect of the model & poster. The best entry was awarded with a certificate. All activities of Nirmaan Club were headed by Mr. Akash Johari.

INDUSTRIAL VISIT

A one day Industrial visit of Kalp- Taru Power Station, Tonk was organised on December 22, 2016 for the VI semester mechanical engineering students. The visit was coordinated by Mr. Chandra Mohan Kumar, Mr. Chandan Kumar and Mr. Madhukar Kumar. 83 VI semester mechanical engineering students participated in this visit.

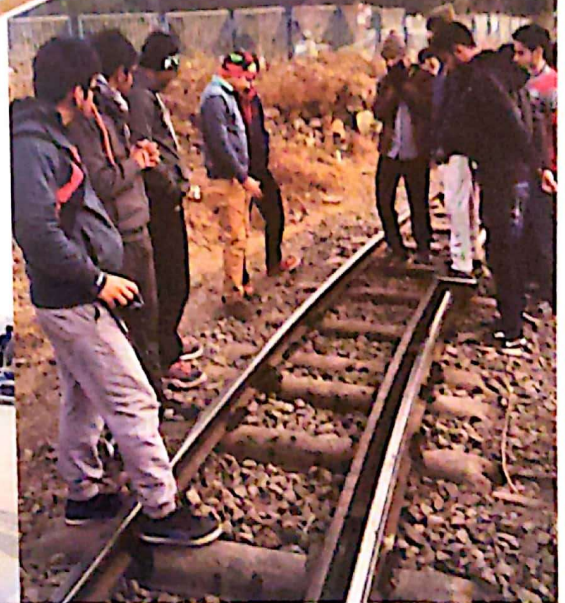


INDUSTRIAL VISIT

As part of the curriculum requirement, an industrial tour was organized for the students of B.Tech. 6th semester. The students visited the following locations in Chandigarh and Himachal Pradesh –

1. Shivalik Solid Waste Management Plant, Nalagarh industrial area, Baddi, Himachal Pradesh
2. New Chandigarh, Chandigarh
3. Siswan dam, Himachal Pradesh
4. Architecture and City Planning of Chandigarh, Lake Sukhna & Rock Garden

The visit was Coordinated by Mr. Manmohan Sharma, Mr. Amit Kumar, Mr. Akash Johari & Ms Suniti Kumari.



INDUSTRIAL VISIT TO RAJASTHAN POLLUTION CONTROL BOARD

An industrial visit to Rajasthan State Pollution Control Board was organized for VIII semester (B-2 batch) students under the guidance of Prof. D.K. Sharma. Students learnt about various instruments and techniques to measure pollution.





SITE VISIT TO RAILWAY BRIDGE IN JAGATPURA

Students of B.Tech final year, along with Dr. D.K. Sharma and Dr. Neha Shrivastava went for a site visit to a railway bridge at Dantli, near Indra Gandhi Nagar, Jagatpura. Students saw the piling technique and column casting etc. live. The visit was very beneficial for the practical knowledge of the students.

RESEARCH PAPERS PRESENTED

- TITLE** : Occupational Health Problems among Clay Brick Kiln Worker of Rajasthan
- AUTHOR/S** : Manoj Kumar Sain, M. L. Meena, Dept. of ME
- CONFERENCE** : 14th International Conference on Humanizing Work and Work Environment HWWE-2016, from December 6-8, 2016
- ORGANIZED BY** : Indian Society of Ergonomics and NIT, Jalandhar
- TITLE** : An Improved Teaching-learning-based Algorithm (TLBO) for the Resource-constrained Project Scheduling Problem (RCPSP)
- AUTHOR/S** : Dheeraj Joshi, M.L.Mittal, Manish Kumar, Dept. of ME
- CONFERENCE** : XX Annual International Conference of Society of Operations Management- 2016
- ORGANIZED BY** : Society of Operations Management and ABV-IIIITM, Gwalior from 22nd to 24th December, 2016.
- TITLE** : Effect of Different Fibre Loading on Mechanical and Erosion Wear Properties of Epoxy Resin Reinforced with Aramid Woven Fabric
- AUTHOR/S** : Manish Bhargava, Namita Soni, Dept. of ME
- CONFERENCE** : IVth International Conference on Production & Industrial Engineering, 2016
- ORGANIZED BY** : Department of Mechanical Engineering, NIT Jalandhar
- TITLE** : Finite Element Analysis of Human Fractured Femur Bone Implantation with PMMA Thermoplastic Prosthetic Plate
- AUTHOR/S** : Ajay Dhanopia, Manish Bhargava, Dept. of ME
- CONFERENCE** : 11th International Symposium on Plasticity and Impact Mechanics
- ORGANIZED BY** : Society of IMPLAST and IIT Delhi from December 11-14, 2016.

- TITLE** : Design and Development of Automatic Grass Cutting Machine
- AUTHOR/S** : Ajay Dhanopia, Prithul Shekhar, Ravi Ranjan, Tushar Sahani, Varunendra S Rajawat, Dept. of ME
- CONFERENCE** : National Conference on Recent Innovations in Mechanical Engineering (NCRIME-2017)
- ORGANIZED BY** : VIT, Jaipur from March 23-24, 2017

- TITLE** : Design and Development of Economical 3D Printer for Plastic Products
- AUTHOR/S** : Ajay Dhanopia, Amol Dhupar, Vikas Kumawat, Mudot Gupta, Uzair Khan, Akhilesh Pareek
- CONFERENCE** : National Conference on Recent Innovations in Mechanical Engineering (NCRIME-2017)
- ORGANIZED BY** : VIT, Jaipur from March 23-24, 2017

- TITLE** : Management of Plastic waste and step towards Clean Environment
- AUTHOR/S** : Mrs Priyanka Gupta, Assistant Professor, Civil Engineering
- CONFERENCE** : ICONRER-2017
- ORGANIZED BY** : SKIT, JAIPUR

- TITLE** : Laboratory Performance Evaluation of Warm Mix Asphalt Additives for Cold Region Conditions
- AUTHOR** : Mr Ankit Sharma, Assistant Professor, Civil Engineering
- CONFERENCE** : International Conference on Transportation Planning and Implementation Methodologies for Developing Countries
- ORGANIZED BY** : IIT, Mumbai

- TITLE** : Laboratory Study on use of RAP Material in WMA Pavements using Rejuvenator
- AUTHOR** : Mr Ankit Sharma, Assistant Professor, Civil Engineering
- CONFERENCE** : International Conference on Transportation Planning and Implementation Methodologies for Developing Countries
- ORGANIZED BY** : IIT, Mumbai

- TITLE** : Awareness Programme on Environmental & Socio-Economic Impacts of Solid Waste
- AUTHOR** : Mrs Suniti Kumari, Assistant Professor, Civil Engineering
- CONFERENCE** : National Conference on "Sustainable Solid Waste Management, Smart Cities and Swachh Bharat Initiative
- ORGANIZED BY** : KITE, Jaipur

- TITLE** : The Array Structure of 2x2 Coplanar Monopole Antennas with Wilkinson Power Combiner for RF Energy Harvesting Application
- AUTHOR/S** : Monika Mathur (Associate Professor), Ankit Agarwal (Assistant Professor), ECE Department
- CONFERENCE** : International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2016)
- ORGANIZED BY** : IEEE (Delhi section) & Poornima University, Jaipur
- TITLE** : Investigation of Photocurrent Efficiency of

TITLE : ITO/ZnO/CdSe/CdTe/Al Solar Cell
AUTHOR/S : Praveen K Jain, Ankit Agarwal, Rajiv Kumar, Raj Kumar Jain, Dept. of ECE & Physics
CONFERENCE : International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2017)
ORGANIZED BY : SKIT, Jaipur

TITLE : A Reconfigurable Microstrip Antenna with Defected Ground Structure for Radio Applications
AUTHOR/S : Shubhi Jain, Harshal Nigam, Ruchika Jain, Dept. of ECE
CONFERENCE : 1st International Conference on Optical and Wireless Technologies 2017 (OWT-2017).
ORGANIZED BY : Springer and Iris world, Jaipur

TITLE : Comparative study of Performance and Emission Characteristics of A Stationary Compression Ignition Engine Using Blends of Corn Oil Methyl Ester With Diesel Fuel
AUTHOR/S : Dinesh Kumar Sharma and Ram Kumar Agrawal, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Modeling and Analysis of Long Route Exhaust Gas Re-circulation system to lower the NOx emission from internal combustion engine: A Review
AUTHOR/S : Zulfukar A Ahmed and Dinesh K Sharma, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Solar Energy is Future Energy
AUTHOR : Prof. Vikas Shrotriya, Dept. of MBA
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Energy Simulation of Building Using e-QUEST Simulation Tool
AUTHOR/S : Ajay Dhanopia, Dheeraj Joshi and Karan Sirwani, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : A Review on Various Methods and Their Challenges for Advancements In The Lubrication System for The Improvement In The Performance of An Internal Combustion Engine
AUTHOR/S : Raghav Khandelwal, Mohit Soni and Shubham Jain, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : A Compressive Review of Recent Improvements and Scenario of Fuel Cell Technologies in Vehicle Segment
AUTHOR/S : Sudhir Kumar Pathak and Amrit Thakur
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Off-Grid Electrification and Environmental Impact with Solar-Wind Energy in India
AUTHOR/S : Umesh Kumar Rathod and Bharat Modi
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : A Comparative Study on Various Parameter of Additives-Diesel Fuel Blend of Compression Ignition Engine
AUTHOR/S : Chandan Kumar, Kunjbihari Rana, Brajesh, Tripathi and Ashish Nayyar, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Role of Carbon Capture and Storage in Reducing Ghg Emissions
AUTHOR/S : Arpit Garg and Trivendra Sharma
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : A comprehensive review of biodiesel and CNG as alternative fuels for compression ignition engine
AUTHOR/S : Sudhir Kumar Pathak, Ashish Nayyar and Chandan Kumar, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Technical Review of Renewable Energy Sources and related Energy Efficiency Technologies
AUTHOR/S : Keshav Jakhotia and Sudesh Garg, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Estimation of Calorific value of Biomass Briquettes Prepared from Saw Dust and Paper Waste
AUTHOR/S : Madhukar Kumar and Prabhakar Azad
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Societal Issues and Courses in Machine Design
AUTHOR/S : Narendra Banthiya, Ajay Dhanopia and Dheeraj Joshi, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Supercritical CO₂ Turbine
AUTHOR : Avadhesh Mathur, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Assessment of emission characteristics and occupational health of workers in brick kilns of Rajasthan
AUTHOR/S : Manoj Kumar Sain and M. L. Meena, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Management of Plastic Waste : A Step Towards Clean Environment
AUTHOR : Priyanka Gupta, Dept. of ME

- CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : A Review on Energy Storage Technologies
AUTHOR/S : Sumita Hemrom and Dimple, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : A Review on Emission Trends of Different Biodiesel Blends
AUTHOR/S : Renu Sharma and Shivam Sharma, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Environmental Energy Harvesting Technologies to Implement Remote and Wireless Sensing
AUTHOR/S : Trivendra Sharma and Sandeep Parashar, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Possibilities and Challenges of Using Hydrogen with Gasoline in S.I. Engine: A Review
AUTHOR/S : Md Inzamam Ul Haque, Ashish Nayyar and Chandan Kumar, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Effect of Nitromethane-n-Butanol-Diesel Blends on the Performance and Emissions of a Diesel Engine
AUTHOR/S : Naveen Sain, Ashish Nayyar and Chandan Kumar, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Parametric Studies of Operating Parameters of Hydraulic Turbine Blades using Taguchi Technique
AUTHOR/S : Dr. Vikash Gautam, Dr. Amar Patanik and Prof. I. K. Bhat,
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Simulation of Energy Cost of A Residential Building
AUTHOR/S : Ashish Boraida, Amit Kumar Bansal and Manoj Kumar Sain, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Impact of Lifestyle Pattern on Energy Demand and Its Related Emissions
AUTHOR/S : Amit Kumar Bansal, Chandra Mohan Kumar and Yogesh Kumar Sharma, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Renewable Energy Sources and Adverse Environmental Impacts: An Overview
AUTHOR/S : Nitin Goyal, Namita Soni, Monika Khurana and
- Monu Gupta, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Manufacturing Paradigm Shift towards Sustainability – Concepts & Cases.
AUTHOR/S : Vinay Singh Marwal, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Solar Energy in India: Status and Future Prospects
AUTHOR/S : Sarita Choudhary and Praveen Saraswat, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Use of Safer Solvent: Green Solvent
AUTHOR/S : Sharda Soni, Dept. of Chemistry
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : A Comprehensive Study on Variable Compression Ratio Diesel Engine for Optimizing Performance and Reducing Emissions
AUTHOR/S : Sushil Surana, Chandan Kumar, Kunj Bihari Rana, Brajesh Tripathi and Priyanka Gupta, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Carbon Nanotubes: Applications and Issues
AUTHOR/S : Saurabh Gupta and Sanjay Bairwa, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Green Technologies for Cement Industries
AUTHOR/S : D. Hariyani and Poonam Hariyani, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Air Pollution and Human Health
AUTHOR/S : Sudesh Garg, Keshav Jakhotia and D. Hariyani, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Environmental Pollution Control with Two Dimensional Analysis Model
AUTHOR/S : Saurabh Gupta, Rajeev Ratna Singh, Suraj Kumar, Sunil Kumar and Pramod Jain, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Maintenance Strategies for Solar Power Plant
AUTHOR/S : Virendra Nagar and Brij Mohan Sharma, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY: SKIT, JAIPUR
- TITLE : Rajasthan -A Case Study on Energy Policies And Power Generation By Small Hydel Power Projects

AUTHOR/S : Sumit Jhalani and Arun Beniwal, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Analysis of Hydro Dynamic Cavitation in Centrifugal Pump under Various Parameters
AUTHOR/S : Ajeet Kumar and Sandeep Kumar Bhaskar, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Reduction for Coal Transportation of Thermal Power Station
AUTHOR : Rammurti Meena, Dept. of EE
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Renewable Energy: Sustainable Socio Economic Policies in India
AUTHOR/S : Pallavi Biyani and Prof S.P Garg, Dept. of MBA
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Investigation of Photocurrent efficiency of ITO/ZnO/CdSe/CdTe/Al Solar Cell
AUTHOR/S : Praveen K Jain, Ankit Agarwal, Rajiv Kumar, Rajkumar Jain and Mohammad Salim, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Design & Fabrication of an Hybrid Electric Vehicle
AUTHOR/S : Rajeev Ratan Singh, Suraj Kumar, Manohar Taak, Sunil Kumar, Rajendra Singh Chundawat, Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : A Comparative Study of Solar Energy Production of Major Economies of the World
AUTHOR/S : Badal Rana, Dev Shekhar Goyal, Anshuman Singh Parmar, Gaurav Arora
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : IOT Internet of Things Based Home Automation
AUTHOR/S : Pradhumn Agarwal (Student), Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Automatic Cleaning of Solar Panel
AUTHOR/S : Amar Kumar, Amit Kumar, Ashish Saini, Ajay Gathala
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Induction Motor Protection System
AUTHOR/S : Ankush Khandelwal

CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Solar Power & its Application in Reducing Dependence on Conventional Sources: A Case Study
AUTHOR/S : Hitesh Sharma, Nikhil Varandani, Hozfa Hussain, (Students), Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Study of Knock Characteristics of SI Engine with Different Compression Ratios and Fuel Blends of n-Butanol & Gasoline
AUTHOR/S : Ankit Agarwal, S. L. Soni
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Development of Next generation Micro-Aerial Vehicles Ornithopters
AUTHOR/S : : Utkarsh Bhati, (Student), Dept. of ME
CONFERENCE : ICONRER-2017
ORGANIZED BY : SKIT, JAIPUR

TITLE : Allocation DG units for Power Loss Reduction in Radial Distribution System
AUTHOR : Sarfaraz Nawaz, Dept. of EE
CONFERENCE : IEEE 2nd International Conference on Recent Advances and Innovations in Engineering
ORGANIZED BY : Poornima University, Jaipur, Rajasthan

TITLE : Electricity Price Forecasting by Linear Regression and SVM
AUTHOR : Deepak Saini, Dr. Akash Saxena, Dr. R. C. Bansal, Dept. of EE
CONFERENCE : IEEE 2nd International Conference on Recent Advances and Innovations in Engineering
ORGANIZED BY : Poornima University, Jaipur, Rajasthan

TITLE : Performance of 3-phase 4-wire Distribution System with DSTATCOM and T-transformer for Zero Voltage Regulation
AUTHOR : Manjesh Kumar, Ravi Kumar, Kusum Agarwal, Mukesh Kumar, Akash Saxena and B L Mathur, Dept. of EE
CONFERENCE : 2016 International Conference on Computing, Communication and Automation (ICCCA)

TITLE : Online Identification of Coherent Generators in Power System by using SVM
AUTHOR : Bhanu Pratap Soni, Akash Saxena and Vikas Gupta, Dept. of EE
CONFERENCE : IEEE 4th International Conference on Power, Control and Embedded System (ICPCES-2017)
ORGANIZED BY : MNNIT, Allahabad, Uttar Pradesh

TITLE : A Novel Technique for Optimal Allocation of

TITLE : Capacitors in Radial Distribution System
AUTHOR : Sarfaraz Nawaz, Anjali Jain, Abhishek Gupta, Dept. of EE
CONFERENCE : IEEE 4th International Conference on Power, Control and Embedded System (ICPCES-2017)
ORGANIZED BY: MNIT, Allahabad, Uttar Pradesh

TITLE : Impact of Capacitor Bank and OLTC Operation on Energy Savings
AUTHOR : Sarfaraz Nawaz, Md. Imran, Dept. of EE
CONFERENCE : Second IEEE International Conference on Innovative Applications of Computational Intelligence on Power, Energy and Controls with their impact on Humanity (CIPECH-16)
ORGANIZED BY: KIET, Ghaziabad, Uttar Pradesh

TITLE : A Novel DG Allocation Method for Power Loss Reduction in Radial Distribution System
AUTHOR : Sarfaraz Nawaz, Dr. Ajay Kumar Bansal, Dr. M.P. Sharma, Dept. of EE
CONFERENCE : IEEE 7th POWER INDIA International Conference (PIICON)
ORGANIZED BY: Govt. Engineering College, Bikaner, Rajasthan

TITLE : An analytical approach for optimal allocation of DG unit in Distribution system
AUTHOR : Preeti Kumawat, Sarfaraz Nawaz, Ankush Tandon, Dept. of EE
CONFERENCE : IEEE 7th POWER INDIA International Conference (PIICON)
ORGANIZED BY: Govt. Engineering College, Bikaner, Rajasthan

TITLE : Locating Female Subject in British Muslim Fiction: A Reading of Leila Aboulela's Minaret
AUTHOR : Sheeba Anjum, Department of English
CONFERENCE : International Conference on Literature as Cartography of Emotions: Ways of Being and Belonging
ORGANIZED BY: Saint Xaviers College, Jaipur

TITLE : The Other Self: Demystifying Gender Identity in Mahesh Dattani's The Girl Who Touched the Stars
AUTHOR : Neha Purohit, Department of English
CONFERENCE : International Conference on Literature as Cartography of Emotions: Ways of Being and Belonging
ORGANIZED BY: Saint Xaviers College, Jaipur

TITLE : Angel in the House in Inside the Haveli
AUTHOR : Dr. Niraja Saraswat, Department of English
CONFERENCE : International Conference on Literature as Cartography of Emotions: Ways of Being and Belonging
ORGANIZED BY: Saint Xaviers College, Jaipur

TITLE : Synthesis and Dielectric studies of Polyaniline/TiO₂/Graphene Oxide (PANI/TiO₂/GO) Nanocomposite
AUTHOR : Ajay Kumar Sharma, Dept. of Physics
CONFERENCE : 2nd International Conference on Soft Materials
ORGANIZED BY: MNIT, Jaipur

RESEARCH PAPERS PUBLISHED

TITLE : Optimal Allocation of Multiple DGs and Capacitor Banks in Distribution Network
AUTHOR : Sarfaraz Nawaz, Dept. of EE
JOURNAL : European Journal of Scientific Research, Volume 142, Issue 2, 2016

TITLE : Wavelet Entropy Based Short Term Load Forecasting
AUTHOR : Nikita Mittal, Dept. of EE
JOURNAL : International Journal of Electrical Engineering Vol 9, No 2, pp. 225-232, 2016.

TITLE : Critical investigations on performance of ANN and wavelet fault classifiers
AUTHOR/S : Sharma P. & Saxena A., Dept. of EE
JOURNAL : Cogent Engineering, 4(1), 1286730, 2017

TITLE : Maximum Loadability Estimation for Weak Bus Identification using Line Stability Indices
AUTHOR/S : Ankit Kumar Sharma, Akash Saxena and Rajiv Tiwari, Dept. of EE
JOURNAL : IJHIT, Vol.10, no.2, pp (49-60) 2017

TITLE : Cryptography Encryption and Compression Techniques
AUTHOR : Sarita Kumari
JOURNAL : International Journal of Engineering And Computer Science Volume 6, Issue 4 [April 2017]

TITLE : Homotopy Analysis Solution to Thermal Radiation Effects on the MHD Boundary Layer Flow and Heat Transfer over an Inclined Plate with Convective Boundary conditions
AUTHOR/S : Sumit Gupta, Dept. of Maths
JOURNAL : International Journal of Applied and Computational Mathematics, Springer, Volume 5 (2) 2016, 1-20, ISSN- 2349-5103

TITLE : Analytical Study of MHD Boundary Layer Flow and Heat Transfer towards a Porous Exponentially Stretching Sheet in Presence of Thermal Radiation
AUTHOR/S : Sumit Gupta, Dept. of Maths
JOURNAL : International Journal of Advances in Applied Mathematics and Mechanics, Volume 4, Issue 1, 2015, 1-10, Issn -2347-2529.

TITLE : Analysis of Asymmetry of Fano resonance in Plasmonic Metal-Insulator-Metal Waveguide
AUTHOR/S : Rukhsar Zafar, M. Salim, Dept. of ECE
JOURNAL : ELSEVIER Photonics and Nanostructures Photonics, Vol 23, 2017, pp: 1-6

TITLE : A Novel Design Module of RF Energy Harvesting for Powering the Low Power Electronics Devices
AUTHOR/S : Monika Mathur, Ankit Agrawal, Ghanshyam

JOURNAL : Singh, S. K. Bhatnagar, Dept. of ECE
: ACM Digital Library- Proc. of AICTC, article no. 68, pp 1-4, 2016 DOI:10.1145/2979779.2979847

TITLE : Transformation of Design Formulae for Feed Line of Triangular Microstrip Antenna

AUTHOR/S : Monika Mathur, Ghanshyam Singh, S. K. Bhatnagar, Swati Swami, Abhijat Vats, Dept. of ECE

JOURNAL : AIP Conference Proceedings 1715, 020035 (2016).DOI: 10.1063/1.4942717

TITLE : Computer Vision Based Overlapped Flowers Detection

AUTHOR/S : Deepti Koolwal, Praveen K. Jain, Ankit Agarwal, Dept. of ECE

JOURNAL : ACM digital library- Proc. of AICTC, article no. 78, 2016. DOI:10.1145/2979779.2979857

TITLE : Fabrication and Characterization of Thin Film Structure as Resonant Tunnelling Diode

AUTHOR/S : Swati Arora, Dept. of ECE

JOURNAL : Skit Research Journal, VOLUME 6; ISSUE 1: 2016 35-37 2016 ISSN 2278-2508

TITLE : Electrical, Structural Properties of Tellurium Thin Films on Silicon Substrate

AUTHOR/S : Swati Arora, Dept. of ECE

JOURNAL : Skit Research Journal, VOLUME 6; ISSUE 1: 2016 38-43 2016 ISSN 2278-2508

TITLE : Properties of Nanostructure Bismuth Telluride Thin Films Using Thermal Evaporation

AUTHOR/S : Swati Arora, Dept. of ECE

JOURNAL : Journal of Nanotechnology, Hindawi publications, DOI:10.1155/2017/4276506 Volume (2017)

TITLE : Non-powered Hand Tools Improvement Researches for Prevention of Work-Related Problems: A Review

AUTHOR/S : Manoj Kumar Sain, Rahul Jain, M. L. Meena, G. S. Dangayach and A. Bhardwaj, Dept. of ME

JOURNAL : Journal of Safety and Ergonomics (JOSE), Taylor & Francis

TITLE : Experimental Investigation and Numerical Simulation of Marble Dust Filled Aramid Fibre Reinforced Epoxy Composite for Wind Turbine Blade Application

AUTHOR/S : Prof. (Dr.) Manish Bhargava, Ms. Namita Soni, Dept. of ME

JOURNAL : International Journal of Scientific Research Engineering & Technology, 2017, Volume 6 Issue 1 Pages 23-31

TITLE : Design and Development of Hybrid Electrical Folding Bicycle

AUTHOR/S : Ajay Dhanopia, Alok Mathur, Karan Sirvani, Ayush

JOURNAL : Goyal, Dept. of ME
: SKIT Research Journal, Vol.2, no.2, October 2016

TITLE : Experimental Investigation of the Emission of Diesel Engine Fuelled by N-butanol-Diesel Blend

AUTHOR/S : Chandan Kumar, Nitin Goyal, Ashish Nayyar, Dept. of ME

JOURNAL : SKIT Research Journal, Vol.-6, Issue-1, 2016

TITLE : Effect of Various Parameter on Engine Performance and Emissions for a Single Cylinder VCR Diesel Engine

AUTHOR/S : Chandan Kumar, Ashish Nayyar, Naveen Kumar Sain, Dept. of ME

JOURNAL : International Journal of I.C. Engines and Gas Turbines, Vol.-02, Issue-02, 2016

TITLE : Prevalence of Musculoskeletal Disorders among Clay Brick Moulders in Brick Kiln Industry

AUTHOR/S : Manoj Kumar Sain, M. L. Meena and G.S. Dangayach, Dept. of ME

JOURNAL : Proceedings of 21st International Conference on "Engineering & Technology, Computer, Basic & Applied Sciences" (ECBA- 2017) March 6-7, 2017, Hong Kong, available at www.academicfora.com

TITLE : Study of Green and Eco-friendly Corrosion Inhibitor to Protect the Iron in Acidic Environment

AUTHOR/S : Anurag Sharma, Anil Kumar Varshney, Sarita Varshney, Dept. of Chemistry

JOURNAL : International Journal of Pharmaceutical Sciences Review and Research, Global Research Online, IJPSRR, Volume 44, Issue 1 -May 2017, ISSN 0976-044X

TITLE : On Certain Integral Transforms involving Hypergeometric Functions and Struve Function

AUTHOR/S : Dr. Vijay Kumar Singhal, Dr. Rohit Mukherjee, Dept. of Maths

JOURNAL : KYUNGPOOK Math. Journal, Vol. 56(2016), 1169-1177, eISSN 0454-8124

TITLE : Multiple W-E-K Fractional Integral of H-Function Pertaining to Srivastava Polynomials

AUTHOR/S : Dr. Vijay Kumar Singhal, Dept. of Maths

JOURNAL : SKIT RESEARCH JOURNAL, VOLUME 6; ISSUE 1: 2016, 68-70, ISSN-2278-2508

TITLE : ADMP: A Maple Programming Language for Symbolic Computation to Nonlinear Quadratic Riccati Differential Equation

AUTHOR/S : Sumit Gupta, Dr. Vijay Kumar Singhal, Dept. of Maths

JOURNAL : SKIT RESEARCH JOURNAL, VOLUME 6; ISSUE 2: 2016, 75-78, ISSN-2278-2508

CONFERENCE/WORKSHOPS ATTENDED:

TITLE : One day workshop on "Road Safety- Time for Action"
DATE : 28-12-2016
ORGANIZED BY : Centre of Road Safety and Ministry of Road Transport and Highways
ATTENDED BY : Dr. D.K. Sharma, Professor, Civil Engineering

TITLE : Five day National Workshop on "Green Techniques for Sustainable Construction through ICT"
DATE : 06-02- 2017 to 10-2-17.
ORGANIZED BY : NITTTR, Chandigarh
ATTENDED BY : Mr. Jitender Babulal Jangid, Assistant Professor, Civil Engineering

TITLE : One day workshop on "Road Safety- Time for Action"
DATE : 28-12-2016
ORGANIZED BY : Centre of Road Safety and Ministry of Road Transport and Highways.
ATTENDED BY : Mr. Nishant Sachdeva, Assistant Professor, Civil Engineering

TITLE : National Conference on "Sustainable Solid Waste Management, Smart Cities and Swachh Bharat Initiative"
DATE : 25-2-2017
ORGANIZED BY : KITE, Jaipur
ATTENDED BY : Dr. D.K. Sharma, Professor, Civil Engineering

TITLE : Synthesis Algorithms for Digital Circuits & Systems
DATE : 11 - 15 February, 2017
ORGANIZED BY : Electronics & ICT academy, MNIT, Jaipur
ATTENDED BY : Vikas Pathak, Associate Professor, ECE Department

TITLE : National workshop on Outcome Based Learning Using Pedagogy Framework Model
DATE : 28-29 November, 2016
ORGANIZED BY : Teaching Learning Centre, BITS Pilani. in collaboration with Centre for Educational Technology, Indian Institute of Technology (IIT), Kharagpur
ATTENDED BY : Mr. Abhishek Gupta, Asst. Professor, Department of Electrical Engg.

TITLE : National workshop on Nature Inspired Optimization
DATE : 21-23 Oct, 2016
ORGANIZED BY : TEQIP-II MNIT Jaipur
ATTENDED BY : Anjali Jain, Asst.Professor, Dept. of Electrical Engg.

TITLE : FDP on Principle of Control Systems Engineering: Hands on Experience with MATLAB
DATE : 25-29 March, 2017

ORGANIZED BY : Electronics & ICT Academy, MNIT, Jaipur
ATTENDED BY : Tarun Naruka, Asst.Professor, Dept. of Electrical Engg.

TITLE : Workshop on DC Smart Grids: Renewable Integration, Energy Storage and System Operation
DATE : 10-14 Nov, 2016
ORGANIZED BY : Department of Electrical Engineering, MNIT, Jaipur
ATTENDED BY : Ajay Bhardwaj, Asst.Professor, Dept. of Electrical Engg

TITLE : Workshop on Outcome Based Learning using Pedagogy Framework Model
DATE : 28-29 Nov, 2016
ORGANIZED BY : Teaching Learning Centre (TLC), BITS, Pilani in collaboration with the Centre for Educational Technology, Indian Institute of Technology (IIT)
ATTENDED BY : Abhishek Gupta, Asst.Professor, Dept. of Electrical Engg

TITLE : GIAN Course on Introduction to Sustainable Manufacturing
DATE : December 19-23, 2016
ORGANIZED BY : Malaviya National Institute of Technology, Jaipur
ATTENDED BY : Manoj Kumar Sain, Associate Professor, Dept. of ME

TITLE : Two day e-Yantra Workshop on Introduction to Robotics
DATE : December 22-23, 2016
ORGANIZED BY : IIT Bombay and SKIT Jaipur
ATTENDED BY : Ajay Dhanopia, Brij Mohan Sharma, Vinay Singh Marwal, Chandan Kumar and Arun Beniwal, Dept. of ME

TITLE : Short Term Training Program (STTP) on 'Research Methodology'
DATE : March 20-24, 2017
ORGANIZED BY : MNIT, Jaipur
ATTENDED BY : Dheeraj Joshi, Ashish Nayyar and Chandan, Kumar, Dept. of ME

TITLE : तृतीय राष्ट्रीय हिन्दी विज्ञान सम्मेलन
DATE : 16-17 दिसम्बर 2016
ORGANIZED BY : विज्ञान भारती, राजस्थान
VENUE : राजस्थान विश्वविद्यालय, जयपुर
ATTENDED BY : डॉ. ज्योति अरोड़ा

Most times your computer is not responding as you expected
– first try to find out if the "ERROR" is not sitting right next to the computer.

PHD AWARDED

NAME : Neha Purohit, Department of English
TITLE : Ideology and Cultural Identities in the Plays of Mahesh Dattani
SUPERVISOR : Prof. Sudha Rai, Former Dean, Dept of Humanities and Head, Dept. of English, UOR
UNIVERSITY : University of Rajasthan, Jaipur

NAME : Naval Kishor Jangid
TITLE : A Study of General Sequence of Functions with their Applications
SUPERVISOR : Dr.V.G Gupta, Former Associate Professor, UOR
UNIVERSITY : University of Rajasthan, Jaipur

NAME : Deepa Sarabhai
TITLE : Understanding Jhumpa Lahiri: A Psycholinguistic Study of Her Works
UNIVERSITY : Banasthali Vidyapeeth, Rajasthan

M. TECH. COMPLETED

CANDIDATE NAME : Ajay Kumar Dhanopia
BRANCH : Machine Design
DISSERTATION TOPIC : Selection of Biomaterial Prosthetic Plate Implant with Fractured Human Femur Bone in Static Loading through Finite Element Analysis

CANDIDATE NAME : Namita Soni
BRANCH : Machine Design
DISSERTATION TOPIC : Experimental Investigation on Aramid Fibre Reinforced Epoxy Composite in Slurry Erosive Environment for Wind Turbine Blade Application.

CANDIDATE NAME : Deepak Saini
DISSERTATION TOPIC : A few investigations on Electricity Price Forecasting (December 2016).

CANDIDATE NAME : Ankit Kumar Sharma
DISSERTATION TOPIC : A Few Investigations on Voltage Stability Assessment and Control (January 2017)

PAPERS REVIEWED

Dr. Alok Mathur, Dept. of ME is in the review committee for manuscript no. TPPC-2017-0043 for Taylor and Francis journal production Planning and Control. He has already reviewed the paper for Inderscience International Journal of Renewable Energy Technology (IJRET), and manuscript no. AME-16-0667 for SAGE Journal Advances in Mechanical Engineering.

Intolerant India or Intolerant YOU?

Issues and conflicts,
opinions and judgements.
Aware of the ill side,
we still talk of development.
We want to move ahead,
for the country we want upliftment.
But when it comes to play a role,
we sit still with a complaint...!

Intolerance debate is the ongoing fashion today,
I know things or I don't, but my opinion,
of course, I have to say.
I react, I cry,
I call India an unsafe place to stay.
I blame, I protest, but from my responsibilities
I have swayed....!!

It is not about intolerance,
it is about insensitivity;
It is not about an unsafe country,
it is about a disturbed mental state;
It is not about blaming others;
it is about changing yourself;
India is not intolerant;
probably you have narrowed
down your tolerance levels.
Think and ponder..!

Anay Mathur , I BTech., Dept. of ME

**"Projects
we have completed
demonstrate
what we
know
- future projects
decide what
we will learn."**

Dr. Mohsin Tiwana

PROJECT EXPO-2017

With inspiration from Prof. S. L. Surana - Director (Academics), and under the guidance of Prof. N. K. Banthiya – Head, ME Department, **PROJECT EXPO-2017** provided a platform to young engineers and managers of Rajasthan to showcase their creativity and innovation. It also provided a framework for interaction between students and leaders of corporate sectors, influential scientists and, of-course, the experienced faculty members of various engineering colleges. A project exhibition-cum-competition fulfilled the primary objective to generate opportunities for engineering students to demonstrate application of sound engineering principles toward innovation & creativity by efficient projects in different branches of engineering. It was also aimed to establish a long term interactive atmosphere with various industries (Rajasthan Electronics Instrumentation Ltd., Jaipur & Nifty Innovations Pvt. Ltd., Jaipur, in particular) that may provide an industrial experience to the students of our institute.

The participants demonstrated their project expertise in several areas like:

- Aeronautical-Fluid Dynamics and Propulsion, Automatic Control and Vibration Control, Structures and Materials.
- Bio-Medical Engineering-Biomechanics & Bioinstrumentation, Bio Imaging and Image analysis and Patient Monitoring system
- Bio-Technology- Industrial Bio Technology, Agro Bio Technology and Healthcare Bio Technology.
- Civil-Sustainable Construction Material, Steel and Concrete Structures, Transportation Systems and Water Resource Management.
- Chemical-Fluid Dynamics, Complex Fluids and Multiphase Phenomena Catalysis, Reaction Engineering and Reactor analysis and Optimization and Process Control
- Computer Science Engineering & Information Technology-

Network Security, DBMS and Data Mining

- Electronics and Communication Engineering- VLSI System and Circuit Design Synthesis, Wireless Communication, Antennas and Multimedia Processing
- Electrical Engineering- Power Electronics in Renewable Energy system, Industrial Automation Control, PLC and SCADA Power Systems.
- Mechanical Engineering- Mechanics, Design, Manufacturing and Development and Robotics, Automobile Engineering.

Following were the faculty members who were accompanied Mr. **Ajay Kumar Dhanopia (Chief-Coordinator)**, ME Deptt. along with a team of 18 students.

1. Mr. Sudhanshu Chajed – Co-ordinator (Asst. Prof. ME)
2. Mrs. Pooja Chaudhary -(Asst. Prof.-ECE Deptt.)
3. Mr. Nihit Giri-(Asst. Prof.-EE Deptt.)
4. Mr. Ankit Sharma-(Asst. Prof.-CE Deptt.)
5. Mr. Saurabh Ranjan-(Asst. Prof.-CS/IT Deptt.)
6. Mr. Pawan Kumar Jain – (Asst. Prof. – I Year)
7. Dr. Santosh Gupta – (Prof. – Pharmacy)
8. Dr. Savita Chaudhary – (Prof. – MBA)

Project Expo-2017 started with a formal inauguration by Shri. B.L.Soni (IPS) Additional Director General of Police, SDRF HQ, Rajasthan. He was accompanied by Shri Surjaram Meel, Shri Jaipal Meel, Prof. S. L. Surana, Prof. S. K. Calla, Mrs. Rachna Meel and Prof. Ramesh Kumar Pachar. It was very pleasant to witness projects of our Institute which were innovative and based on industrial application. It grabbed high attention and a lot of interaction took place between local visitors, industrial representatives and various delegates of the event. The first day featured interactions among people about the projects of SKIT.

Besides this, a number of other engineering colleges also exhibited their projects.

Table.1: Details of the Participating Engineering Colleges and Industries

Name of Engineering Colleges	
Swami Keshvanand Institute of Technology, Jaipur (Department Participation- ME, CS/IT, EE, ECE, CE, I Year, Pharmacy, MBA)	
Vivekananda Institute of Technology, Jaipur	Poornima University, Jaipur
Kautilya Institute of Technology, Jaipur	Jaipur Engineering College & Research Centre, Jaipur
Jaipur Engineering College, Jaipur	Poornima College of Engineering, Jaipur
Name of Industries	
Nifty Innovations Pvt. Ltd., Jaipur	Rajasthan Electronics Instrumentation Ltd., Jaipur
Pro-CAD Pvt. Ltd., Jaipur	Shubh Enterprises Ltd., Jaipur
Rays Power Ltd., Jaipur	Start-up Oasis, Jaipur



The jury members included Mr. S. R. Nirmal, Manager (QA & PPC) REIL, Jaipur and Professor V. K. Jain, (EE Deptt.) MNIT, Jaipur. They had a proper marking scheme on the basis of innovations, impact (content and relevance), innovation and creativity, efficiency and feasibility, communication, presentation and commerciality to evaluate all the projects. The team evaluated all projects and also gave valuable suggestions while evaluating the projects

Shri. A. K. Jain, Managing Director, Rajasthan Electronics Instruments Ltd. (REIL), Jaipur was invited as the chief guest for the prize distribution ceremony. Mr. Jain distributed certificates and cash prizes to the winning teams. He also motivated all participants by sharing his valuable knowledge and experience and thanked all students for providing technical and financial assistance on behalf of REIL, Jaipur.

Table.1: Details of the Participating Engineering Colleges and Industries

Name of College	Title of Project	Name of Students	Position Secured
SKIT, Jaipur	Design and Fabrication of an Economic 3-D Printer	Amol Dhupar, Vikas Kumawat, Uzair Khan, Mudit Gupta, Akhilesh Pareek	1 st
SKIT, Jaipur	Voice Controlled Solar Car with Hybrid Operation	Ashutosh Gautam, Bharat Singh, Akshit Rohilla, Abhishek Singh	2 nd
SKIT, Jaipur	Eye Dog App.	Sumit Arora, Neha Sharma	3 rd
SKIT, Jaipur	Porous Asphalt Pavement	Anil Kumar Vishnoi and Team	3 rd
Poornima University, Jaipur	Automation of Virtual Machine Life Cycle Management	Jaishri Malhotra	4 th
SKIT, Jaipur	Controlling the motion and direction of wheelchair with voice controlling through Android Mobile	Aakriti Mathur, Abhinav Gupta, Chandan Mourya, Aishwarya Bhatnagar, Akash Gupta	4 th

Ajay Kumar Dhanopia
Asst. Prof. (ME Deptt.)
Chief Coordinator- Project Expo-2017

CAPSULA MUNDI : AN ENVIRONMENT FRIENDLY WAY



Burial and cremation are the two most common practices of human dead body disposal in the world. Burial involves coffin boxes for the body and cremation involves burning the body which not only burns soft tissues but reduces much of the skeleton to ash or cremains. Cremains contain pieces of bones which are many times ground in a machine turned to powder and generally scattered on land or in water bodies.

Both the above stated methods are not eco friendly, because the first one involves turning of forests into grave yards and the second one is responsible for polluting land and water bodies to some extent. These problems lead us to a question: what is the environment friendly way to dispose off a dead body? And the answer to this question has been found by two Italian designers, Anna Citelli and Raoul Bretzel, who have designed Capsula Mundi. It is a project which allows a dead body to be fed by the earth or oceans in a sustainable way.

The basic idea is to allow the dead body to recycle back into the earth naturally. Capsula Mundi is basically an egg-shaped pod, which is made of biodegradable material such as potato and corn starches, where our departed loved ones are placed for burial. Ashes can be held in small Capsulas, while bodies are laid down in the fetal position in larger pods. This pod is then buried as a seed in the earth and a tree is planted on top of it, the mixture of microbes and nutrients from the decaying body would feed the tree which serves as a memorial for the departed and as a gift to the future of our planet. Thus cemeteries and graveyards may acquire a new look in the form of green forests. This concept of Capsula Mundi is beyond cultural and religious traditions and is presently not acceptable in most of the countries of the world. However, if everyone understands their integrated part in nature and realizes that we all are part of nature's cycle of transformation, we can give a precious gift to the community and to the future in the form of forests where communities will come together and care for nature.

Priyanka Gupta, Assistant Professor, Dept. of CE

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OUTCOME-BASED EDUCATION (OBE)

'Student outcomes' are the qualities that students should possess when they graduate from the program: "What sort of people do we expect our graduates to be?"

In Spady's words: "Outcome-Based Education means clearly focusing and organizing everything in an educational system around what is essential for all students to be able to do successfully at the end of their learning experiences. This means starting with a clear picture of what is important for students to be able to do, then organizing the curriculum, instruction, and assessment to make sure this learning ultimately happens" (Spady, 1994:1).

OBE describes an educational process which is based on trying to achieve certain specified outcomes in terms of individual student learning. OBE presupposes that someone can determine what things are "essential for all students to be able to do", and that it is possible to achieve these things through an appropriate organisation of the education system and through appropriate classroom practices. OBE thus involves the restructuring of curriculum, assessment and reporting practices in education to reflect the achievement of high order learning and mastery rather than the accumulation of course credits.



IN THE OUTCOME BASED EDUCATION (OBE) APPROACH

- Curricula are seen as guides that allow lecturers to be innovative and creative.
- Critical thinking, reasoning, reflection and action of the students for problem solving are analyzed. It is a learner-centred system.

- Learners take responsibility for their learning. Pupils are motivated by constant feedback and affirmation. The organization has to set the mindset of the learners.
 - Assessment is an integral part of the whole system. Learners are assessed on an ongoing basis.
 - Students will not get marked just for memorizing subject content.
 - Different aspects of the learner's abilities, such as creativity and critical thinking, will also be assessed.
 - Lecturers are central to the implementation of the OBE. Lecturers are required to focus on the outcomes of education rather than merely teaching information.
 - The lecturer will plan all activities around these outcomes.
- To achieve objectives of OBE, Spady identifies four organising principles of OBE:
1. Clarity of focus: broad and specific outcomes for the educational program must be clearly identified for students.
 2. Designing back: Curriculum content should flow clearly from the most general valued outcomes to relate to more specific outcomes and to class lesson activities.

Assessment should be integrated with these outcomes in a coherent manner. In this way the program of study for a student within and across year levels will have a clear relationship with curriculum goals.

3. High expectations for all students: This principle requires that successful and challenging learning experiences and achievement of high standards are to be a part of learning for all students.
4. Teachers must provide expanded opportunities to allow for achievement of outcomes in a variety of ways. Associated with principle 3 is the view that different learners may take different routes and different amounts of time or different numbers of attempts to achieve the same outcome. A consistent theme in Spady's work is that OBE "systems make WHAT and WHETHER students learn successfully which are more important than WHEN and HOW they learn it."

FOLLOWING FIGURE SHOW OBE FRAMEWORK

In OBE, time allowed for achievement of an outcome is assumed to vary between students. Spady argues for achievement-based rather than time-based progression.

Effective constructive alignment in outcomes, the content of teaching, pedagogy and assessment used in assessment is more likely to emerge from OBE system better than other approaches because the 'working back' from agreed outcomes encourages greater coherence.

Major responsibility for the achievement of outcomes is on the institute and its teachers:

Institutes are expected to fulfil their obligation of equipping all students with the competence and qualities needed to face the challenges beyond the institute door. The evaluation of the effectiveness of class-institute and system-level policies and practices must be based on the extent to which students achieve the outcome.

Curriculum designers should consider which outcomes of the curriculum are valued and use them in structuring the curriculum framework or to design the syllabus statement.

OBE is discipline-based approach and more input-focussed starting from consideration of existing forms of knowledge that are generally valued in society.

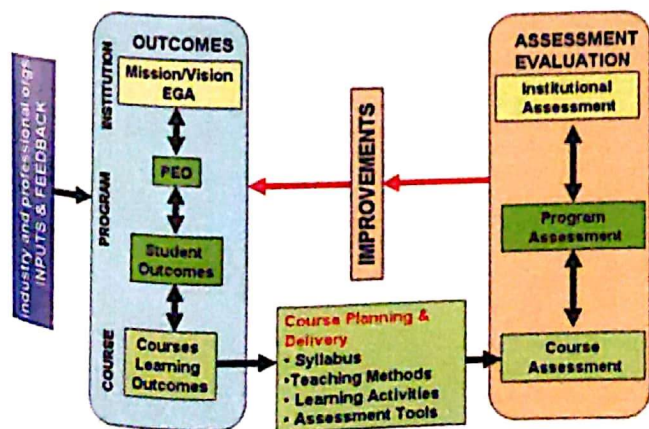
D.Hariyani, Associate Professor, Dept. of ME

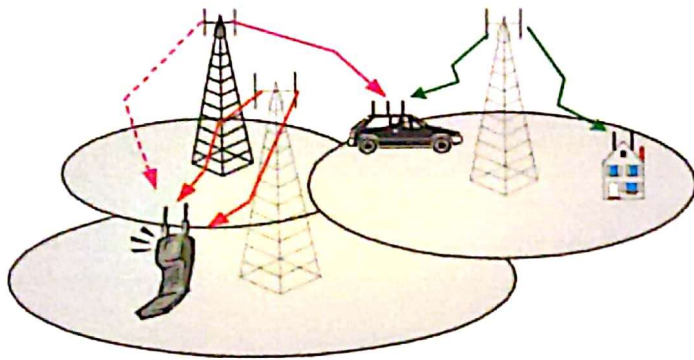
MIMO TECHNOLOGY FOR WIRELESS COMMUNICATION SYSTEM

MIMO is a new wireless technology conceived in the mid 90s. It is based on an entirely new paradigm for digital signal processing that multiplies the data rate through wireless communication products. It greatly improves the reliability, range and robustness of the connection providing a much better user expertise that is closer to wired Ethernet quality. MIMO is effectively a radio antenna technology as it uses multiple antennas at the transmitter and receiver to enable a variety of signal paths to carry the data, choosing separate paths for each antenna to enable multiple signal paths to be used.

MIMO technology has attracted attention in wireless communications, because it offers significant increases in data throughput and link range without additional bandwidth or transmit power. It achieves this by higher spectral efficiency and link reliability or diversity, because of these properties, MIMO is an important part of modern wireless communication standards such as IEEE 802.11n (Wi-Fi), 4G, 3GPP Long Term Evolution, Wi-MAX and HSPA.

The OBE Framework





FORMS OF MIMO:

1. SISO: Single-Input Single-Output (SISO) is a radio system where neither the transmitter nor receiver has multiple antennas.
2. SIMO: Single-Input Multiple-Output (SIMO) is a degenerate case when the transmitter has a single antenna.

3. MISO: Multiple-Input Single-Output (MISO) is a degenerate case when the receiver has a single antenna.
4. MIMO: Multiple-Input Multiple-Output (MIMO) is a case in which both the transmitter as well as receiver has multiple number of antennas.

APPLICATIONS OF TECHNOLOGY:

As per the recent news, it is expected by 2020, 5G cellular may spawn to new air interfaces as well as new antenna designs based on emerging massive MIMO technology, experts here generally agree that the advances of 5G will depend heavily on use of millimetre wave frequencies and massive MIMO antennas, most of the interest and benefits of 5G lies in use of millimetre wave bands around 28 to 90 GHz.

Harshal Nigam, M.Tech (Digital Communication)



BIOMEDICAL WASTE MANAGEMENT PRACTICES IN INDIA

Premjeet S., Shashwat S., Dullar H., Gupta S.K., Singhal S.

Swami Keshvanand Institute of Pharmacy, Jaipur



Abstract : Economic development of India in last two decades has resulted in environmental pollution and waste generation in huge quantity in India. Today biomedical waste management has become one of major issue of concern in India taking into account the rate of growth of population. In this poster an attempt is made to study the classification, legislation and management practices in relation with biomedical waste in India. In the country like India only 1 to 1.5% is Bio medical waste of the total amount of solid waste generated in a city, of which 10-15% is considered infectious.

Aims : To create awareness amongst the souls.

Introduction : Due to rapid urbanization and alarming growth in population bio medical waste management has become one of the major issues of concern. Waste product which is infectious, hazardous, and sometimes radioactive and is generated during the various medical related activities such as diagnosis, treatment and immunization is known as Bio medical waste.

Biomedical Waste^{1,2} : Hospitals, clinics, research centers and health care centers use wide variety of drugs including antibiotics, radioactive substances, corrosive chemicals, which ultimately contribute in Bio medical waste. In the country like India the total amount of municipal waste a city generates, only 1 to 1.5% is Bio medical waste, of which 10-15% is considered infectious. Whereas, in developed countries due to increased use of disposables the waste produced has been up to 5.24 Kgs per bed per day. In hospitals of United Kingdom's, France, Norway, Spain, Netherlands, USA and Latin America, waste produce is 3.3 Kgs, 2.5 Kgs, 3.9 Kgs, 4.4 Kgs, 4.2 Kgs, 4.5 Kgs and 3.8 Kgs per bed per day respectively which is on very higher side as compare to developing country like India. Most hospitals in India generate 1-2 Kgs per bed per day, except the tertiary care hospital (e.g. AIIMS and SKIMS) which produce waste on higher side. According to World Health Organization (WHO) estimates 85% of Bio medical waste is actually non-hazardous and around 10% is infectious while the remaining 5% is non-infectious.

Table : Category of biomedical waste

Category	Waste Content	Method of treatment and disposal
1.	Human Anatomical Waste	Incineration /deep burial
2.	Animal Waste	Incineration /deep burial
3.	Microbiology & Biotechnology Waste	Local autoclaving/ micro waving/incineration
4.	Waste sharps	Disinfections chemical treatment/autoclaving/micro waving and mutilation shredding
5.	Discarded Medicines	Incineration/destruction & drugs and drugs disposal in secured landfills
6.	Solid Waste	Incineration, autoclaving/ micro waving
7.	Solid Waste	Disinfections chemical treatment/autoclaving/micro waving and mutilation shredding
8.	Liquid Waste	Disinfections by chemical treatment and discharge into drains
9.	Incineration Ash	Disposal in municipal landfill
10.	Chemical Waste	Chemical treatment and discharges

Primary and secondary sources of generation of biomedical waste :

Primary sources : Hospital, Medical College, Nursing Home, Immunization centers, Dispensaries, Nursing Homes, Maternity home, Animal research, centers, Dialysis center, Blood bank, Research lab & Industries, etc.

Secondary sources : Clinic, Ambulance Service, Home treatment, Slaughter houses, Funeral Service & Educational institutes, etc.

There are generally four key steps to medical waste management: 1. Segregation into various components, including reusable and safe storage in appropriate containers 2. Transportation to waste treatment and disposal sites 3. Treatment 4. Final disposal

Legislative aspect in relation to biomedical waste : Various central legislation related to biomedical waste management in India are as follows
 • The water (prevention and control of pollution) Act, 1974 • The Air (prevention and control of pollution) Act, 1981 • The Environment(Protection) Act, 1986 • The hazardous waste (management and handling) rules, 1998 • The Biomedical waste (management and handling) rules, 1998 • Municipal Solid waste (management and handling) Rules, 2000 • The Biomedical waste (management and handling) rules Amendment, 2000 and 2003. • The Bio-medical Waste (Management and Handling) Rules, 2011 [Draft].

Conclusion: The present poster conclude that Bio medical waste is one of the most hazardous waste generated by human beings. Governmental and non governmental agencies have recognized the biomedical waste management as matter of concern. Proper methods of treatment of bio medical waste needs to be developed for health and environmental safety.

Reference:

1. Acharya, D. B. and Singh, M. (2000). The Book of Hospital Waste Management, Minerva Press, New Delhi, 2000, 15, 47.
2. Ahmed, R. (1997). Hospital Waste Management in Pakistan: Case Study Report Special Waste Fractions: Hospital Waste, Waste, August 1997.
3. Akter Nasima (1998). Medical waste management. Environmental Engineering program school of Environment, Resources and Development, Asian Institute of Technology.
4. <http://health.delhi.govt.nic.in/Healthfiles/bio.htm>.

Poster Presentation Competition on Bio-waste Management 25, Feb. 2017 @IIHMR University.



PLANAR PHOTONICS CIRCUITS USING METAMATERIAL CLOAKING

Over the last decades, the enormous development in Silicon chip scale technology has witnessed a continuing progress towards VLSI (Very Large Scale Integration) electronic devices. According to Moore's law, the number of transistors and diode approximately doubles every year with increasing chip scale technology and the law has reached its limit in the current context [1-2]. The problem has become more pronounced in the last years [3].

On the contrary, photonic circuits have significant advantages over the electronic counterpart in terms of immunity to EM wave interference, faster data rate processing, and large bandwidth and enhanced sensing capability [5-10]. Furthermore, it can also be suitably used as a miniaturized circuit. Therefore, the optical interconnects based on photonic circuits can be treated as best alternative for electronic circuits, but miniaturization at the level of electronic circuits is still a challenge for photonic circuits [11]. The major disadvantage for optical counterpart is to confine light in an ultra small area or footprint lies under the realm of the fundamental law of diffraction. This bottleneck problem is nowadays addressed by latest research in the field of Meta-material cloaking [1].

Cloaking is an ability to hide an object by utilizing an effect of electromagnetic field manipulation [2]. Great potential lies in the field of cloaking. In general, metamaterials are used to implement cloaking effect by the method of transformation optics and the conformal mapping techniques [3,4]. The cloaking effect is constrained to bandwidth issues and metallic inclusions accompany loss problem [5]. To circumvent all these issues, carpet cloaking is

preferred [4]. The cloaking effect can also be obtained in waveguide optics to address and even enhance the sub-wavelength confinement.

Professor Rajesh Menon and his team are working to design and develop a cloaking device for photonic integrated circuits. They have utilized a silicon-based cloaking barrier between two photonic devices to make the neighboring device invisible to one other [1]. Experimental results show that signal is confined in an area far beyond the diffraction limit of optical device. Signal is confined to the waveguide with dimension far beyond the diffraction law. This could probably increase the integration density two fold. This confinement in optical device is a breakthrough in Planar Lightwave circuits [1].

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Rukhsar Zafar, Associate Professor, Dept. of ECE

Chemistry

Oh! The subject chemistry,
I treat you as a mystery;
With such a mystery of atoms,
I have dreams of phantoms
My head aches when test tube shakes
Oh, the subject chemistry
You will bake me as a pastry!
As hard as you are tough
But you have made my brain flow
Sometimes you are acid,
Sometimes you are base,
I don't know what I am in the case
Oh you the subject chemistry
You have bloomed the science tree

Himmat Singh, IV B.Tech, Dept. of EE

HUMANLY

From the day we were born, till the day we die
We sin under the holy sky, To gain invaluable respect
Or to change everyone's stubborn perspective
Moving like an old sheep,
Making promises that we can't keep,
Not thinking about taking some sleepy rest,
We work hard to show our best,
Building our houses laboriously,
Keeping our wallets filled statistically
Running in search of food and money,
We forgot love is the sweetest honey
Lost in the echo of his own voice,
Can't separate tasty music from noise
What has happened to today's man,
Greedy, arrogant and acting INHUMAN.

Tarun Bhambhani, II B.Tech, Dept. of CS

DRIFTING VALUE SYSTEM – A CONCERN FOR ALL

Living is an art – the most complicated art. The life of a modern man has become so complex that right from his childhood one has to lead a life fraught with danger. The 'art of living' in the modern times has become worldly and materialistic. Such is the present social environment. This materialistic mindset might have enabled us to produce successful professionals, globally-renowned doctors, engineers, lawyers, entrepreneurs etc. but not successful human beings. No wonder the youth today feel so restless, demoralized and disillusioned.

Today everyone wants to be at the acme of success by hook or by crook. It is an era of cut throat competition and rat race. One can never be successful or superior by belittling the opponents. Such success is just an illusion and not a real one. It is imperative to stop for a while, think and self-analyze. 'No time to share and care' attitude prevalent in the society nowadays should come to an end.

Intolerance is one of the major problems today. Religious intolerance, conflict of thoughts and lack of mutual respect has led to a complete chaos and indiscipline, hence an increased crime rate. Not only this, moral degeneration and spiritual deprivation is also a matter of concern today. The family and society get so preoccupied in preparing the child to be competitive in the academic world that they lose sight of what really makes a child to be happy, confident and secure in the world. We can say the basic ingredients that lead to real success have become insignificant.

Teachers and parents will have to shoulder the responsibility of inculcating the character traits like honesty, trustworthiness, integrity, mutual respect, sense of responsibility, perseverance etc. to build a complete and compassionate human being. Expecting the best from our children means also providing them all the support and opportunities to reach their goals. For that, we not only have to teach them how to manage their time, how to be effective communicators but also we need to make the child 'heart smart' so that he celebrates his individuality, yet bring positive differences in the lives of others. With nuclear family trends and the single parent home, it is more important, now that life skills be reinforced right from the elementary level. It can then help us to prepare our little ones for easy and smoother life ahead.

Feeling empathy in a relation, learning to be sensitive to a friend's pain or anguish will help a child to be happier. The only way out of his deceptive and complicated world is his spiritual and moral regeneration by listening to the inner voice, which can never mislead him. Reawakening of man's conscience is the need of the hour. Values can be elusive, but are obtainable through examples. It may

take time but is surely attainable. We all agree that children are our future and in whatever way we can, we must contribute to make their future brighter and productive. We certainly will.

"When there is a conflict between the heart and the brain, let the heart be followed."

Jitendra Singh, Assistant Professor, Dept. of EE

INTERNATIONAL WOMEN'S DAY (8 MARCH)

International Women's Day (March 8) is a global day that celebrates the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity.

International Women's Day (IWD) has been observed since early 19TH century- a time of great expansion and turbulence in the industrialized world that saw booming population growth and the rise of radical ideologies. No government, NGO, charity, corporation, academic institution, women's network or media hub is solely responsible for International Women's Day. Many organizations declare an annual IWD theme that supports their specific agenda or cause, and some of these are adopted more widely with relevance than others. "The story of women's struggle for equality belongs to no single feminist nor to any one organization but to the collective efforts of all who care about human rights," says the world-renowned feminist, journalist and social and political activist Gloria Steinem. Thus, International Women's Day is all about unity, celebration, reflection, advocacy and action.

Bhuvnesh Dhakar, II B.Tech, Dept. of EE

ALMIGHTY'S EMPTY BAG

Whatever you seek passionately, whatever you wish for with focus, the universe, the cosmos will make it happen. The most igniting lines of life which have the power to achieve our goals. So whatever you seek passionately will definitely come to you. When we are tensed, we usually think, "why did it happen to me only?" "Am I the only one who has to suffer so much?" Likewise so many questions arise in our mind and at that time we lose our control over our mind and we start despising ourselves. We should remember that God has sent us with an empty bag and we have to fill it and it can be with anything. May be happiness, sorrow, positive attitude, gratitude etc. Gratitude, a magical word which has the power to change one's world. It has the power which can make us see beauty in a beast.

After God made us, we are the creators of our own lives. So we create things, whether positive or negative. We have to make the best of our life instead of grudging and imposing we should feel gratitude towards everything because gratitude brings more into our lives and bad thought pattern will take a heavy toll on you. We should be crystal clear in our mind about what we want; only then those things will come to us.

We should accept everything happily as a benediction, as an offering of God. Change negatives to positives. This will lead you to heights of success and will fill your Almighty's bag with happiness

Shikha Sahay, I B.Tech, Dept. of IT

HAVING TOO MANY FACEBOOK FRIENDS.....

Facebook lets people connect. They can give each other updates, share photos and post comments. But that's not all, facebook might also stress users out.

In a new study, researchers asked 12-17 year oldies to complete a questionnaire. Teens answered about their feelings & state of mind. Some questions brought out signs of stress & depression. People with depression are generally sad & may lack energy in day to day jobs. Other questions asked for facebook users feelings of stress and self esteem and some questions asked how much support. They expected from other people. The volunteers also gave saliva samples. This happened 4 times a day on two different days. Researchers tested those samples for cortisol. This chemical is a stress hormone. It's levels vary throughout the day.

It was discovered that there was a development of anxiety in users. A non stop flood of cortisol can harm parts of brain that deals with learning & emotions. Anxiety, forgetfulness & moodiness can result. Chemical changes in brain could contribute to depression or other health problems as well. Studies show that high levels of cortisol in the morning can raise the risk that a teen will develop depression later on. People with over 300 fb friends have somewhat higher cortisol level. "Having too many facebook friends can be stressful" researchers suggest". Upto a certain number of friends you feel good social support but at some point, it switches. Perhaps managing a huge number of facebook friends just takes too much work or may be most of them are mere acquaintances rather than close, supportive friends.

Himmat Singh, II B.Tech, Dept. of EE

THE INCOMPLETE PAGE

Over those morning garbage heaps I found a crumpled page easing its way towards the rays of the shining sun. The floating words ruled my brain to pick it up and read the matter. It was someone else's

sensation, reaching to the end of the paragraph; I got to know something was troubling the owner of that page. From that morning till the night I was spell bound and overdriven, trying to understand that feeling:

"All that glitters is not always gold. YES, I can live for all but can't I live for my own self. Passion, dreams, self respect are the words that, are related to an individual. Why do I lose my temper? Why am I the one who does not want to see the dark side of life? I want to be a day dreamer, I want to be a great orator, I want to fly high in spite of all the difficulties, I want to talk endlessly with my own self and continue all that 'I-I' sort of stuff".

That was all that I could read as the vision was lost, and I had frequent goose bumps. Tears rolled out of my eyes as I was sharing the same situation. It seems as if the sun wanted me to stare at that paper to recreate my life and bury those dead thoughts. I geared up and read the last line with utter concentration shattering all evil thoughts. Though it was not the last one but the paper was torn and half burned. All I could scan was:

"I feel I am the best and that's how I want to live. The rest does not bother me at all. Yes, I believe in hard work and self belief and will always act on it. May be, that person has changed or not, may be he was successful; but what I figure out from that incomplete page was:

"BEING WHAT YOU ARE IS THE BEST THING AND NO ONE CAN DENY THAT"

Nilay Meheshwari, I B.Tech, Dept. of CS

"There are two educations. One should teach us how to make a living and the other how to live."

-John Adams



GIVE YOUR BEST SHOT

Most of the people are born to live, but there were some people who were born to win. It is a story of 1938 of a Hungarian Soldier, named Karoly Takacs who was the best pistol shooter of the country at the time. All the national championships, which took place in 1938, were won by him. In addition, all the Hungarians hoped that Karoly would win GOLD in the 1940 Olympics. He was trained for years and had only one desire & goal and that was to make his right hand the best pistol shooting hand in the world.

In 1938, after all the Championships, an Army training camp was going on. Since he was in the Army he took part in the camp as well. However, in that camp a disastrous incident happened. The same hand by which he was going to win the GOLD in 1940 Olympics got seriously injured due to a Hand Grenade explosion. He lost his right hand & all his dreams shattered at the same time.

He had only two ways: the first was to cry for the whole life and fall into oblivion. The second was to pursue the dreams he had seen, the goal he always wanted to achieve.

Many people choose first but with full determination he chose the second way and focused not on what he had lost, but on what he still had.

What he had was the left hand. The hand with which he couldn't even write properly. He was treated in the hospital for a month for his injured right hand. Exactly the next day he started his training with his left hand secretly.

After a year, he completed his training with his left hand. He made a comeback in 1939. National Championships were going on at that time in Hungary. Many of the pistol shooters were there. They congratulate him by saying, "This is the sportsmen spirit. Even after the disastrous incident he has come to watch us and to raise our confidence".

Nobody knew that he was doing his training with his left hand. He

replied, "I have not come here to raise your confidence, I have come to compete with you. I have come here to give a tough fight". The competition took place. All the competitors were competing with their best hands and he was the one who was competing with his ONLY hand. Do you know who won? THE MAN WITH THE ONLY HAND.

But he didn't stop yet. His goal was not just to make his ONLY hand the best hand in the country but to make it the best in the world.

He put in all his focus on the 1940 Olympics. However, unfortunately, the 1940 Olympics were cancelled due to World War II.

Then, he put all his focus on the 1944 Olympics but they were also cancelled due to the same reason. He became depressed. Still, he started eyeing the 1948 Olympics, London.

When he started in 1938, his age was 28 years. In 1948, he became 38 years old and competing against youngsters was very difficult. Nevertheless, the word, "difficult" was not in his dictionary. He went there and found many shooters who were competing with their best hands and he was the one who was competing with his ONLY hand, Guess what who won: THE MAN WITH THE ONLY HAND, Karoly Still he did not stop yet. He was born to win. He had not given his best shot yet.

In 1952 Olympics-Finland, he competed again at the age of 42. There he gave his best shot and won the GOLD again. He changed the history of the Olympics. He became the only athlete who won GOLD in two consecutive Olympics.

If you go to loser, he will have many reasons for losing; but if you go to a true winner like Karoly, he will have many reasons to win.

Abhishek Gupta, II B.Tech, Dept. of CS



Some pictures of Karoly

A BEAUTIFUL HEART

One beautiful heart is better than a thousand faces. Beauty is not about having a pretty face; it is about having a pretty mind, pretty heart and pretty soul. There is a lot of difference between looking beautiful and feeling beautiful. The former refers to the visual elements, such as the shape of one's body, skin and hair, while the latter refers to one's inner beauty. Inner beauty is based on one's personality traits, such as, action, attitudes and behavior. It's our inner beauty which is reflected in our soul.

It leads us towards positivity. If we feel good about ourselves, we can increase our self-confidence and lead ourselves towards total self-improvement. So, there is a need for increasing inner beauty. Real beauty is not to be conformed to conventional beauty standards, but it's to one's inner self. Our inner self is the person we are from inside. The real beauty comes from within which is more important than one's outward appearance. One looks good with external looks, but is known better in terms of internal features. It's personality which is based on one's emotional, intellectual and spiritual qualities.

The inner beauty is something which a person needs to pay attention to, because, as he gets on with his life, all deeds and actions are drawn from that inner beauty. Hence, the need is to acknowledge and improve the inner beauty to lead life successfully. It is our inner beauty that has a lot to do with what we offer to the world which means having a direct impact on society and the life we spend on this earth. In this way, one should not discourage oneself if he or she is not genetically inherited in a way to match a perfect appearance. It must be noted that the physical features of one's face and body are determined by genetics in that there is no real contribution of a person, but what contributes significantly is what you have worth offering others. Thus, feeling our best is more important than looking physically beautiful and attractive, so that we can successfully offer our talents, intelligence and knowledge by performing an act of kindness and compassion, gracefulness and empathy which is revealed by nothing else but our inner beauty.

Conforming to the so-called beauty standards is nothing more than leading oneself towards facing disappointments or discontents or displeasures, which creates negativity, hinders success and does not allow one to make one's talent shine. It must also be noted that if we believe in such beauty standards, in other words, we are teaching ourselves to hate our bodies, set us apart from others leading a dissatisfactory life, whereas it is important to believe that every person has talents and talents should be discovered, so that we can find them as strengths to live life satisfactorily.

Directing ourselves to consider the importance of inner beauty, we can discontinue forming thoughts of perfection. We begin to accept as we are while improving our inner qualities that are far better than facial attractiveness. Instead of giving preference to how we look with our skin color, shape of our eyebrows, eyes, nose or lips, we need to focus our attention to improve our personality in terms of inner beauty – which is the real beauty – beauty of the heart that



shines within us. It provides us perceptual experience and pleasure and satisfaction inspiring us to perform good deeds and actions.

At the end of the day, nobody remembers a beautiful face. We only remember the person with a beautiful heart and soul.

Dr. Meena, Associate Professor, Dept. of Chemistry.

The Lily Out of My Window

I'm glancing out the window
To enjoy the nature's tricky show
The sun is well lit up
Making my world shine up
The seasons just come and go ...
With the breeze moving to and fro
The lily out the window
Which stands beneath the shadow
Is meant for me, meant for me
To shower the stuff which I could need
The moment, it led me to roar
The days just come and go
The life was earlier just fear stricken,
and now I want To fly, to fly
It just only meant for me
Now which I was so keen
It was something for me, just for me
Though it made me crazy...
The disabled wax has now melted up
By letting its all sad fumes
It's the time of high shine
Which made me aware
And now I want to fly, to fly
Amidst the sun & sky...

Karan Bari, IV B.Tech., Dept. of EE



तू युध्द कर

तू युध्द कर, माना हालात प्रतिकूल हैं, रास्तों पर बिछे शूल हैं
रिश्तों पे जम गई धूल है, पर तू खुद अपना अवरोध न बन
तू उठ... खुद अपनी राह बना... माना सूरज अँधेरे में खो गया है...
पर रात अभी हुई नहीं, यह तो प्रभात की बेला है,
तेरे संग है उम्मीदें, किसने कहा तू अकेला है।
तू खुद अपना विधान बन, तू खुद अपना विधान बन—
सत्य की जीत ही तेरा लक्ष्य हो, अपने मन का धीरज, तू कभी न खो
रण छोड़ने वाले होते हैं कायर, तू तो परमवीर है, तू युध्द कर—तू युध्द कर...
इस युध्द भूमि पर, तू अपनी विजयगाथा लिख, जीतकर के ये जंग, तू बन जा वीर अमिट
तू खुद सर्व समर्थ है, वीरता से जीने का ही कुछ अर्थ है
तू युध्द कर — बस युध्द कर...

भुवनेश धाकड़, द्वितीय वर्ष, विद्युतीय अभियांत्रिकी

नारी

अखण्ड लौ का प्रतीक... प्रचंड रूप दायनी, दुर्गा की छांव... ममता रूप दायनी
मिन्न रूप का खेलती खेल... मां बहन पल में खुद को प्यार से संवारी...
हर क्षेत्र में वर्चस्व तेरा... देश की मायदायनी...
मिलाती है कदम से कदम... सबल से लहर को पुकारती...
घन्य है महिमा तेरी... नारी को दुनिया गर्व से पुकारती...

डिम्पल, सहायक प्रोफेसर, यांत्रिकी अभियांत्रिकी

स्वाभाव

उस बच्चे के भी क्या छाब होंगे, जो दिन में मैस में काम करता है, जो लोगों को खाना परोसता है, जिनका झूठा खाना उठाता है, बर्तन साफ करता है, इतनी मेहनत से कुछ पैसे कमाता है, अपने माँ-बाप की खुशी के लिए अपनी खुशियों को नजरअंदाज कर देता है।

अभी तो बचपन के छाब देखना शुरू हुए। ज्यादा समय भी नहीं हुआ था, कि ना जाने उस पर इतनी जिम्मेदारियाँ कहाँ से आ गईं। कहाँ से वो मासूम इतन समझदार हो गया था। आज उसी मासूम पर फिर से नजर पड़ी मगर इस बार मैस में खाना परोसते या बर्तन धोते हुए नहीं, बल्कि प्रवाह की बी.जे. पार्टी में, जहाँ हर स्टूडेंट नाच रहा था, गा रहा था, हँस रहा था, मस्ती में डूबा था, वहाँ यह बच्चा भी शायद अपनी खुशी ढूँढ़ने आया था। इस नादान से चेहरे पर वो प्यारी सी मुस्कुराहट, वो सबके साथ नाचने की खुशी, अपने काम को भूल कर बस झूम उठने की खुशी, बहुत ही दिल को छू लेने वाली थी।

वहाँ बस एक ही वही था, जो दिल से नाच रहा था, जो दिल में था वही कर रहा था। न किसी का डर, न किसी का साथ, न किसी की फिकर। बस अकेले ही झूम रहा था। दिल खोल के खुशी से चिल्ला रहा था। भले ही बाकी लोगो को देख कर बहुत कुछ सीखने की कोशिश कर रहा था, मगर फिर भी दूसरों से अलग

था वो। बस अपने आप में ही मस्त था।

शायद वो बच्चा खुदा के कुछ अनमोल बुलों में से एक था।

इस दुनिया में लोग जम के मेहनत करते हैं, दिन रात काम करते हैं, पैसे कमाते हैं। मगर कहीं ना कहीं इन सब में वो अपनी खुशी खो बैठते हैं, जीना भूल जाते हैं, इस दुनिया के शोर गुल में दिल की आवाज नहीं सुन पाते। वे भीड़ में कहीं खो जाते हैं। मगर सच तो यह है कि जीना कोई इस बच्चे से सीखे, जो अपने काम से सिर्फ पैसे नहीं कमाता, मगर कमाता है तो ढेर सारी खुशियाँ, ढेर सारा पागलपन और जुनून जो उसे इस भीड़ से अलग कर देता है।

काश इस दुनिया का हर इंसान बच्चा बन जाये, तो यह दुनिया कितनी खूबसूरत हो जाये।

लोकेश कुमार दर्जी, तकनीकी सहायक, यांत्रिकी अभियांत्रिकी

नोटबंदी में शादी

सुना था कि शादी का लड्डू खाकर पड़ेगा पछताना,
मगर फिर मैंने शादी करने का दूँड लिया बहाना,
जैसे तैसे कन्या मिली और जैसे तैसे बात पक्की हुई,
अब तक राहुल गांधी सी चल रही मेरी जिंदगी भी लक्की हुई,
तैयारियाँ शुरू ही हुई थी कि नोटबंदी का फरमान आ गया,
सूखे बरगद जैसी मेरी जिंदगी में सावन से पहले पतझड़ हो गया,
शादी के बाद तो सब करते हैं जतन मगर यहाँ तो पहले ही व्याधि हुई,
बुरा फंसा मेरे दोस्त कि मेरी नोटबंदी में शादी हुई।।
पैसे लेने एटीएम पहुँचा तो एटीएम की लाईन सुरसा की तरह मुँह फाड़ रही थी,
लाईन में लगी हुई कुछ भावी दुल्हनें मुश्किल दौर में मुझ भावी दुल्हे को ताड़ रही थी,
शादी का कार्ड दिखाने के बाद भी लोगो को मेरे दुल्हा होने पर शक हो रहा था,
मैं पहला ऐसा दुल्हा था जो विदाई समारोह में फूट-फूट कर रो रहा था,
जैसे ही एटीएम के साक्षात दर्शन हुए पता लगा कि मशीन खराब हो गयी,
और एक बार फिर..... मेरे ख्यालों में पक रही केसरिया खीर भी जहरीली खराब हो गई,
मेरे लिए तो जैसे 1000-500 के नोटों की खल ही आबादी हुई,
बुरा फंसा मेरे दोस्त कि मेरी नोटबंदी में शादी हुई।।
हलवाई की दुकान भी वैष्णों माला के मन्दिर की तरह चढ़ रहा था,
शादी से पहले ही पैर भारी किए, लगा कि अस्पताल की तरफ बढ़ रहा था,
एडवांस की बात आने पर हमने पुरानी मुद्रा ही चलवाई,
सोचा.. मियाँ बीबी हो राजी तो क्या करेगा हलवाई,
हलवाई भी होशियार था कि खाना देखकर इन्सानियत पर भरोसा ना रहा,
बिना शक्कर के हलवा, और बिना नमक के समोसा, समोसा ना रहा,
बुरा फंसा मेरे दोस्त कि मेरी नोटबंदी में शादी हुई।।
जैसे ही घोड़ी चढ़ा तब तो मुझे मेरा ब्याह पक्का लगा,
मगर घोड़ी वाले ने की नेग की फरमाइश, तो एक बार फिर ख्वाइशों को धक्का लगा,
हर बैंड बाजे वाला बार बार नकद चढ़ावे के लिए, मेरे आगे नाच रहा था,
काले कपड़ों में बैंड मास्टर बहारों फूल बरसावों की जगह गरुड़ पुराण बाँध रहा था,
पटाखे वाला भी राकेट मेरी तरफ निशाना करके छोड़ रहा था,
अपने आप को दशरथ मांझी और मुझे पर्वत समझ कर फोड़ रहा था,
ढोल की आवाज भी गोली सी लग रही, बारात मेरी कश्मीर की वादी हुई,
बुरा फंसा मेरे दोस्त कि मेरी नोटबंदी में शादी हुई।।
बाराती उपहार के नाम पर नए लिफाफों में पुराने नोट धमा रहे थे,
अपने पाप मेरे सिर मढ़ कर फोकट में पुण्य कमा रहे थे,
हद तो विदाई में हुई जब जीजा और फूफा नेग के लिए सासूजी को ताक रहे थे
और सास ससुर मेरे हिलेरी ट्रम्प बनकर एक दूसरे को अन्ट शन्ट बक रहे थे
पिताजी का मुँह तो नगद कम मिलने से मुलायम सिंह की तरह फूल गया
और मैं शादी रूपी सत्ता मिलने की खुशी में अखिलेश की तरह सब भूल गया
इतने सितम सहकर तो मेरी हिलर जैसी सोच भी गांधीवादी हुई
बुरा फंसा मेरे दोस्त कि मेरी नोटबंदी में शादी हुई।।

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