

# THE SKIT TIMES

ANNUAL  
ISSUE  
2017

38



असतो मा सद्गमय

SWAMI KESHVANAND INSTITUTE  
OF TECHNOLOGY, MANAGEMENT  
& GRAMOTHAN



Area \_\_\_ Division \_\_\_ District 41, Toastmasters International

**FIRST PLACE**



for  
Date: \_\_\_/\_\_\_/\_\_\_



**WINNER**  
Area Level  
Evaluation Speech Cont  
2017



## 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.

## OUR MENTOR & PATH FINDER



**Swami Keshvanand Ji**  
(1883 - 1972)

## EDITOR-IN-CHIEF

Dr. Neha Purohit  
(Reader, Dept. of English)

## CO-EDITORS

Mr. I.B. Abrol  
(Reader, Dept. of English)

Dr. Lalit Gehlot  
(Reader, Dept. of English)

Ms. Maneesha Kaushik  
(Sr. Lecturer, Dept. of MBA)

Ms. Sheeba Anjum  
(Lecturer, Dept. of English)

## STUDENT EDITORS

Vishakha Bhandari  
IV B.Tech, Civil Engineering

Aakarshak Singh Jasrotia  
IV B.Tech, Information Technology

Tarvi Jhamb  
IV B.Tech, Computer Science

Raina Sood  
IV B.Tech, Electronics and Communication

Pooja Diwedi  
IV B.Tech, Information Technology

Dushyant Acharya  
III B.Tech, Mechanical Engineering

Vinayak Sharma  
III B.Tech, Electronics and Communication

Kriti Tuteja  
III B.Tech, Electronics and Communication

Meenal Sharma  
III B.Tech, Computer Science

Karan Bari  
III B.Tech, Electrical Engineering

Raja  
III B.Tech, Electrical Engineering

Ritwik Krishnatri  
II B.Tech, Information Technology

Kunal Adwani  
I B.Tech, Mechanical Engineering

Ayushi Ramdev  
I Year, MBA

Harshvardhan Sharma  
I Year, MBA

## PUBLISHER

Prof. (Dr.) S.L. Surana  
Director (Academics)

## SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY MANAGEMENT & GRAMOTHAN

Ramnagar, Jagatpura, Jaipur-17 (Raj.) India  
Tel.: 0141-2752165, 2752167 • Fax: 2759555  
Website: [www.skit.ac.in](http://www.skit.ac.in) • Email: [info@skit.ac.in](mailto:info@skit.ac.in)

## DISCLAIMER

The views expressed by the authors in the write-ups are their own. THE SKIT TIMES is in no way responsible for any liability arising out of the content of these.



# THE EDITOR SPEAKS



**EPISTLE :**  
A NOTE FROM THE MENTORS

**W**hich profession deserves the highest salary and why? This was the question that Manushi Chiller, Miss India and the new Miss World answered and won the prestigious title. Her answer that, a mother should be paid the highest amount of respect and love, was an amalgam of a strong emotional appeal and witty presence of mind. While she was duly praised for her immaculate reply, some people took the response with a grain of salt. It appeared offending to them to have a comparison between the noblest duty of a mother and a paid job.

Nevertheless, the entire episode did leave me wondering about the highest paid jobs in the world. According to the Forbes magazine (2017) the 10 top-notch job profiles around the world are of: a surgeon, psychiatrist, physician, corporate executive, dentist, petroleum engineer, an orthodontist, data scientist, an air traffic controller and a pharmacist. It is quite contrasting to the Indian scenario as, here in India, the highest paid jobs are of management professionals, investment bankers, IT and software engineers and so on (I rely on the internet for this information). Similarly, the situation is different from countries to continents.

Thus, the so called high profile jobs and the low profile jobs do not entertain a static stature. Ideally, all kinds of jobs make us learn the lessons of life. Every kind of job tells us to deal with different people and situations and hence, every job is special in its own way. The thing to remember is what Dhanin Chearavanont, Senior Chairman of an international brand postulates, 'we need to appreciate that the success we have today can be taken away tomorrow and that there are more capable people with better technology that we need to keep up with'.

Dr. Neha Purohit  
Editor-in-chief





## **EPISTLE: A NOTE FROM THE MENTORS**



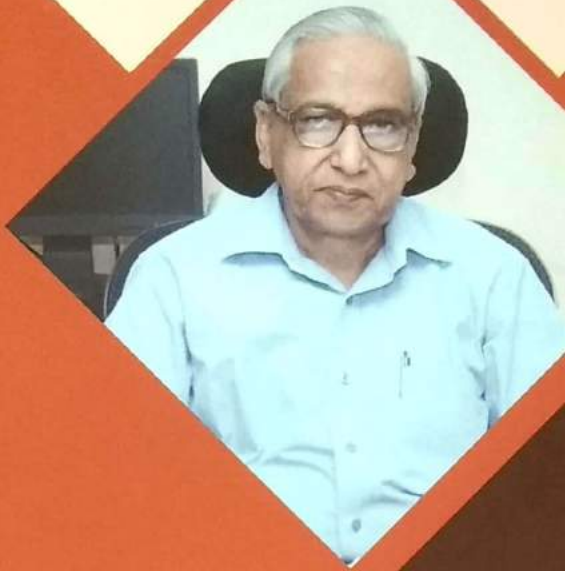
It gives me immense pleasure as I unveil the annual issue of THE SKIT TIMES. We have been blessed with a beautiful life by the heavens abode. Our lives have been destined on this earth to do some great deeds and identify our roles so as to serve humanity. Great people who have accomplished success in their lives have also gone through tremendous highs and at times lows and have conquered the quests of life. The courage that is shown when we stand against injustice, our strength of character and following the words of humble personas and helping others are the true measures of greatness. Self-training is also a great virtue because there are so many who think but don't act.

So with an optimistic energy, let us all stand together to rise high and achieve excellence in every endeavour whether it be academics, extracurricular activities or various fields of education.

I congratulate the editorial board of THE SKIT TIMES for their great efforts.

**Mr. Jaipal Meel**  
Director





## EPISTLE : A NOTE FROM THE MENTORS

It gives me immense pleasure to look at the timeless efforts of the editorial board. They are working so well to spread an atmosphere of literacy. The magazine itself is a shining star of the college. It is a bundle of pages reflecting the countless tasks and efforts put in by almost the whole college.

Education itself means awareness and hard work. I cannot think of any other piece of work more appropriate than our college magazine. It truly describes the life in our college that is successfully and beautifully woven together. The goal of life is to be a responsible and organized person. And all those who are connected with this magazine are successfully in line to achieve that goal.

Today, where we all are smothered by technology, I feel magazines play a very important role in our life. They not only make us the intellectual readers but also provide us with a totally different perspective to look at today's world.

A wise man once said reading is the safest and sanest addiction in the world. Come and be a part of this journey.

**Prof. (Dr.) S. L. Surana**  
Director Academics



## **EPISTLE: A NOTE FROM THE MENTORS**



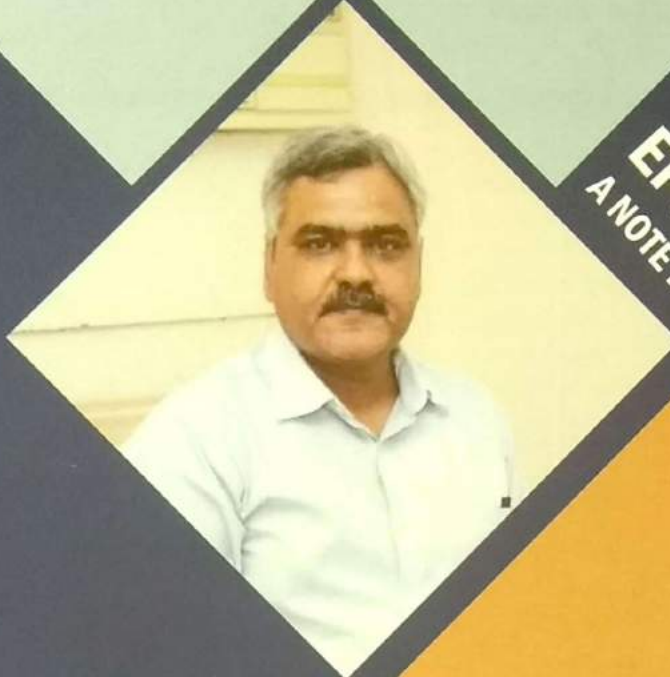
**T**he power of the written words comes from within the writer. The college has done everything it can to promote this beautiful skill of writing. The college's rise to eminence has been because of these efforts towards the extracurricular activities. The journey of this magazine has been a tumultuous one, but the path has always been clear. And it is the dynamism which the magazine has so incredibly captured since its inception.

Many students have grown and groomed under the shade of this magazine. This venture has been nothing but a success story for all the students. The SKIT times has helped a lot of students to shape their in-built talent into a master piece.

So let us join our hands together to achieve excellence in every endeavor be it education, research, consulting or training.

**Prof. (Dr.) Sudhir K. Calla**  
Director (D&W)





## EPISTLE : A NOTE FROM THE MENTORS

**S**uccess comes in the dictionary after toil but to achieve success we first have to toil and then success becomes ours.

The road leading to success is not an easy one, it is full of pitfalls. with an unvarying determination and courage, hardwork definitely pays off and success can be conquered.

Success comes to those who aim at it and with positive thinking and elevated spirits one can turn his/ her signature into an autograph. To carve the best out of each student through their impeccable talents, we at SKIT, leave no stone unturned to shape them into a perfect masterpiece.

The SKIT TIMES is not just a magazine but a stage where students share their vast knowledge with others.

I feel highly elated to present this annual issue of THE SKIT TIMES which is a complete book of hardwork and activities done all round the year.

Many congratulations to the editorial board of THE SKIT TIMES.

**Prof. Ramesh K. Pachar**  
Principal



# CONTENTS

## PROCLAMATION

a record of happenings at SKIT

Campus Recruitments.....	07
Pravah 2017.....	11

## NEWS FLASH.....14-18

Department of Computer Science and Information Technology.....	19
Department of Mechanical Engineering.....	22
Department of Electrical Engineering.....	28
Department of Electronics and Communication.....	30
Department of Civil Engineering.....	32
Department of Science and Humanities.....	36
Department of MBA.....	38
Research Papers Presented.....	44
Research Papers Published.....	49
Seminar/Conference/ Workshop Attended.....	51
M. Tech. Completed.....	52
<b>Cover Story.....</b>	<b>54-55</b>
<b>The View: Interviews by The Student Editor.....</b>	<b>56-57</b>
<b>Guest Column.....</b>	<b>58</b>

## TECH-KNACK

The Mind Speaks... ..	59-64
-----------------------	-------

## MELANGE

The Heart Speaks... ..	65-68
The Governing Council.....	69
Our Torch Bearers.....	70
Our Erudite Faculty and Committed Staff.....	71-73
Our Proud Culminations.....	74
Quick Quips.....	75
Poems.....	76-77
सृजन.....	78-79



14



17



22



28



35



54



57



59



67



# PROCLAMATION

A RECORD OF HAPPENINGS AT SKIT

## CAMPUS RECRUITMENTS

SKIT T&P Cell guarantees enhanced skills, right corporate exposure and wide learning. Hence it is a matter of umpteen satisfaction that our students under the guidance of Prof. M.L. Bhargava, Advisor, Mr. Neeraj Dhawan, Training and Placement Officer, Mr. Vineet Jain, Training and Placement Officer performed exceeding well during the following campus drives held throughout the year:

### B.TECH. 2017

COMPANY	SELECTIONS
Cognizant	80
Infosys	74
Capgemini	66
Pinnacle Infotech Solutions	34
Thrillophilia.com	20
Ericsson	20
Infogain India	13
Soctronics Technologies	07
Technoforte Software	05
Intime Tec	05
FACE	05
Polycab Wires	05
AppPerfect	05
Innoraft Solutions	04
Adnate IT Solutions	04
Qed42	04
Asahi India Glass	04
Decurtis	04
Sankalp Builder	04
Infoobjects	03
Appirio	03
CauseCode Technologies	02
Skilrock Technologies	02
JMC Projects (India)	02
TCS	02
Calsoft	02
BigStep Technologies	02
Moldedbits Technologies	01
Intecons Software Lab	01
11techsquare	01
IBM	01
Soilmec Foundation Equipments	01
Property Guardian	01
Appcino Technologies	01
India Shelter	01
BizViz Technologies	01
Ankur Lamps And Lighting	01
Orbital Electromech Engineering Projects	01
<b>Total</b>	<b>392</b>

(Till 10th May 2017)

### B.TECH. 2016

COMPANY	SELECTIONS
Cognizant	180
Infosys	137
Capgemini-iGATE	38
Aashish Group	28
Thrillophilia	17
Infogain India	15
Soctronics Technologies	10
AdarshPrime Group	09
ICICI Prudential Life Insurance	09
Pinnacle Infotech Solutions	09
Adani Power	08
R K Buildestate	08
Genus Power	07
Focus Academy for Career Enhancement (FACE)	06
Sankalp Builder	05
Teleperformance	05
Polycab Wires	04
Innoraft Solutions	04
TCS	04
AppPerfect	03
Tayana Software Solutions	03
Tega Industries	03
Shriram Transport Finance Company	03
Ericsson	02
Sanmax Technologies	02
Collabera Technologies	02
Pompeii Technologies	02
Tractors India	02
DRDO	01
Infostretch Solutions	01
Nagarro Software	01
Sanmax Inc	01
PortWeb Philippines	01
Skilrock Technologies	01
Mahindra & Mahindra	01
Captain Tractors	01
Adnate IT Solutions	01
<b>TOTAL</b>	<b>534</b>



# SOME OF OUR CAMPUS RECRUITED STUDENTS





# SOME OF OUR CAMPUS RECRUITED STUDENTS

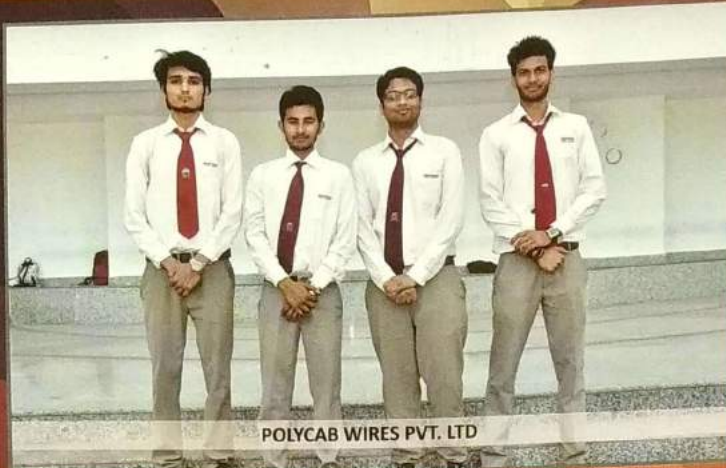




# SOME OF OUR CAMPUS RECRUITED STUDENTS



TCS



POLYCAB WIRES PVT. LTD



ADNATE IT SOLUTIONS



SANKALP BUILDER



BIGSTEP TECHNOLOGIES



DECURTIS





# PRAVAH 2017

Swami Keshvanand Institute of Technology, Management & Gramothan has a rich tradition of pursuing excellence and has continually re-invented itself in terms of academic programmes and research infrastructure. Students are exposed to challenging research-based academics and a host of sport, cultural and organizational activities on its vibrant campus. Similarly PRAVAH, an extravaganza, organized since the inception of the institute signifies the flow, the flow of ideas. The annual techno cultural festival is a three day spectacular entertainment marked by various activities, cultural performances and events that aim at providing a platform to the students to showcase their talent. PravaH 2017 with the theme 'URJA' began with a splendid display on 15 February 2017. The inaugural ceremony was held in the Gyan mandir auditorium and the campus was graced with the presence of the esteemed guest Shri B.L. Soni IPS 'Additional Director General of Police. In keeping with the tradition of India, lighting of the lamp marked the beginning of the ceremony and this was followed by a floral welcome of the guests accompanied by the welcome note delivered by the chairman Shri Surja Ram Ji Meel.

Dedicated to the celebration of creativity, individuality and innovation, the theme of this year was energy. Accordingly the inaugural function started with the great enthusiasm creating a stream of euphoria amongst all. The ceremony was followed by a conspicuous skit presented by students depicting political scenario of the nation. The protagonist created caricature of the political figures.

During the fest an array of events including technical, non technical, cultural, sports, literary events exhilarated the students. The Project expo was the major event where students demonstrated their technical skills and this exhibition was graced by the presence of Mr. V.K Jain Associate Professor, MNIT, Jaipur & Mr A.K. Jain Managing Director, REIL. The technical events saw the enormous response as the students of more than 50 colleges were participated in the events like Robowar, Brainmine, Lanhub. Non technical events like Tug of war, Auto Expo, Blossoms & "Rang" the art gallery has definitely mark the fun to the extreme level. Cultural events like Sur, Thirak, Clash of bands, Kavyanjali, Fashion show were so astounding that they are embedded in the memories of the audience.

*"Music is nourishment and a comforting elixir, music multiplies the beauty of life & all its values. The exhibition would leave a very lasting impression and it also triggers one's thinking towards many of the things which are subdued or in which one's attention wouldn't have been drawn."*

Keeping up the fervor in the mind to the all-time high, the third night saw the curtains falling over PRAVAH '17, as the crowd of SKIT danced to beats of "MH 43" & DJ Myris. The DJ show which was a visual treat that made the night an unforgettable one!

Literary and cultural activities prone a valuable lens to view the inner world of students and thereby enable their holistic development. The event was diligently organized. There was a soul to it. A soul that was vibrant, contagious and exuberant.

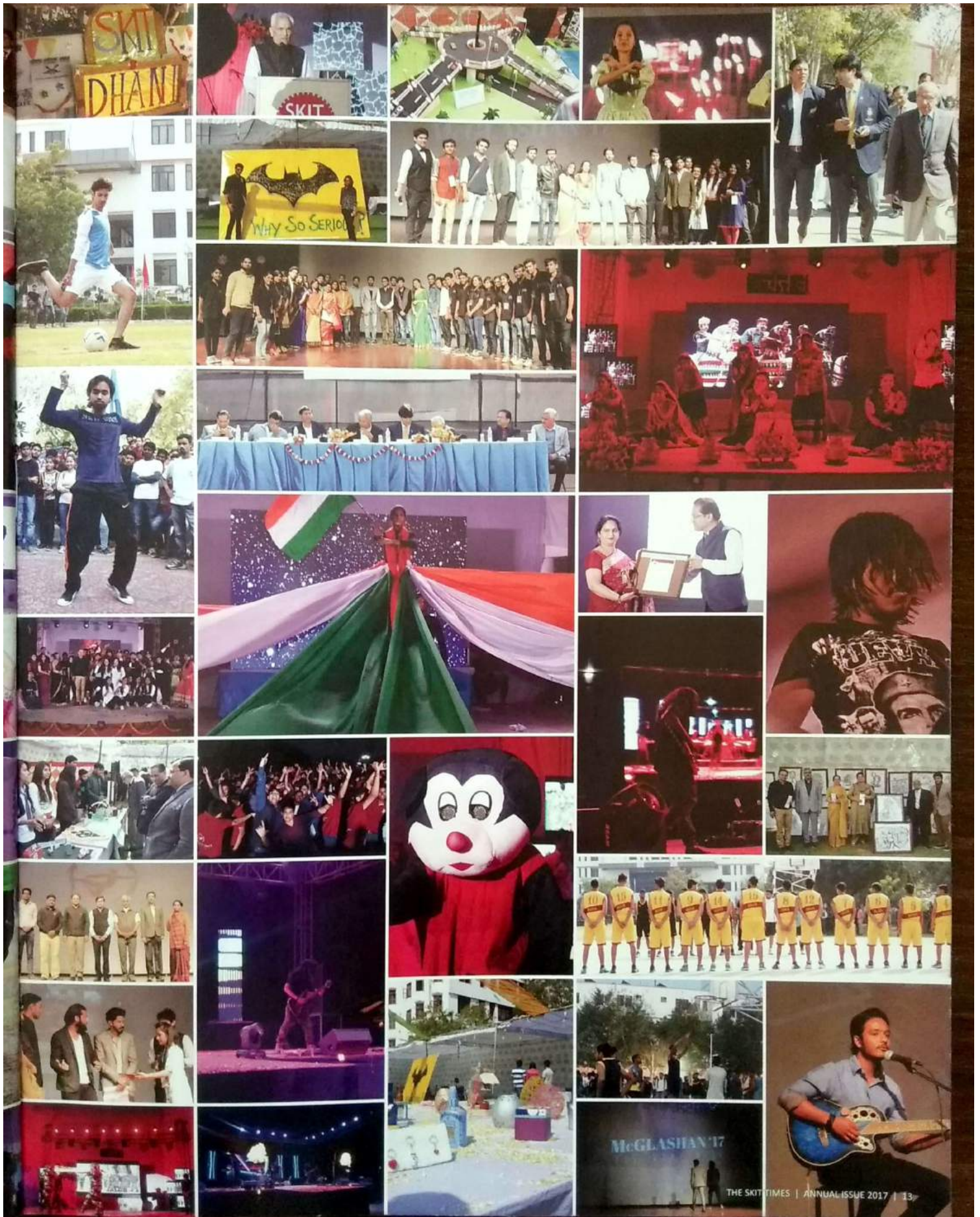






THE GREAT TIMES | ANNUAL ISSUE 2017







# NEWS FLASH

## ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS

The institute conducted its Orientation Programme, "Aagaaz" for the first year students on August 1st, 2016. As the students stepped in the college, they all were welcomed with vermillion and sweets. They sought blessings of Goddess Saraswati and proceeded to the registration counter which was set up by the college authorities in front of Sir M. Visvevarya Block, where students were allocated sections and were handed an information booklet.

The programme took place in the captivating grandeur of the Gyan Mandir Auditorium. To give an auspicious beginning to the program, all the honorable dignitaries performed the lamp lighting ceremony, which was followed by Saraswati Vandana. Soon the chief guest of the event, Shree Dhanpat Raj Dhariwal, Founder and CEO, vision 2025, joined everyone to grace the programme. He was given a warm welcome by Mr. Jaipal Meel, Director, SKIT and was honoured with a shawl and memento by Mr. Surja Ram Meel, chairman, SKIT. Shree Surja Ram Meel stepped up on the stage, to greet the audience and to inspire the students. His speech was followed by an inspiring note from Mr. Jaipal Meel which captivated everyone and



motivated the students to show their caliber in their upcoming four years. Then, a video was played to brief the audience with the grandeur of the institute. Prof. (Dr) S.L. Surana, (Director Academics) welcomed the new comers and emphasized the importance of regularity and hardwork. Professor Ramesh Kumar Pachar, Principal SKIT, covered all the important aspects of higher education that all students were about to begin. He ended his presentation by quoting, "Here we educate students not just to become good engineers but also to become good citizens." the chief guest of the event, Shree Dhanpat Raj Dhariwal enlightened the audience with his words of wisdom and motivated students to perform well in their upcoming years.

The cultural program included bhangra dance performance from one of the dance groups of the dance club of the institute, a western dance performance & a short play from the Docu.Drama Club of the college which left everyone spellbound. All students left college that day excited, waiting for the next day to come, so as to start their new life with complete enthusiasm.

## INDEPENDENCE DAY CELEBRATIONS

The patriotic fervour of the SKIT family essayed itself through the jubilant celebrations of the 70th Independence Day. The hues of saffron, white and green marked a willing dress code for a number of people present at the ceremony. The national flag was hoisted with much pride by the Chairman, Shri Surjaram Meel, Shri HCS Berry, the guest of the day, Shri Jaipal Meel, Prof. S.L Surana, Prof. S.K Calla, Mrs. Rachna Meel and Prof. N.K Banthiya. The exuberance of the cultural programme presented by the students filled the ambience with salutations to the martyrs of the country. The Chairman urged the students to uphold the right values and to be firm like the martyrs. He saluted the life of Mahatma Gandhi whose philosophy is still relevant in the present day. Dr.S.L Surana maintained that the day should be celebrated as a day of new learning and expanding one's vision about mapping goals. The honoured guest, Shri.HCS Berry recalled his interactions with the freedom fighters and implored the students to value the freedom we have achieved. Like every year, the institute acknowledged the contributions of faculty members in the field of research and academics. The faculty members who received certificate of appreciation were: Dr. Akash Saxena, Mr. Avdhes Sharma and Mohd. Imran (EE), Prof. Rohit Mukherjee and Prof. Amber Srivastava (Maths) and Mr. Praveen Jain and Ms. Rukhsar Zafar (ECE). The e-yantra certificates and cash prizes





worth Rs.6000 were awarded to Mr. Pallav Rawal and Ms. Vinita Agarwal (ECE) and Praveen Saraswat and Mr. Manoj Kumar Sain (ME). The next set of awards was presented to the winners of the RTU University Tournaments. This segment of the programme ended with the felicitation of Mr. Pradeep Sihag, Chief Warden, SKIT for his outstanding services for the improvement of the hostels. The ceremony ended with the distribution of sweets to all present.

## PROF. CVR MURTY'S VISIT

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur, witnessed an eventful day when Prof. C.V.R Murthy, Director, IIT Jodhpur delivered an awe inspiring talk on the topic 'Expect the unexpected'. Prof Murthy spread the aura of value based life skills. The revered speaker started with the very basics of a students' life i.e., the questions that often meander in a student's mind. The thematic focus of his speech predominantly focused the questions of career and aspirations of the students' life. He highlighted the value of acquiring knowledge and sharing it with the younger generations.

For Prof. Murty, the first twenty years of one's career should be devoted to learning the nuances of technology, manpower and money and the next twenty years be devoted to helping others learn them. He ended his talk with the glorifying words, "Your success should be so big that nobody can hold the edge of it". At the end Director SKIT Sh. Jaipal Meel, honoured the revered guest with a shawl and memento.

## PROF. G.R VERMA'S DISCOURSE

Prof. G.R Verma, Professor Emeritus, University of Rode Island, Kingston, U.S visited SKIT on 28th September and interacted with students and faculty members. Prof. Verma has been an exemplary academician, recipient of several fellowships form the universities of repute. He has guided several PhDs, published a large number of research papers and has also had the honour of being a consultant at NASA. In his discourse he talked about laws of Newton he also laid emphasis on the importance of critical thinking and enjoying one's studies.

## 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).

## NEW LAWN TENNIS COURT AT SKIT

It is believed that in order to become a successful person one needs to do hard work, but to become a good sportsman one needs to do much more than hard work. The institute has added yet another landmark in creating a constructive infrastructure for the all-round development of its students by introducing a spacious lawn tennis court in the campus. Every student who wants to learn and practice is welcome to join the training.



## HINDI PLAY: BAAP RE BAAP

After the successful and pleasant show of the play on road safety, 'Aropi Hazir Ho' last year, SKIT witnessed one more electrifying performance by the Rangsheersh Theatre Group. The group came up with a rib tickling comedy called 'Baap re Baap'. A satire in nature, the play showcased the degenerating relations within the family. The subtle witty remarks with acute humour kept the audience spell bound. Prof. Calla proposed the vote of thanks and congratulated the organizers for presenting such a wonderful show.







## CONSERVATION OF WATER RESOURCES: A SESSION BY MR. RAJENDRA SINGH

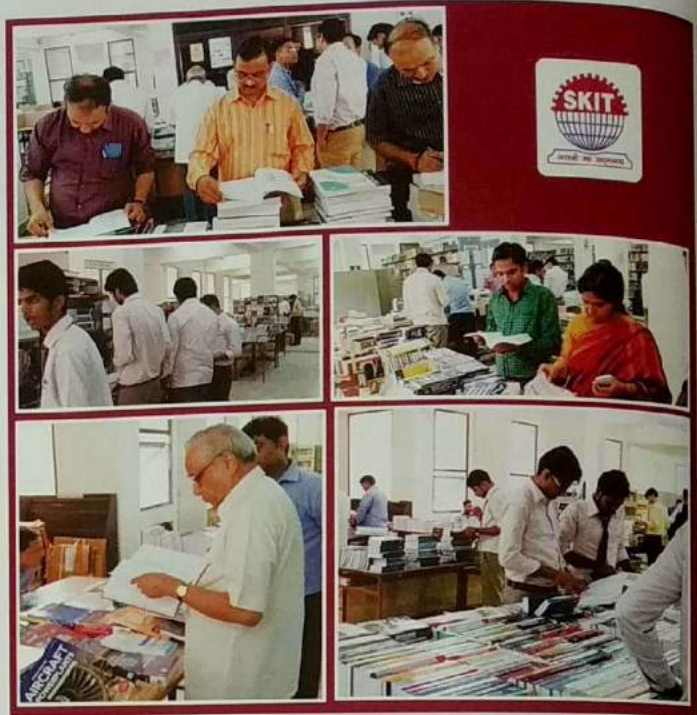
'Passion is the seed that grows into dynamic changes'. This is the opinion of the social activist, Mr. Rajendra Singh, popularly known as the 'Waterman of India'. Mr. Singh is the proud recipient of Raman Magsaysay Award and Stockholm Water Award for his unparalleled contribution to water conservation. The event named 'Innovative Ways and Techniques for conservation of Water' was jointly organized by the Department of Civil Engineering, Department of Chemistry and Chatra Sansad Club of SKIT in the month of August.

Mr. Singh spread the word of realizing one's accountability for nature and inspired the audience to strive hard for the noble mission. Mr. shared the memories of his struggles and exhorted the value of unending endeavours. He also envisioned that if serious measures are not taken in this direction, the III world war may take place for water. The event ended with the felicitation of Mr. Singh by the Chairman SKIT.

## 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.



## ANNUAL BOOK EXHIBITION AT THE CENTRAL LIBRARY

The Gyandan Resource Centre of SKIT organized the annual book exhibition for its students and faculty members. Many resourceful and prestigious publication houses partook in the event and displayed several books of myriad interests. Both faculty members and students showed great enthusiasm in acquiring books of their choice. The institute also availed this wonderful opportunity and added a plethora of new books to its significant collection.

## 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.





## BLOOD DONATION CAMP AT SKIT

*"If you are a blood donor you are a hero to someone somewhere, who received your gracious gift of life."*

Swami Keshvanand Institute of Technology, Management and Grammothan conducted yet another successful blood donation camp on Saturday 8th of October in collaboration with the Lion's Club and Rotary Club, Bapu Nagar and the college's own Youth Red Cross Club with the help of Sawai Mansingh Hospital, SantKobaDurlabhji Memorial Hospital, Jaipuria Hospital and Swasthya Kalyan Blood Bank. The Chairman, Shri Surja Ram Meel celebrated his enthusiasm with the students and highlighted the value of regular blood donation. Director, Mr. Jaipal Meel threw light on the history of blood donation camps at SKIT and congratulated everyone for being a part of this noble cause. Dr S.S. Chauhan, Director, Raj Aids Control Society, acknowledged SKIT's participation for the noble cause and further detailed the history of blood donation, the myths and facts regarding blood donation and its benefits. The camp was inaugurated by the divine lamp lighting. Mr A.K. Jain, M.D., REIL was invited as the chief guest of the event. He emphasised that blood donation is the greatest and noblest donation. He also cared to share the information that REIL also contributes to this cause and has set its target supply to a towering 90 lakhs this year. The day came to an end by an address by Dr S.K. Calla who heartily extended his gratitude to the doctors present, the hospitals, the Lion's Club, the Rotary Club Bapu Nagar and the Chief Guest, Dr A.K. Jain and Guest of Honour, Dr S.S. Chauhan.

## USER AWARENESS SESSION ON SCOPUS, SCIENCEDIRECT AND MENDELEY

On 12 April 2017, Elsevier organized an awareness session on Science Direct, Scopus and Mandeley 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.



## 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.



## 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".





# DEPARTMENT OF COMPUTER ENGINEERING

## 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 VidyutVitran 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 VidyutVitran 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 Patil 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.

## 6TH NATIONAL WORKSHOP

a two day workshop was organized on “Web Development-Spring MVC Approach” under the aegis of Computer Science & Engineering department on 14th-15th October, 2016. The chief guests Mr. Kulvaibhav Kaushik (Technology Lead) & Ms. Preeti Panwar (Sr. System Engineer) from Infosys Limited graced the workshop. Around 100 students participated in the workshop. The first day started with the inaugural ceremony where Prof. (Dr.) S.K Calla, Director (D&W), SKIT welcomed the participants and gave a short introduction about the theme of the workshop. Prof. (Dr.) Anil Chaudhary, (HOD, IT), SKIT, briefed the audience about the workshop and the associated conference (NCETCE-2016).

The inaugural ceremony ended with a vote of thanks by Prof. M.L Bhargava, (Advisor), SKIT, wherein he mentioned the accomplishments of SKIT in coordination with Infosys since 2004.

This was followed by a practical session in which the participants implemented their projects under the guidance of the guests. The program ended with the certification ceremony. The workshop was supported by its convenor Prof. (Dr.) C.M Chodhary (HOD, CS), SKIT & faculty coordinators Mr. M.K Beniwal (Reader), Mr. Pankaj Dadheech (Reader) & Mrs. Anjana Sangwan (Sr. Lecturer) from CSE department (NBA Accredited).

## 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

## 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.

## 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.

## 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.



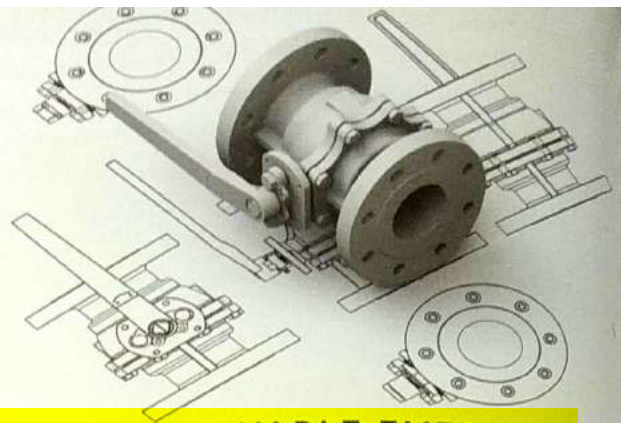
## 6TH NATIONAL WORKSHOP ON ANDROID APPLICATIONS

Swami Keshvanand Institute of Technology, Management & Gramothan organised a workshop on "Android Applications" under the aegis of Computer Science & Engineering department on 1st October, 2016. The chief guests Mr. Kapil Manchanda & Mr. Anuj Sharma glorified the workshop. More than 200 students participated in the workshop. The workshop was supported by faculty coordinator Mrs. Anjana Sangwan (Sr. Lecturer).





# DEPARTMENT OF MECHANICAL 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.

## 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.

## VISHWAKARMA POOJA



On the occasion of Vishwakarma Jayanti, a 'Pooja' was organised at the new Mechanical Workshop on September 17, 2016. Director (Academics) Dr. S. L. Surana, Director D&W, Dr. S. K. Calla, HOD-ME, Dr. N. K. Banthiya, Dean DMS Prof S. P. Garg, faculty members, staff and students participated in the pooja. Prasad was distributed after the pooja.





## STUDENTS SELECTED FOR HIGHER STUDIES



Three students of Mechanical Engineering 2015 batch have secured admission to MS Programs in USA. Mr. Jain Devesh and Mr. Anuj Rathi have joined the University of Michigan at Dearborn with scholarship of USD 3500 per semester and Mr. Uday Prem Prakash Mathur has joined the University of Washington at Seattle. Mr. Nikhil Swami of 2014 batch has joined MS in Engineering Management at George Washington University, Washington DC. Mr. Vidit Kataria of 2010 batch is pursuing an MBA program in the International Business at KEDGE Business School, France.

## LECTURE ON AUTOMOTIVE DESIGN AND REVERSE ENGINEERING

Mrs. Namrata Gagah, Product Manager CAE Technologies, Mumbai delivered a lecture on topic "Automotive Design and Reverse Engineering" for Mechanical Engineering students on September 9, 2016. In her lecture, Mrs. Gagah covered various aspects of Automotive Design, CAE, CAD, Reverse Engineering and Rapid Prototyping. The programme was very educative and beneficial for all students of Mechanical Engineering.

## FACULTY SEMINAR

The Department of Mechanical Engineering organizes regular seminars on every Friday by faculty members. These are coordinated by Mr. Dharmendra Hariyani, Reader-ME. The details of seminar presented so far in the current session are as follows:

- TOPIC : Free Vibration Analysis of FGPH Circular Plate by Using COMSOL4.2  
 Presented by : Mr. Trivendra Sharma, Lecturer-ME  
 Date : 12/08/16
- Topic : Bio-diesel as an Alternative Fuel for IC Engines  
 Presented by : Ms. Renu Sharma, Lecturer-ME  
 Date : 19/08/16
- Topic : Industrial Safety  
 Presented by : Mr. Madhukar Kumar, Lecturer-ME

- Date : 26/08/16  
 Topic : Introduction to Computational Fluid Dynamics with open FOAM  
 Presented by : Mr. Nikhil Sharma, Lecturer-ME  
 Date : 02/09/2016
- Topic : Tribo- Performance of Short Kevlar Fibre Reinforced Functionally Graded Material  
 Presented by : Dr. Vikash Gautam, Reader-ME  
 Date : 09/09/2016

## EXPERT LECTURE BY DR. AMAR PATNAIK

Dr. Amar Patnaik, Assistant Professor, Department of Mechanical Engineering, Malaviya National Institute of Technology, Jaipur visited our institute on 10th September, 2016 and delivered his expert lecture in the field of Material Science, especially composites and bio-materials. The program was held in Meghnad Seminar Hall. The Lecture was attended by the department's students and faculty members. Dr. Patnaik also explained the bio-materials used for the hip joint transplant.

## INDUCTION SESSION FOR III SEMESTER ME STUDENTS



An induction session for the III semester Mechanical Engineering students was organised on July 20, 2016. In this interactive session, the Head of the Department Dr. N. K. Banthiya and Deputy Head, Mr. Dheeraj Joshi, talked to students about the culture of the department. The students were motivated to follow the code of conduct of the department as well as to maintain the seventy five percent attendance criterion. Coordinators of ASME Student Section, SAI-INDIA Collegiate Club, Robotics Club and Renewable Energy Club introduced their clubs & presented the future plans of various activities in respective clubs.

## REVIEWER FOR CONFERENCE

Dr. N. K. Banthiya, Professor & Head of the Department of Mechanical Engineering has been invited by the Editorial Board of



the Fourth International Conference on Transformations in Engineering Education: Hyderabad for reviewing the papers submitted for the Conference. He has reviewed a number of papers for this conference.

## VISIT TO MSME CENTRAL WORKSHOP, JAIPUR

A local industrial visit to MSME, Central Workshop, 22-Godown, Jaipur was organized for V Semester Mechanical Engineering students. Students visited various machining centres including 3-D printing, CNC Drilling, CNC Milling and Material Testing. The visits were coordinated by Mr. Amit Kumar Bansal, Reader ME. The details of visits are as follows:



Section	Date of Visit	Faculty In charge
V Semester A	23 <sup>rd</sup> August, 2016	Mr. Amit Bansal, Mr. Madhukar Kumar
V Semester B	24 <sup>th</sup> August, 2016	Mr. Praveen Saraswat, Mr. Sanjay Bairwa
V Semester S	26 <sup>th</sup> August, 2016	Mr. Amit Bansal, Mr.Chandan Kumar

## MOTIVATIONAL TALK BY ER. SANVEER SINGH PURI

An invited talk and career motivational lecture for B.Tech. V Semester ME students was delivered by Er. Sanveer Singh Puri, an Alumnus of SKIT, and Production Manager, Hulikkal Electro Cycles India Pvt. Ltd. Coimbatore, on 28th August, 2016. During his presentation Er. Puri discussed about stress management & interview skills. The venue of the talk was Meghnad Saha Seminar Hall.

## 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.

## QUIZ COMPETITION ON INDIAN INDEPENDENCE BY ASME STUDENT SECTION

To commemorate the Indian independence, a quiz competition was organized by ASME Student Section on Wednesday, August 17, 2016. Six teams consisting of two members each participated in the quiz competition. Five teams were from students of different sections from the department and one team was from the faculty members of the department.

Dr. N. K Banthiya, HOD ME, was the quiz master. The event was coordinated by Mr. Manoj Kumar Sain, Reader ME and Mr. Arun Beniwal, Lecturer ME.

The top three teams were as follows:

### FIRST POSITION: ME III Semester-C

- Prakhara Sharma
- Prashant Chauhan

### SECOND POSITION: ME Faculty

- Suresh Choudhary
- Pramod Jain

### THIRD POSITION: ME VII Semester-A

- Amit Singh
- Neeraj Sharma

Autobiographies of freedom fighters and our great leaders were given to the winning and runner up teams. Gifts were also given to the audiences who had given correct answers. All faculty members and students of the Department of Mechanical Engineering attended the quiz.





## FACULTY ACHIEVEMENTS

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.

- **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 & 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



ase retune Set Top Box with the changed Paramet

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 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



# DEPARTMENT OF ELECTRICAL ENGINEERING

## 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.



## 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. Deepti Arela, Assistant Prof., Dept. Of Electrical Engineering.





## 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 Jai Narayan Vyas University, Jodhpur. The program started with the floral 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.

## 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:

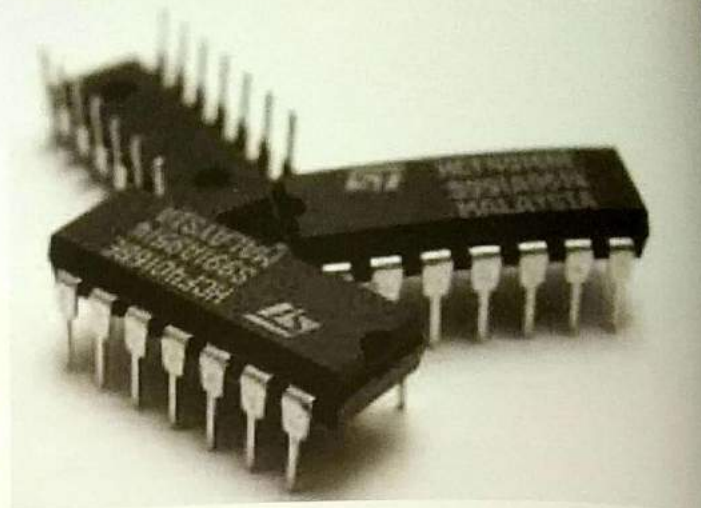
- Foundation of Industrial Automation
- Historic Evolution of PLC Business
- PLC: The Heart of Every Economy
- Marshalling Siemens PLC
- Ladder Logic Programming
- Hardware Recitations

## 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.



# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



## 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. Call (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 (Principal, 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. 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.

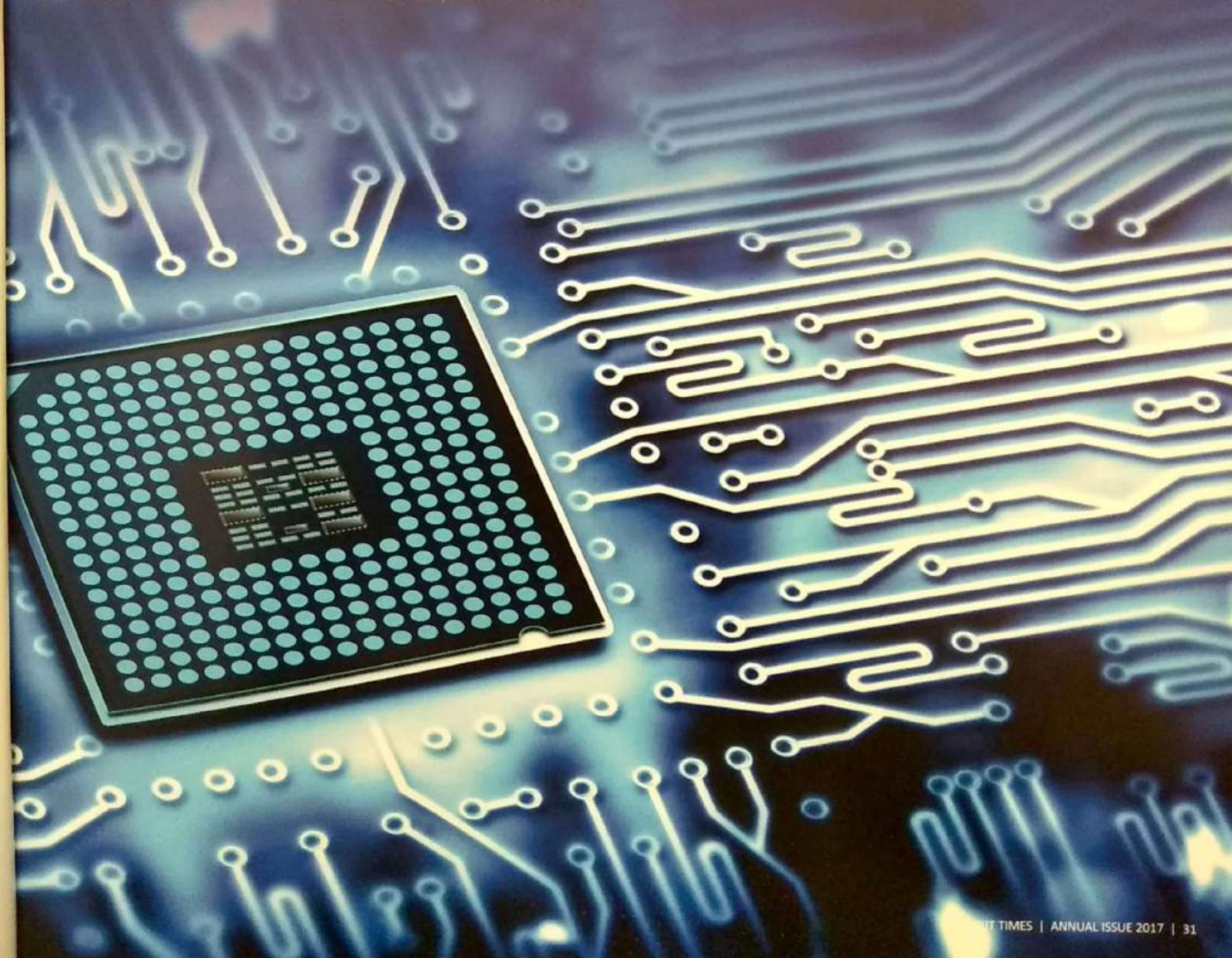
## WORKSHOP ON INTRODUCTION TO ROBOTICS AND EMBEDDED SYSTEMS

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.

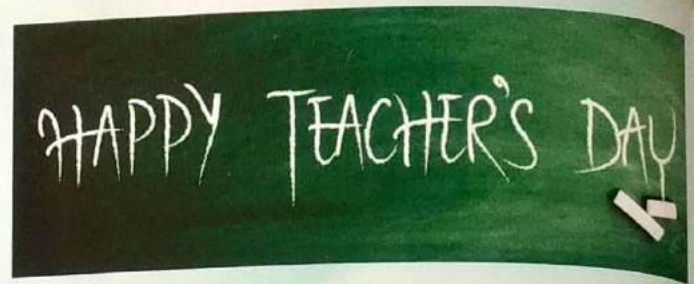




# DEPARTMENT OF CIVIL ENGINEERING

## TEACHER'S DAY CELEBRATION

The birthday of Dr. Sarvapalli Radhakrishnan, was celebrated in the Civil Department as teacher's day on 5th Sept, 2016. The performance of students on stage exclusively for teachers was a memorable one. Students from II and III year exhibited their talents as a treat to the teachers. Dance, music and skit made the day explicable. Following the cultural programme, games were conducted for the teachers by the students.



## REPORT ON EDUCATIONAL TOUR

As the population is increasing the demand of water is also increasing day by day. This demand cannot be fulfilled without



preserving/recharging the water sources. Mr. Rajendra Singh, popularly known as waterman, has been doing tremendous work under Tarun Bharat Sangh's initiative of water conservation for the past 30 years. To understand these techniques, the students of Civil Engineering department visited village Hamirpur and Bheekampura of Alwar district of Rajasthan on 6th September, 2016 along with Sh. Surja Ram Meel (Chairman), Dr. S.L. Surana (Director-Academics), Dr. S.K. Calla (Director- D & W), Dr. D. K. Sharma, Prof. (Dept. of CE), Amit Kumar, Asst. Professor. (Dept. of CE), and Manmohan Sharma, Asst. Professor (Dept. of CE),

Mr. Suresh, a representative of Tarun Bharat Sangh, explained about the various works carried out in Hamirpur village with the cooperation of the sarpanch Sh. Rudmal. He explained that the main objective of Tarun Bharat Sangh is to spread awareness among villagers about the importance of water conservation and the knowledge of water conservation techniques. They also motivate villagers to participate in large numbers for such noble work. Mr. Suresh explained on map about the various works carried out by the community in that region to recharge the ground water. Students visited two sites where one Pukka and one earthen construction were made for conservation of water.

After visiting the water conservation practices carried out in Hamirpur village, students reached the head office of Tarun Bharat Sangh at Bheekampura village. There the sangh runs a school named "Tarun Water School." Delegates from various parts of country visit this place to acquire knowledge about geological formation of the earth and to understand the techniques for water



conservation. Mr. Singh interacted with our team and explained how they constructed a diversion canal in the premises to recharge the ground water. Due to this, the water table of nearby area increased substantially.

Mr. Singh asked students to work for the benefit of the community. He emphasized on the easy technology so that its adoptability increases in society. He called young students to come forward and contribute in this field along with their studies.

## REPORT: 'AN EXPERT LECTURE ON UTILIZATION OF WASTE PLASTIC IN ROAD CONSTRUCTION'



The Student Chapter of Indian Concrete Institute at Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur successfully conducted an expert lecture on 'Utilization of Waste Plastic in Road Construction' on 14 September 2016 at J C Bose Seminar Hall. It was delivered by Dr. Rajan Choudhary, Associate Professor, IIT-Guwahati. The seminar was graced by the presence of Prof. L. N. Dutt (Head, CE), Prof. (Dr.) D. K. Sharma, Mr. Anirudh Mathur (Dy. Head, CE) and the faculty members of the department. The lecture was aimed to enlighten the students for utilization of industrial waste such as waste plastic for some specific use.

Dr. Rajan explained that rapid industrialization and large scale infrastructural development in India have resulted in huge scarcity of construction materials. Concerned about this, the researchers are looking for alternative materials for road construction. Various studies done till now have shown that waste tyre rubber, fly ash, slag, recycled concrete aggregates, waste plastic and waste glass can be effectively utilised as raw materials in flexible pavement construction. On the other hand, disposal issue of the municipal solid waste products is a big challenge. Open dumping; which is a common practice in India is adversely affecting environment and public health. He then told that laboratory studies have proved that waste plastic enhances the strength properties of the road mix.

Hence more studies needs to be carried out so that we utilize this non-biodegradable waste for the use of the society. At the end, a vote of thanks was given by Mr. Anirudh Mathur in which he advised the students to prepare micro projects and enhance their learning capabilities.

## INTERACTION WITH JAPANESE-CAPACITY DEVELOPMENT PROJECT FOR NON-REVENUE WATER (NRW) REDUCTION IN JAIPUR

The project aimed at the improvement of water supply services. The project activities were planned under the concept of capacity development (CD).

### PROJECT GOALS:

- To reduce the NRW ration in Jaipur

### PROJECT PURPOSE:

- To strengthen the capacity of PHED staff to reduce NRW in Jaipur

### TARGET AREA:

- Jaipur city, Rajasthan

### TARGET GROUP:

- Officers and staff of PHED (Public Health Engineering department) in Rajasthan.

### DURATION:

- September 2013- February 2017 (3.5 years)



Final year students of Civil Department with PHED and Japanese Engineers regarding their project at PHED office.

## SURVEY CAMP-2016

A survey camp which is a part of the curriculum was conducted for B.Tech V-semester) students from 14/10/2016 to 23/10/2016 at Chandwaji near Jaipur-Delhi (NH-8) highway. In the survey camp students learnt about the triangulation method. This year we added "Total station" as a centre point for the triangulation method. Students did triangulation survey of the area near Sevad Mata Temple in Chandawaji. Initially, they did a reconnaissance survey of the area to be surveyed. Then the stations were erected on different locations in the village. The intervisibility of all the stations was checked and a baseline was marked in front of the temple. The





students worked with the odolites observing horizontal and vertical angles and calculating distances with the help of the trigonometric formulae. A levelling exercise was also done with the help of the instrument auto-level. The students also performed a plan table exercise at a central station. At the end, the students were able to draw a triangulation map of the area surveyed. Apart from all the technical exercise, the students learnt team work, management skills and leadership skills.

## ENGINEER'S DAY CELEBRATION-2016



In the memory of Sir Vishveshwarya, who is popularly known as the father of engineers, engineer's day was celebrated by the student chapter of Indian concrete institute at our college. Mr K.K. Sharma (SE, RDPRD) was appointed as the chief guest of the function. He discussed the important prospects related to civil engineering, the role and opportunities in the field and the wide scope available in various branches related to the subject. The chief guest was overwhelmed by the presentation by Mr. Anirudh Mathur and encouraged the students to work in the area of rural development and use of pre fabricated structures. The ceremony was concluded with the felicitation of the winners of report writing competition, Tejasva Mudgal and Sulekha Jagarwar (3rd year, civil ). The vote of thanks was given by Mr LN Dutt (HOD, civil dept.). Overall the event was quite productive and informative for the students.

## 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.

## 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/m<sup>2</sup>. This competition was headed by Mr. Nishant Sachdeva (ICI Co-ordinator) and Mr. Kishan Lal Jain.

## 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).

## 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.

## 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.

## 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 & 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.



## CIVIL ENGINEERING INDUSTRIAL & EDUCATIONAL VISIT





# DEPARTMENT OF SCIENCES AND HUMANITIES

## 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. 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 language professionals. 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 '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 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.

## AWARDS FOR FACULTY MEMBERS

---

**Prof. R.K Jain (HOD, Department of Physics)** was felicitated at the 5th PRINCIPALS & TEACHERS AWARD -2016. This event celebrated the exceptional performance of the gurus who have no vested interest hidden but only an urge to educate, elevate and empower. Prof. was nominated for the award and received this award at Birla Auditorium on 3rd September, 2016.

**Ms. Neha Purohit (Reader, Department of English)** bagged the first prize at the inter-collegiate English extempore competition, conducted by the Institution of Engineers, India. The other participant colleges were Manipal University, GIT, Poornima College, Arya College & many more.

## CERTIFICATION FROM CAMBRIDGE

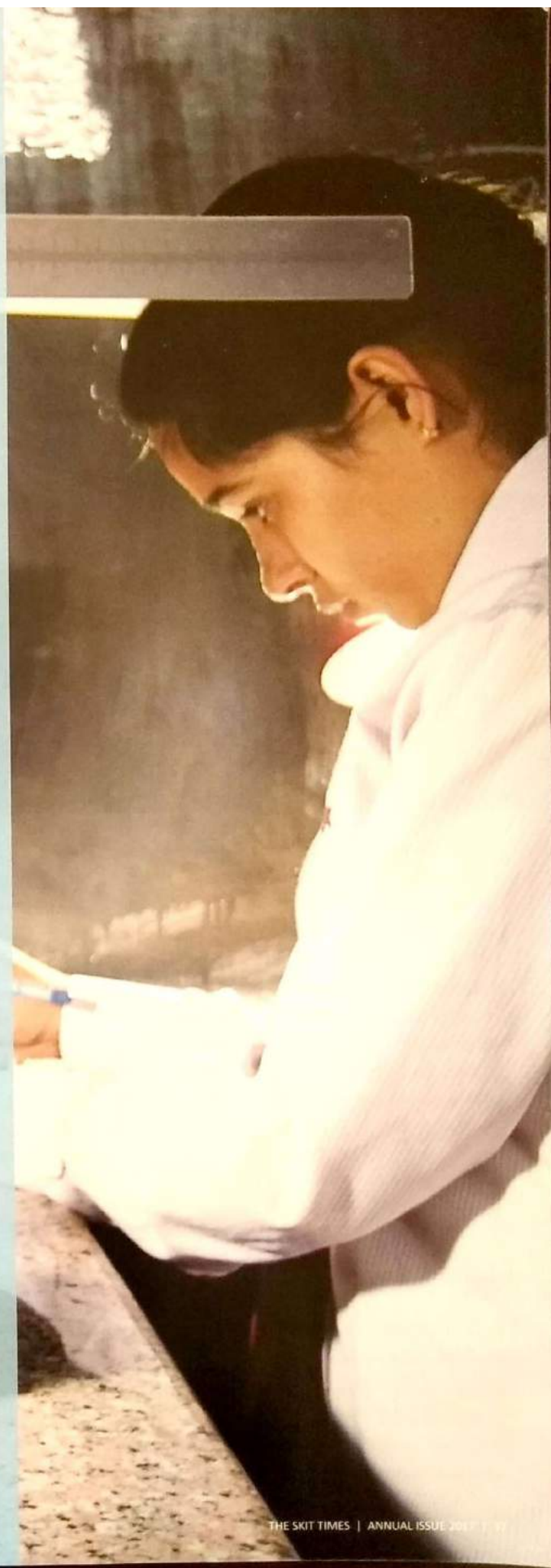
---

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 IIM, Jaipur.

## VISIT TO MARYLAND UNIVERSITY, COLLEGE PARK, USA

---

Dr. Meena, Associate Professor, Department of Chemistry, got an opportunity to visit the School of Public Policy, Maryland University, College Park, USA during 12th August 2016 to 19th August 2016. The University of Maryland, College Park is a public university that was founded in 1856. It has a total around 27000 UG students, 15000 PG students and 3000 faculties with a campus size of 1335 acres. The university has a great history including 3 Nobel Prize winners. There are more than 800 clubs & organizations in campus. School of Public policy is ranked among the top universities of USA. During her visit got to interact with eminent international figures/professors regarding sustainable development, international climate negotiations, climate target settings, energy technology transition in emerging economies and international climate policy. She met Prof. Anand Patwardhan who is member of steering committee of the programme of research on Vulnerability, Mr. Nathan Hultman, the director of the Center for Global Sustainability and Associate Professor at University of Maryland, Ambassador Pradeep Kapur, who is clinical professor in school of public policy, University of Maryland and Mr. Doug Besharov who was the First Director of US national Centre of Child Abuse & Neglect (75-79), Administrator of White House Seminar on integrated services for Children & Families.





# DEPARTMENT OF MANAGEMENT STUDIES

## SHUBHARAMBH: DEVELOPING FUTURE MANAGERS



Department of The Department of Management Studies, SKIT has come up with all the possible opportunities to fulfill the dreams of the management students. DMS, has manifested its potentiality and bench-marked itself to one of the top most B-schools of the northern India. Thus, to nurture the hidden talents of the new entrants, the department organized a three day orientation programme, "SHUBHARAMBH: Developing Future Managers" from August 11th - 13th 2016 at SKIT campus, for the budding managers of our country so that they get the comprehensive details of various management concepts and how to tackle the real-life situations associated with it. This programme also aimed at the development of the MBA graduates as individuals with a sense of responsibility and open-mindedness to new learning. The programme was coordinated by Dr Savita Choudhary and Maneesha Kaushik.

### WORKSHOP ON EFFECTIVE MANAGEMENT & WRITING SKILLS

A workshop on "Effective Management Writing Skills" was organized in the Kautilya Seminar Hall, DMS on 15th September, 2016. Welcome remarks were given by Ms. Maneesha Kaushik. The workshop was inaugurated by Prof. (Dr.) S. L. Surana, Director



(Academics), Prof. (Dr.) S. K. Calla, Director (D & W). Prof. S. P. Garg, Dean, DMS covered the theme thoughts. There were total 5 Sessions. The first session was covered by Prof. S. P. Garg on the topic "Techniques for Improving Writing Skills with Special Emphasis on Management Issues". The second session was covered by Prof. Dr. Vikas Shrotriya on the topic "Effective Writing in University Exams to Score Better Marks".

The third was covered by Ms. Maneesha Kaushik on the topic "Problem Solving Approach through Hands on Learning Activities". The fourth was conducted by Dr. Ona Ladiwal on the topic "A Quick Guide to Avoiding Common Writing Errors". The last session was the concluding session. The workshop improved the writing skills of participants & helped them shift from being an individual contributor to a skilled manager who can achieve team success & drive the bottom line performance.

### EFFECTIVE LEARNING FOR MANAGEMENT EDUCATION

A workshop on "Effective Learning for Management Education" was organized on 27 August, 2016. The initial remarks were presented by Dr. Vikas Shrotriya. Welcome Address was given by Prof. S. P. Garg, Dean, DMS.

The Inaugural Address was by Prof. (Dr.) S. L. Surana, Director (Acad. Words of Wisdom were given by Prof. (Dr.) S. K. Calla, Director (D & W), and Vote of Thanks was given by Mr. Atul Gupta. The workshop aimed at discussing various effective learning approaches for Management Education with Special Emphasis on Case Methodology. The final session was conducted by Prof. S. P. Garg, Dean, DMS on Problem Solving Approach through Situation Handling & Role Play Activities. The resource person for the workshop was Mr. Atul Gupta.

The workshop improved the foundation skills of participants and helped them to shift from being an individual contributor to a skilled manager who can achieve team success & drive the bottom line performance.



## WORKSHOP ON 'ENHANCE YOUR EMPLOYABILITY SKILLS (EYES)'

A two day workshop on "Enhance your Employability Skills (EYES) Phase-1" was organized in the Department of Management Studies on 6th & 7th October 2016. On the first day there were sessions related to introduction, presentation and writing skills. The second day was followed by Aptitude tests. It was coordinated by Prof. Vikas Shrotriya and Dr Savita Choudhary.

## 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.

## MENTORING SKILLS FINISHING SCHOOL CERTIFICATION

Ms. Maneesha Kaushik (Dept. of MBA) has completed the Mentoring Skills Finishing School Certification conducted by National Entrepreneurship Network. The programme aimed at developing India's next generation of entrepreneurs and to train Faculties across India to Mentor Students, Alumni and Startups towards building and entrepreneurial 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.

## 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.

## 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.



# 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 ICMAI). 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 Paresb 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, IIM). 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 Yaragatti, 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 & Mr. Atul Gupta.



## SEMINAR ON RIGHT TO INFORMATION (RTI) & LAUNCH OF BROCHURE OF A TWO – DAY NATIONAL CONFERENCE

A seminar on "Right To Information" was organized by the Department of Management Studies. Prof. S.P.Garg, Dean, DMS, highlighted that unlike other management institutes where only RTU model is being focused upon, SKIT focuses more on high quality education i.e overall development model like those at IIMs. He also focused on the student development programs that are organized regularly to help sharpen the skills of students as future managers.

Shri. Alok Kulshreshtha, TII who was one of the guest dignitaries gave his thoughts on the functional autonomy of SKIT. With regard to the seminar, he focused on youngsters who should be aware of their rights and duties so that they could contribute maximum in the development process of the country.

Shri.I.C Shrivastava, the National Chairman of TII, who is also an author of many books, gave a wide picture on what TII is. Talking about transparency, he emphasized on several acts based on the topic. A presentation was given by Shri. J.K.Sachdeva, Executive Member, TII and Shri. Alok Kulshreshtha, TII on RTI, 2005. They also had an interactive session with students where students were allowed to put forth queries on problems regarding RTI.

Later, another guest, Shri. G.S.Hora, Chairman, TII shared his thoughts and vision on the evolution of corruption starting from the days before independence to the present day. He also showed a different aspect of RTI where he highlighted the actual working of RTI and the matters that are still pending. In the prize distribution ceremony based on the quiz on RTI, the hard work of the participants was acknowledged in the form of cash prizes. A vote of thanks by Prof. Dr. S. K. Kalla, Director(D&W) marked the end of the seminar.



## 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 Shrotriya 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.

## 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.

## 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](http://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.

## 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.

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

On 27-29 March, 14 students of DMS, SKIT participated in the Inter Institute Activity Programme "MOSAIC-2017" at IIIM, 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.

## 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.

## 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 & waste management.

**LEARNING GIVES CREATIVITY  
CREATIVITY LEADS TO THINKING  
THINKING PROVIDES KNOWLEDGE  
KNOWLEDGE MAKES YOU GREAT.**

- A.P.J. Abdul Kalam



# PAPERS PRESENTED

**TITLE** : Myth and History in Contemporary Indian Novel: A Study of Shashi Tharoor's 'The Great Indian Novel'  
**AUTHOR/S** : Dr. Nidhi Sharma  
**CONFERENCE** : International Conference on Politics in Literature  
**DATE** : 27-28 May, 2016  
**VENUE** : BHU

**TITLE** : Resurrecting Subaltern History in Mahasweta Devi's 'Draupadi' : A Mythical Study in Translation  
**AUTHOR/S** : Dr. Nidhi Sharma  
**CONFERENCE** : International Conference on Poetry and Literature  
**DATE** : 14-15 October, 2016  
**VENUE** : Mohanlal Sukhadia University, Udaipur

**TITLE** : Ecopreneurship : A Foray into the Green Aspects of Business  
**AUTHOR/S** : Dr. Krishna Dayal Sharma  
**CONFERENCE** : National Conference on Strengthening Indian Economy and Business  
**DATE** : 18th November, 2016  
**VENUE** : SKIT, Jaipur

**TITLE** : Elegant Entrepreneurship: Opportunities & Challenges Faced By Women In Business  
**AUTHOR/S** : Dr. Nidhi Sharma  
**CONFERENCE** : National Conference on Strengthening Indian Economy and Business  
**DATE** : 18th November, 2016  
**VENUE** : SKIT, Jaipur

**TITLE** : Performance and Emission Characteristics of VCR Diesel Engine Fuelled by Diesel-Additives Blend  
**AUTHOR/S** : Chandan Kumar and Ashish Nayyar  
**CONFERENCE** : Renewable Energy Sources and Sustainable Development: Opportunities and Challenge  
**DATE** : 7 October, 2016  
**VENUE** : Dept. of ME, JECRC, Jaipur

**TITLE** : Transient Stability Enhancement of Rajasthan Power System Using SVC  
**AUTHOR/S** : Nutan Paliwal, M.P. Sharma, Sarfaraz Nawaz  
**CONFERENCE** : IEEE International Conference on Power Electronics, Intelligent Control Energy systems

**DATE** : 4-6 July, 2016  
**VENUE** : DTU, Delhi

**TITLE** : An Efficient Approach for Optimal Placement of DG unit in Radial Distribution System  
**AUTHOR/S** : Preeti, Sarfaraz Nawaz, and Ankush Tandon  
**CONFERENCE** : IEEE International Conference on Power Electronics, Intelligent Control & Energy systems  
**DATE** : 4-6 July, 2016  
**VENUE** : DTU, Delhi

**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-IIITM, 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 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** : ICONER-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 CO<sub>2</sub> 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 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** : MNNIT, 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/TiO<sub>2</sub>/Graphene Oxide (PANI/TiO<sub>2</sub>/GO) Nanocomposite

**AUTHOR** : Ajay Kumar Sharma, Dept. of Physics

**CONFERENCE** : 2nd International Conference on Soft Materials

**ORGANIZED BY:** MNIT, Jaipur

## RESEARCH PAPERS PUBLISHED

**TITLE** : On a Mathematical Model Involving I - function for Studying the Effect of Environmental Pollution

**AUTHOR/S** : Amber Srivastava & Rohit Mukherjee

**JOURNAL** : Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, Springer, November, 2016.

**TITLE** : Enhanced Phase Sensitivity in Plasmonic Refractive Index Sensor based on Slow Light

**AUTHOR/S** : Rukhsar Zafar, M. Salim

**JOURNAL** : IEEE Photonics Technology Letters, Volume: 28 Issue: 20

**TITLE** : An Antenna Array of Coplanar Monopole Antenna for RF Energy Harvesting Application

**AUTHOR/S** : Monika Mathur, Ankit Agarwal, Ghanshyam Singh, S.K Bhatnagar

**JOURNAL** : International Conference on Advances in Information Communication Technology & Computing by ACM journal

**TITLE** : A Planer 2G/3G/LTE/WWAN/WiMAX Antenna for Tablet Computer

**AUTHOR/S** : Akshay Pratap Singh, Ankit Agarwal

**JOURNAL** : IEEE International conference on Reliability, Infocom Technologies & Optimization (ICRITO 2016)

**TITLE** : Neural Network Design by Taguchi Method

**AUTHOR/S** : Akash Saxena, Deepak Saini & Shalini Shekhawat

**JOURNAL** : SKIT Research Journal, An International Journal of Engineering, Science, Humanities & Management, Vol.6 no.2, pp 15-21,Oct. 2016.

**TITLE** : Case study of NH- From Gotiya to Salasar, Rajasthan

**AUTHOR/S** : Prof. D.K.Sharma & Neha Shrivastava

**JOURNAL** : SKIT Research Journal Vol.6 no.2, October 2016

**TITLE** : C3-Dimensional Virtual Modelling of Human Femur Bone with Prosthetic Plate and Screws

**AUTHOR/S** : Ajay Dhanopia, Sr. Lecturer-ME

**JOURNAL** : International Journal of Advanced Engineering, Management and Science (IJAEMS), Vol. 2, Issue-9, September, 2016.

**TITLE** : Selection of Suitable Biomaterial for Prosthetic-Plate using Multi Criteria Decision Analysis

**AUTHOR/S** : Ajay Dhanopia, Sr. Lecturer-ME

**JOURNAL** : International Journal of Advanced Engineering, Management and Science (IJAEMS), Vol. 2, Issue-9, September, 2016.

**TITLE** : Finite Element Analysis of Human Fractured Femur Bone Implant with Prosthetic Plate & Screws

**AUTHOR/S** : Ajay Dhanopia, Sr. Lecturer-ME

**JOURNAL** : Elsevier Procedia Engineering, Implast, Oct., 2016

**TITLE** : Multi Response Optimization of Turning Parameters using Grey Relational Analysis in the Taguchi Methodology

**AUTHOR/S** : Mr. Sunil Kumar, Mr. Chandramohan Kumar, Mr. Suman Anand, Lecturer-ME

**JOURNAL** : International Journal of Science, Technology & Engineering (IJSTE), Vol. 3, Issue 3, Oct., 2016

**TITLE** : Analysing the Process Capability for an Auto Manual Transmission Base Plate Manufacturing

**AUTHOR/S** : Mr. Manoj Kumar Sain, Reader-ME, Mr. Manish Yadav, M. Tech. Student

**JOURNAL** : International Journal of Managing Value and Supply Chains, Vol. 7, No. 3, September 2016

**TITLE** : Sesmum Indicum Oil as a Potential Inhibitor for the Corrosion of Copper in Acidic Environment

**AUTHOR/S** : Dr Anurag Sharma, Dr. Anil Kumar Varshney, Dr. Sarita Varshney

**JOURNAL** : Oriental Journal of Chemistry Vol.-32, No(5), 2016.

**TITLE** : Anjana Appachan's Bahu: A 'New' Bahu

**AUTHOR/S** : Dr. Krishna Dayal Sharma

**JOURNAL** : SKIT Research Journal, An International Journal of Engineering, Science, Humanities & Management, Vol.6 no.2 ,pp 15-21,October 2016.

**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



- AUTHOR** : Forecasting  
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 Singh, S. K. Bhatnagar, Dept. of ECE
- JOURNAL** : 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
- 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 Goyal, Dept. of ME
- JOURNAL** : 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

**TITLE** : FDP on Digital Hardware Design & FPGA Implementation  
**ATTENDED BY** : Pooja Choudhary, Manju Choudhary, Nivedita Chauhan, Swati Arora, Mamta Jain, Vikas Pathak, Shubhi Jain  
**CONFERENCE** : DIETY, organized by E & ICT Academy MNIT Jaipur  
**DATE** : Sept 3-16, 2016  
**VENUE** : MNIT Jaipur

**TITLE** : R.K Memorial Lecture on 'Revisiting Sita' by Prof. Malashree Lal  
**ATTENDED BY** : I.B Abrol and Dr. Nidhi Sharma  
**CONFERENCE** : R.K Memorial Lecture  
**DATE** : 10 Sept, 2016  
**VENUE** : University of Rajasthan  
**TITLE** : Cracking the myths & realities of green buildings  
**ATTENDED BY** : Mr. Jitendra Babulal Jangid  
**CONFERENCE** : Indian Green Building Council & CII

**TITLE** : National conference on Smart & Green Liveable Cities.  
**ATTENDED BY** : Mr. Ankit Sharma  
**VENUE** : Dept of Local Self Government, Jaipur

**TITLE** : Fast-Tracking Road Safety Initiative in Rajasthan  
**ATTENDED BY** : Mr. Anirudh Mathur, Mr. Nishant Sachdeva  
**CONFERENCE** : International road federation & Muskan NGO

**TITLE** : Smart and Green Liveable Cities and 7th Infra Conclave Rajasthan  
**ATTENDED BY** : Yogesh Sharma, Lecturer-ME  
**CONFERENCE** : CII, Rajasthan and Government of Rajasthan  
**DATE** : September 02, 2016  
**VENUE** : SMS Auditorium, Jaipur

**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

## CONFERENCES/ SEMINARS/ WORKSHOPS/FDPS ATTENDED

**TITLE** : FDP on Digital CMOS Devices and Circuits,  
**ATTENDED BY** : P. K. Jain, Pooja Choudhary, Nivedita Chauhan, and Vikas Pathak  
**CONFERENCE** : DIETY, organized by E & ICT Academy  
**DATE** : Sept 17-21, 2016  
**VENUE** : MNIT Jaipur



**ATTENDED BY** : Transport and Highways.  
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, Astd. 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, Astd. 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, Astd. 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, Astd. 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, Astd. 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

## M. TECH. COMPLETED

### DEPARTMENT OF MECHANICAL ENGINEERING (THERMAL ENGINEERING)

**CANDIDATE** : Nitin Goyal

**DISSERTATION TOPIC** : Experimental Investigation of the Performance Emission of Diesel Engine fuelled with n-Butanol Diesel Blends

**GUIDED BY** : Mr. Ashish Nayyar

**CANDIDATE** : Mr. Thakor Keyur

**DISSERTATION TOPIC** : Effect of Various Absorbing Materials on Performance of Single Basin Single Slope Solar Still

**GUIDED BY** : Mr. Ashish Nayyar and Mr. Manoj Kumar Sain

### DEPARTMENT OF ELECTRICAL ENGINEERING (POWER SYSTEM)

**CANDIDATE** : Ms. Nikita Mittal

**DISSERTATION TOPIC** : Application of Neural Network and Statistical Methods for Short Term Electricity Load Forecasting

**GUIDED BY** : Dr. Akash Saxena

### DEPARTMENT OF COMPUTER SCIENCE

**CANDIDATE** : Ms. Priyanka Sharma (Ass. Prof., CS,SKIT)



#### DEPARTMENT OF MECHANICAL ENGINEERING (THERMAL ENGINEERING)

**CANDIDATE** : Nitin Goyal  
**DISSERTATION TOPIC** : Experimental Investigation of the Performance Emission of Diesel Engine fuelled with n-Butanol Diesel Blends  
**GUIDED BY** : Mr. Ashish Nayyar

**CANDIDATE** : Mr. Thakor Keyur  
**DISSERTATION TOPIC** : Effect of Various Absorbing Materials on Performance of Single Basin Single Slope Solar Still  
**GUIDED BY** : Mr. Ashish Nayyar and Mr. Manoj Kumar Sain

#### DEPARTMENT OF ELECTRICAL ENGINEERING (POWER SYSTEM)

**CANDIDATE** : Ms. Nikita Mittal  
**DISSERTATION TOPIC** : Application of Neural Network and Statistical Methods for Short Term Electricity Load Forecasting  
**GUIDED BY** : Dr. Akash Saxena

#### DEPARTMENT OF COMPUTER SCIENCE

**CANDIDATE** : Ms. Priyanka Sharma (Ass. Prof., CS,SKIT)  
**DISSERTATION TOPIC** : Efficient Density Based Clustering Using Automatic Parameter Determination Approach

#### DEPARTMENT OF ELECTRONICS ENGINEERING

**CANDIDATE** : Sashikant Ray  
**GUIDED BY** : Ms. Kiran Rathi and Mr. Ankit Agarwal

**CANDIDATE** : Ranjana Kumawat  
**GUIDED BY** : Ms. Kiran Rathi

**CANDIDATE** : Surbhi Yadav  
**GUIDED BY** : Mr. J. P. Vijay

**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)

## 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

## 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.

**if  
the plan  
doesn't work,  
change the  
plan  
but never  
the  
goal**



# COVER STORY

## SKIT TOASTMASTERS CLUB: FROM PAST SIMPLE TO FUTURE PERFECT

Throughout the years of adolescence, when we are at our most vulnerable state, when we are still struggling to define our future and to reconcile ourselves to the adult world, there are a few strengths that stand by us and help us through our moments of uncertainty. And when the struggle to discover my identity surrounded, I was driven by Toastmasters International to the righteous path, the path of desires with sparks of becoming a good communicator and a leader.

SKIT Toastmasters Club is one among many toastmasters clubs but a unique one. SKIT Toastmasters is not just a club, rather it is a journey of turning a naïve into experienced, a calculator of converting nervousness into confidence, a pen writing thoughts into a blank mind, a place converging the divergent thoughts and cultures. Like others, my journey of SKIT is memorable due to SKIT Toastmasters Club. The first time the name flashed into my eyes and I stepped into the meeting room it appeared as a magical land to me where positivity, good thoughts, flowery words and





confidence were floating around. In my first impression, the speakers were the legendary magicians and their grandiloquent speeches were the magic that pleased my eyes and sufficed my ears. The appreciation and enthusiasm enveloping the room were the food for these magicians to grow. I wanted to become like them but all my heart said was "it's rather too difficult to be like them when I am afraid to even speak a word on stage".

One step I took by attending the club meetings and the rest of the steps were taken by Toastmasters in shaping my personality from a naïve girl to that of a confident lady. SKIT Toastmasters club to me was like a mother away from home. When I gave my ice breaker I had quite an aahs and errors but just like a mother it accepted me and nurtured me so well that soon in my ninth speech I was coined as nightingale of my club. Each time I received accolades for my performance, made me believe in myself and helped me climb towards the peak of my dreams. Soon it broke my cocoon of dithers and made me an assured speaker by magnifying communication skills, enhanced personality and amplifying self confidence.

I remember the day when Ma'am Bafna asked me to be a test speaker at VIT club. I was startled and nervous at first but she showed faith in me and said that it would be fine. I gave speech and stood first as the test speaker. Though it wasn't a big achievement but people appreciated me and that is what injected the cakes of happiness in me. That day was a turning point for me when I started believing, 'yes I can definitely become a good speaker', that day opened a lot more doors for me.

Whether it was hosting the Annual day 2017, being a part of Pravah 2k16, or doing a play, everything for me was a gift of SKIT Toastmasters club. The confidence it sprinkled in my heart and the ardour it spangled in my mind made me a confident bird. Here I learned that to win a race of goals and dreams one needs to compare and compete, not with others but one's own self. Therefore, each day I challenged myself to acquire some new instance new style which wasn't already present. And I grasped these improvements by observing and learning from the skill-set of other toastmasters. And these observations served me an even more delightful style of speaking. Toastmasters club always bridged the gap between reality and the desire of becoming a good orator. Like a mirror it unleashed my potential, like Shakespeare it colored my imagination, every time I performed it evaluated me, appreciated me and gave me suggestions to become better than yesterday.

The sailors of this ship: Prof. M.L. Bhargav, Prof. Pramila Bafna, DTM Vineet Jain and Dr. Neha Purohit have always enlightened our lives with their experiences and teachings. These mentors have always



been a family to us, who celebrated our success, motivated us in times of failure, shared our sorrows and counseled our troubles. In fact each and every member of this club had taught a lot of things to each one of us, they added a different shade and tone of determination, motivation, probity and devotion to our character. All of them who in one way or another, played a part in the shaping of who we are and who we are yet to be. Every meeting with these people came with a new learning full of sanctified thoughts and prosperous knowledge. Not only it enhanced our communication skills and personality but played a major role in shaping our morals.

This club has made us a leader but first it made us a good listener, it gave us a lot of praise but first it taught us to praise others, it helped us in every way and taught us to help others. Just like a jeweler it molded us into a piece with the luster of a good communicator. When we look back and recall where we stood we see a mountainous difference in how we used to speak, used to think and how we used to face our hindrances.

Development which it blended in proper proportion with generosity, leadership, dedication and good language will always be reflected from whatever work we do and wherever we go. SKIT Toastmasters club is the best thing that has happened to us and the prefix 'toastmaster' will always shine bright from our personality.

The crown with all the jewels of good things it gave will never fall, but will only grow big. Toastmasters will always be the guiding force in our lives even when we have passed through the portals of our college and will step into the world that lies ahead to be conquered. No matter now we will be far away but to reconnect it will just take call anyway!

---

Shailja Maheshwari  
Alumna- 2012 batch

---



# An Interview with Mr. Supranational - Jitesh Thakur, an SKIT alumnus

THE VIEW: INTERVIEWS  
BY THE STUDENT EDITOR

SKIT witnessed the story of its own creation, who did what he wanted to do, who had the courage to follow his dreams. He was the finalist of India's Biggest Men's Pageant Mr. India contest 2015. He was among the top 15 most desirable men of India and won the Subtitle of Mr. Photogenic, India. Recently, he bagged the title of Mr. Supranational 2016 2nd runner up. And most importantly, he is our senior, a graduate from the 2010 batch of SKIT.

Mr. Jitesh Thakur visited his alma mater and inspired everyone with his ambitious zeal and hardships faced. A talk show was held for him where he was honored and asked a lot of questions about the modeling world. Aakarshak Singh Jasrotia interviewed him before the entire SKIT family.

**Aakarshak:** *How do you feel coming to college.*

**Jitesh:** It's been almost a decade. I feel very nostalgic and elated that students are welcoming me and teachers are praising me for this. There is no bigger tribute than your teachers recognizing you.

**Aakarshak:** *Please share with us some of your memories related with this college?*

**Jitesh:** Well, there are a lot of memories related to this college. I would like to share the one when we tried to host a fashion show. That was the first time that such a thing was going to happen. A lot of midnight oil was burnt but in the end the show was a huge success. That's the memory which I always cherish.

**Aakarshak:** *What kind of a student were you?*

**Jitesh:** I was really not a bright student, academically. But yes, I was into all the extra-curricular stuff. And I really wanted to make a difference while in college and I did by hosting that fashion show for the first time ever.

**Aakarshak:** *From your profile I can make out that you were an active participant in Pravah, our annual cultural fest?*

**Jitesh:** Yes I was an active participant. In first year I was in a dance group. Then that didn't work well. So I went backstage and thought of creating something of my own. It never really

bothered me that I am not good at something. As soon as I realized that I am not fit for something, I tried something else instead of sitting idle and demoralized. And that quality developed only through my participation in extra-curricular.

**Aakarshak:** *When did you realize that you wanted to build a career in modelling?*

**Jitesh:** I always had this voice at the back of my head. But I never really thought it through. First I wanted to secure my career. So I got a bachelor's degree. After college when everybody was joining MNCs, I also joined one. There I worked for a while. Then working there I realized that this is not what is making me happy. I am glad I gave that job a chance. Then only I was able to make a right decision.

**Aakarshak:** *So how did things start taking shape?*

**Jitesh:** After quitting my job, I joined the gym. There I became so obsessed with it that started giving myself challenges for workout. Then I went to Mumbai and did a photoshoot, sent it out everywhere and finally got a call from an agency. It did not happen overnight. There are many sleepless nights, working hands behind my success.

**Aakarshak:** *What was your parents' reaction?*

**Jitesh:** My parents were very supportive of me especially my father. See I had done everything to make my future secure. I was not a teenage boy carried away by the fascination of Bollywood. I was an adult who had taken a decision in the light of thorough thinking.

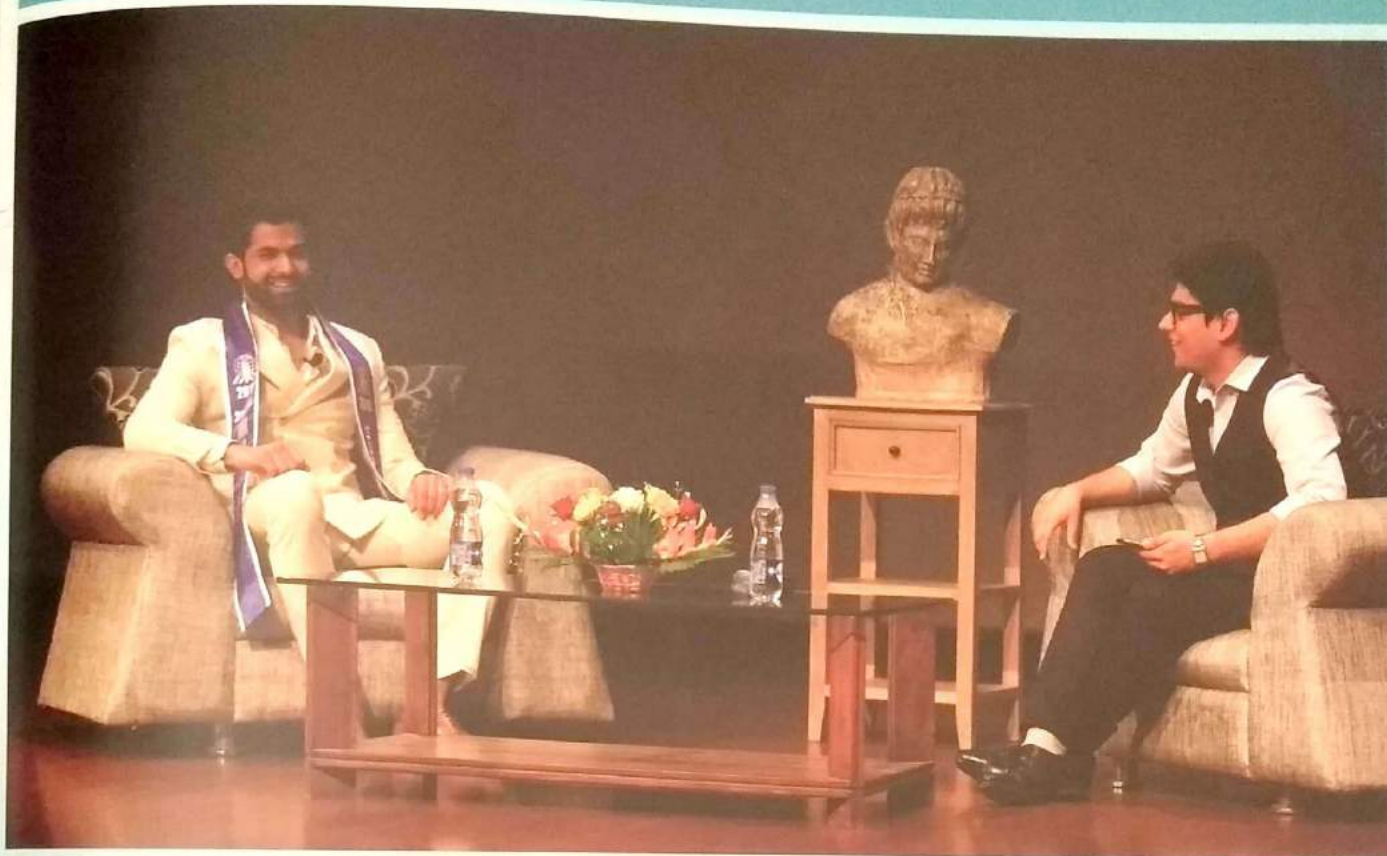
**Aakarshak:** *What were your struggles to pursue your dream?*

**Jitesh:** There were a lot of struggles. Now I am not going to bore you with all my hardships. But yes, I do want to tell everyone present here that success doesn't come to you, you go to it. And the path is never a smooth one. If it was then everybody in this world would be successful.

**Aakarshak:** *As an outsider I've heard a lot about the fashion industry? Are the rumors actually true? I mean, is it really that hard to survive in the so called dog-eat dog industry?*

**Jitesh:** No, it's not that hard to survive. Yes, I agree that one has to be on the toes all the time to get all the good opportunities. But, I think, that is the case with every field. These are actually some of





the perks of being in a fashion industry. You get smart and fast because of the environment.

**Aakarshak:** *Is it necessary to have a fashion statement or opinion of your own? I mean would it be okay to emulate or imitate someone else's style. I mean did you really know about the couture, the fall collections of Givenchy, Louis Vuitton, Karl Lagerfeld?*

**Jitesh:** Well, yes I do agree there should be a signature style of a person. That only will distinguish you from everyone else. My style is formal suits which I love to wear anytime anywhere.

**Aakarshak:** *Who/ what would you rather?*

- A fashion show by Karl Lagerfeld or a movie by Sanjay Leela Bhansali  
I love Sanjay Leela Bhansali.
- Jaipur or Bombay  
That is tough but I would say Bombay because that is where my future is supposed to be.
- Party all night or a quiet dinner at a fancy restaurant  
I am a quiet person. I don't like the hush and bust.

- Engineering or modelling  
I would have to say modelling.
- Gym or dal baati churma  
It is really hard. I can't choose between the two.
- Money or glamour  
Glamour, because that will help me make money.
- Stage fear or exam fear which is worse?  
Exam fear definitely. The RTU nightmares still haunt me.

**Aakarshak:** *Who were your mentors?*

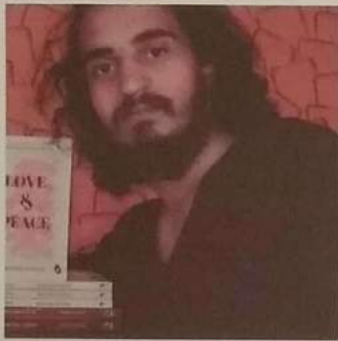
**Jitesh:** My mentors were my parents, my sister and of course my coach. They all believed in me and gave me the strength in the time of need.

**Aakarshak:** *What message do you want to give to the audience?*

**Jitesh:** I would like to tell everyone sitting here to never stop believing in themselves and always remember that sooner or later your efforts will pay you back. Not in the way you expected but definitely in a way that will benefit you.



GUEST  
COLUMN



Abhishek Kothari

## Rural People in the Urban Bharat

When Britishers came to India a few centuries ago, they felt mesmerized. They realized that India was a rich country. They also realized that it had one of the finest brains in the world. However they have loopholes. Using those loopholes, hundred tradesmen who had come on business turned into a few thousands and ruled a few billions of us. They used one easy method of dividing and ruling. They left, years ago, but the seeds that they had cultivated still exist.

We knew of the seeds then, yet we didn't change. We suffered because of them, yet we didn't change. And people are still becoming victims, yet they don't change.

It's been seventy years since so-called independence, and still moral uplifting is missing, no lessons have been learnt from the

past, and seed is showing its good affect - has turned into a poisonous plant though.

People are not ready to turn over a new leaf. They are born and years pass by but they still carry the mentality of the year they were born in. They live with these hollow ideologies - customs, traditions, rituals, values, principles - that, in real, help none and these ideologies are forced well on to next generation. Experts explain this could be because of social and economic factors that these wolves in sheep's clothing don't budge an inch.

However according to me it's the lack of moral uplifting. An act of brainwashing, something I see in terrorists who cry holding jihad. Our rural brains are crying holding their wild-goose ideologies, which known to all, restricts them from a well deserving life. If you give yourself a minute you'll find mindset of such people and terrorists is almost the same. I call them te'orists, someone besides themselves. And terrorists kill strangers. Te'orists are heartless people who kill dreams of their own people. Leave strangers, I've seen not even brothers respecting their sisters, something you learn from your elders. The tradition of inequality and wrongdoing is being followed very well. Poor people didn't yet understand one simple thing that values and principles were made for the enhancement of people. Not for ruining humanity.

Respect is very good. I love respect. If I talk of the one I love, for her respect came to my mind before love for her in my heart, and so I respect her more than I love her. But then my question is: As I don't believe in reincarnation or second life, and so, as now this is the only one I have, the life, is it correct to compromise with every other good thing for just one word - respect, love, values or principles? Or jihad in the case of terrorists? Means, I fail to understand, what are you sacrificing the beautiful life for?

I see, like Britishers, India is such a huge country with such a large population and that with great talent. However, unlike Britishers, I wish people to unite and live with high morals, because, until mental growth of an individual doesn't take place, the country's growth is not at all possible.

Sending a child to a good school wouldn't change anything. Remember, real learning starts at home. I end this article with an interrogative thought: Is moral uplifting ever going to happen to my fellow Indians? I feel bad to think that, excitedly, I had come to a place of Kings, an ancestry of courageous people, and not to witness - yet I did - the stubborn bodies who would pull the county back for their fake glory that has in store nothing except dark future for the upcoming generations.

\*Author is a bestselling writer of A Feeling Beyond Words and Love & Peace. Ideas are personal.



# TECH-KNACK

THE MIND SPEAKS...

## A CONNECTED FUTURE

Connected(adj.)- the word has seen many changes in its definition and its meaning in technological terms. When telegram was first invented, it promised that you could now remain connected with your family and friends. The advent of consumer telephones and mobile phones removed the time barrier associated with the letters and telegrams. When internet came to consumers, it promised the next level of connection through its services such as chatting, video calling, social media and numerous others. As time has progressed the word connected has evolved much like a version revision in a software which brings bug fixes and new features. Today, we have smartphones in which we carry our friends, family, the world with us at all times. So, what's the next version of connected?

Enter, Internet of Things – a boring sounding name but with possibilities which are endless. So, what is Internet of Things? Technically, it is defined as the internetworking of physical devices but in layman's terms these are small devices which make anything "smart". These devices are generally small embedded systems connected to the internet with an array of sensors to perform different types of operations. If that vague definition wasn't much of a help, think of a house, not just an ordinary house but a smart and connected house powered by Internet of Things. You wake up in the morning, the coffee machine reads your alarms from your phone and automatically makes coffee for you; or when you leave your house and the sensors at the door detect it, turn off all lights and appliances and lock the house. As I said before, the possibilities are endless and I am not talking about like it's in the future, this technology is here.

Smart homes are now accessible to the consumers and products like Google Home and Amazon Alexa are able to turn any home into a smart one. We have connected cars, most notable being Tesla Model S which can not only drive itself but is designed to avoid and prevent any sort of accident.



We even have smart cities, for example Barcelona – it has Wi-Fi hotspots embedded in lamp posts which dim themselves if there are no people in the vicinity; electric meters are constantly monitored for optimizing the usage; smart parking systems built in the cars which tell which spots are free and many such features which has made the city revenue and savings go up by \$140 million.

So now that you've understood the meaning of IoT, how can you make your life connected? This technology has seen its recent introduction in India and there are two ways to access it - If you are a non-technical person, then you can buy all these devices from the internet or you can hire professionals to do all the heavy work and have yourself a taste of connected life. But, if you like to fiddle with tech and know how things work you can do that too, the hardware required is very cheap and is easy to assemble while the software part can be done on any computer and then uploaded to the hardware. This gives the user flexibility to customize the device. From a career perspective, this technology is on the rise in India and presents numerous opportunities to future engineers as the current figures are 13 billion, and increasing, connected devices. These technologies can make our lives so much easier by automating and simplifying our routine work life and personal tasks.

We've come such a long way from sending messages through letter to manipulating electrons at our will to send message to the other side of the world and the innovations are still going on strong as ever. We are able to connect to every human being on this planet and now this technology has enabled us to connect to the physical devices too to ease our daily routine. So, finally we can say that we have arrived at the final revision of the definition and the final version of the term connected – or can we?

Harsh Mandan  
III B.Tech., Dept. of CS

# BHARAT OPERATING SYSTEM



BOSS (Bharat Operating System Solutions) is a GNU/Linux distribution developed by C-DAC, Chennai in order to benefit the usage of Free/Open Source Software in India. BOSS GNU/Linux is a key deliverable of NRCFOSS. It has enhanced the desktop environment integrated with the Indian language support and other software. The latest stable release, version 6.0, was released in August 2015.

The software has been endorsed by the government of India for adoption and implementation on a national scale. It was developed at Centre for Development of Advanced Computing (CDAC), Chennai INDIA. BOSS GNU/Linux is an "LSB certified" Linux distribution: the software has been certified by the Linux Foundation for compliance with the Linux Standard Base standard. BOSS GNU/Linux is derived from Debian GNU/Linux.

BOSS has upgraded from entry-level server to advanced server. It supports Intel and AMD x86/x86-64 architecture. BOSS GNU/Linux advanced server has unique features such as web server, proxy server, database server, mail server, network server, file and print server, SMS server, LDAP server. BOSS GNU/Linux advanced server comprises administration tools such as webmin which is a web-based interface, Gadmin, PHP myadmin, PHP LDAP admin, PG admin. The accessibility of BOSS Linux will have a constructive impact on the digital India campaign as more people can now have access to software in their local language to use the Internet and other information and communications technology (ICT)

facilities. Community Information centres (CICs) and internet cafes will also benefit from BOSS GNU/Linux as this software can be utilized to power these outlets and is affordable and easy to install, use and support.

## VERSION HISTORY OF BOSS

### BOSS 5.0 (Anokha)

This release came with many new applications mainly focused on enhanced security and user friendliness. The distribution includes over 12,800 new packages, for a total of over 37,493 packages. BOSS 5.0 supports Linux Standard Base (LSB) version 4.1. The new version features XBMC to allow the user to easily browse and view videos, photos, podcasts, and music from a hard drive, optical disc, local network, and the internet

### BOSS 6.0 (ANOOP)

There are several major updates in BOSS GNU/Linux 6.0 (Anoop) from 5.0 (Anokha). Notable changes include a kernel update from 3.10 to 3.16, a shift for system boot from in it to system, the full support of GNOME-Shell as part of GNOME 3.14, an update to the GRUB version, Iceweasel being replaced by Firefox and Pidgin replacing Empathy, and several repository versions of available programs being updated as part of the release. BOSS Linux 6.0 also shipped with various application and program updates, such as updates to Libre Office, Xorg, Evolution, GIMP, VLC, GTK, gcc, keyring manager, and Python.

Related specifically to the localization support, language support got even better with the replacement of Scim



with Ibus with the Integrated System Settings. Now Indic languages enabled with Region and Languages are directly mapped to the Ibus and the On Screen Keyboard layout is provided for all layouts.

This release is fully compatible with LSB 4.1 and is the current stable version of BOSS.

BOSS is the answer to why India is going to have a promising future in the field of operating systems.

---

Riitwick Krishnatri  
II B.Tech., Dept. of IT

---

## CLOUD COMPUTING

---

What is a cloud? Where is it? Are we in the cloud now? These are all questions you've probably heard or even asked yourself. The term "cloud computing" is everywhere. In the simplest terms, cloud computing means storing and accessing data and programs over the Internet instead of your computer's hard drive. The cloud is just a metaphor for the Internet.

For it to be considered "cloud computing," you need to access your data or your programs over the Internet, or at the very least, have that data synced with other information over the Web. Let's be clear here. We're talking about cloud computing as it impacts individual consumers—those of us who sit back at home or in small-to-medium offices and use the Internet on a regular basis.

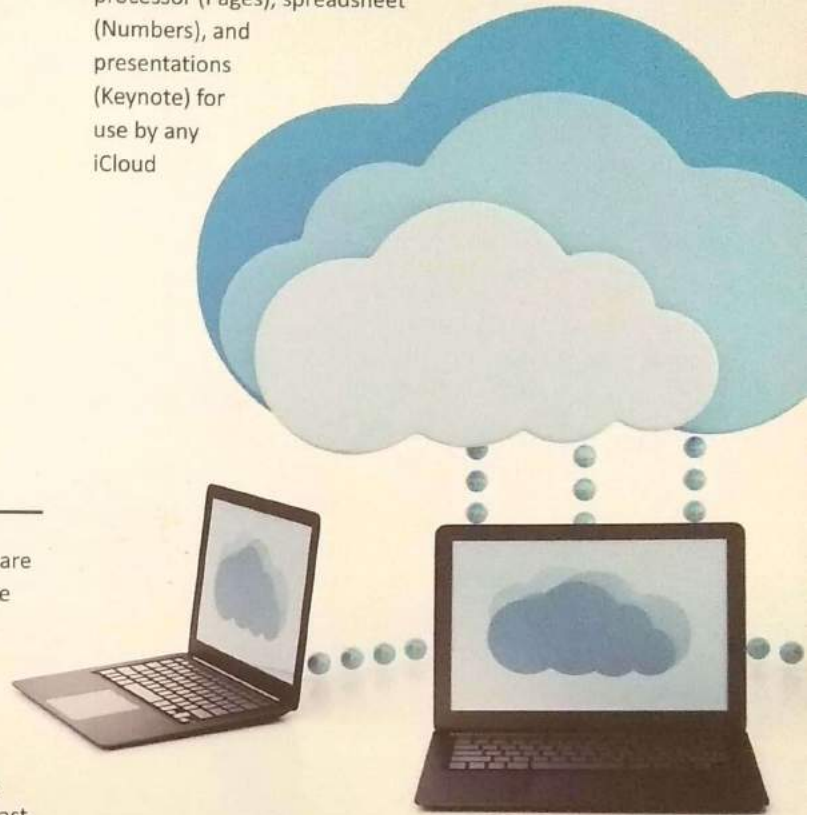
There is an entirely different "cloud" when it comes to business. Some businesses choose to implement Software-as-a-Service (SaaS), where the business subscribes to an application it accesses over the Internet. (Think Salesforce.com.) There's also Platform-as-a-Service (PaaS), where a business can create its own custom applications for use by all in the company. And don't forget the mighty Infrastructure-as-a-Service (IaaS), where players like Amazon, Microsoft, Google, and Rackspace provide a backbone that can be "rented out" by other companies.

Some other major examples of cloud computing you're probably using:

**Google Drive:** This is a pure cloud computing service, with all the storage found online so it can work with the cloud apps: Google Docs, Google Sheets, and Google Slides. In fact, most of Google's services could be considered cloud computing: Gmail, Google Calendar, Google Maps, and so on.

**Apple iCloud:** Apple's cloud service is primarily used for online

storage, backup, and synchronization of your mail, contacts, calendar, and more. All the data you need is available to you on your iOS, Mac OS, or Windows device (Windows users have to install the iCloud control panel). Naturally, Apple won't be outdone by rivals: it offers cloud-based versions of its word processor (Pages), spreadsheet (Numbers), and presentations (Keynote) for use by any iCloud



subscriber. iCloud is also the place iPhone users go to utilize the Find My iPhone feature that's all important when the handset goes missing.

**Amazon Cloud Drive:** Storage at the big retailer is mainly for music, preferably MP3s that you purchase from Amazon, and images—if you have Amazon Prime, you get unlimited image storage. Amazon Cloud Drive also holds anything you buy for the Kindle. It's essentially storage for anything digital you'd buy from Amazon, baked into all its products and services. Hybrid services like Box, Dropbox, and SugarSync all say they work in the cloud because they store a synced version of your files online, but they also sync those files with local storage. Synchronization is a cornerstone of the cloud computing experience, even if you do access the file locally.

Likewise, it's considered cloud computing if you have a community of people with separate devices that need the same data synced, be it for work collaboration projects or just keep the family in sync.

---

Jai Jain  
III B.Tech., Dept. of IT

---



# MY EXPERIENCE WITH THE GOOGLE TEAM



I applied for Software Engineering Summer Intern 2017 Google Japan, position from Google Jobs website in December 2016. They accept applications every month and give out the list of selected candidates next month. I got their email with the subject: "Google Japan — Next steps on your application" and I knew this was the big chance that I wanted. They wanted to schedule an online assessment, a coding round of 2 hours, with me. The score of the quiz along with my resume would then decide the further interviews.

I prepared for the online quiz day and night; doing algorithms and data structures from books and online websites (I'll mention the resources at the end of this post). I practiced coding the algorithms in my preferred language, Python 3, and made a Github repository for helping others with their interview preparations.

The repo is one of the only resources you might need for preparing for a technical interview as far as coding questions are concerned. I cleared the online quiz easily in just 1 hour satisfying all the test cases 20/20. The coding environment was similar to Google APAC Test (now known as Kickstart). The questions were based on Graph and Distance between 2 point algorithms.

I got an email saying that they would like to schedule a technical phone interview with me.

The phone interview was interesting where I was asked about my projects and 2 algorithms based coding questions, one of which needed good knowledge of probability. They liked my first interview and scheduled for the second Google hangout interview. They asked me about my projects and then coding questions on pointers in C and another fairly easy question on arrays.

Unfortunately, in the end I got an email saying that the hiring team had decided not to move forward with my application. It was a great experience- an interview at Google. I enjoyed the process and learned a lot of new things while preparing for it.

You might find the following helpful in preparing for technical interviews:

1. Data Structures & Algorithms In Python [[https://github.com/anubhavshrimal/Data\\_Structures\\_Algorithms\\_In\\_Python](https://github.com/anubhavshrimal/Data_Structures_Algorithms_In_Python)]
2. My Blog: 3 Algorithms Per Week [<https://3apw.blogspot.com>]
3. TopCoder Tutorials [ <https://www.topcoder.com/community/data-science/data-science-tutorials/> ]
4. Big O Cheatsheet [ <http://bigocheatsheet.com/> ]
5. Cracking the Coding Interview
6. Book [<http://www.crackingthecodinginterview.com/>]
7. Geeks For Geeks [ <http://www.geeksforgeeks.org/top-10-algorithms-in-interview-questions/> ]

Anubhav Shrimal  
III B.Tech., Dept. of CS

## eAtrocity

A fact that one has to knit in their mind in case they have a computer, is that they are likely to have faced a cyber crime is 66% as proposed in the annual print of Norton Cybercrime Report (NCR). The figure is to grow further. Its rational to say that if you use a computer, you will experience a cyber crime at some stage in your life. That's serious...

What I believe is they should change the famous saying to "There are only three certainties in life: death, taxes, and being hacked." The NCR also estimates in 2015 cybercrime fleeced the world of over \$170 billion. Let's break that down a bit further. Every second of every day, 27 people fall victim to cyber crime. That's over 812 million people per year. If it takes you 10 minutes to read this article, 16,200 people will have been victimized by some form of cyber crime.

There are cyber crimes that operate silently like the malware, viruses, trojans etc. and there a can be this Greek company claiming that you've hit a jackpot of a million bucks. Both the cases lead to the same ends; defrauded bank account, identity stolen or website hacked. The simplest of all ways to avoid being a cyber victim is to set up difficult passwords with a combination of lower as well as upper case characters along with numbers. It will take a hacker over 438 times longer to crack a six-digit password with uppercase and lowercase letters and numbers than a password with just lowercase letters.

Keep simple things in mind just to keep safe..!!

Nitin Rishu  
III B.Tech., Dept. of IT



# PAPER BATTERY

## What are paper batteries?

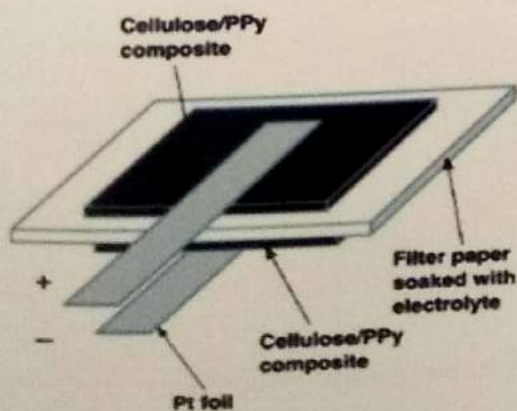
A paper battery is an ultra-thin, environmentally friendly and flexible energy storage device which can act both as a capacitor and as a battery. It is a light weight device made up of carbon nanotubes and cellulose based paper. It consists of infusion of carbon nanotubes with paper consisting of an ionic liquid as an electrolyte. It is also known as Nano Composite Paper since it is constructed from carbon nano tubes and paper.

## Paper Battery Construction:

The first and foremost method of constructing paper batteries was proposed and initiated by Robert Linhardt, a chemist at Rensselaer Polytechnic Institute in Troy, New York which was further improved by Yi Cui, a materials scientist at Stanford University, Palo Alto (California).

Given below are three ways to create paper batteries:

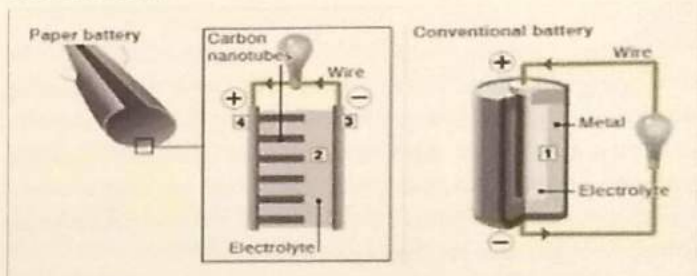
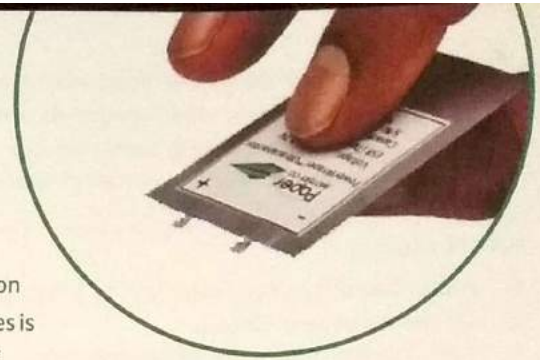
1. The first method involves fabricating zinc and manganese dioxide based cathode and anode. The batteries are printed onto paper using standard silkscreen printing press. This paper is infused with aligned carbon nanotubes which are used as electrode. This paper is dipped in a solution of ionic liquid which acts as the electrolyte.
2. The second method is a bit complex and involves growing nanotubes on a silicon substrate. The gaps in the matrix are then filled with cellulose and once the matrix is dried, the combination of cellulose and nanotubes is peeled off. Thus sheets of paper consisting of layers of carbon nanotubes are created. Two such sheets are combined together to form a super capacitor with an ionic liquid like human blood, sweat or urine being used as an electrolyte.
3. The third is a simple method and can be constructed in a laboratory. It involves spreading a specially formulated ink of carbon nanotubes over a rectangular sheet of paper coated with an ionic solution. A thin film of lithium is then laminated on the other side of the paper. Aluminium rods are then connected to carry current between the two electrodes.



## Paper Batteries working Process:

Internal operation of paper batteries is similar to that of

conventional batteries with each battery generating about 1.5V. In traditional batteries, positive charged particles called ions and negative charged particles called electrons move between positive electrodes called anode and negative electrode called cathode. Current flows as electrons flow from anode to the cathode through the conductor, since the electrolyte is an insulator and doesn't provide a free path for electrons to travel. Similarly in paper batteries, carbon nanotubes act as cathode, the metal is the anode and paper is the separator. Chemical reaction between metal and electrolyte results in production of ions whereas chemical reaction between carbon and electrolyte results in production of electrons. These electrons flow from the cathode to the anode through the external circuit.



## Advantages of paper battery:

- Biodegradable & Non Toxic
- Durable
- No Leakage & Overheating
- Offer high energy efficiency.
- Can be used in harsh climate conditions like heat and cold.
- Reusable & Recyclable
- Rechargeable
- Very Light Weight & Flexible

## Limitations of paper battery:

- Since cellulose has low shear strength, these batteries have low strength and can be torn easily.
- Construction of carbon nanotubes is expensive.
- If we inhaled the paper battery, they start interacting with the Microphages present in the lungs. This is very similar to the same of Asbestos fibres, so it will be very hazardous for the health of humans.

## Applications of paper battery:

- In low battery power devices like in calculators, wrist watch and other low drain devices
- In laptop batteries, mobile phones, handheld digital cameras
- In wireless communication devices like mouses, keyboard, Bluetooth, headphones, etc
- In entertainment devices.
- In tags and smart cards.



- For medical applications like disposable medical diagnostic devices and also can be used in pacemakers due to the paper batteries nontoxic and biodegradable nature.
- Ideal for aircraft, automobiles, remote controllers etc.

### References:

- <https://www.mepits.com/project/193/Techno-innovations/Paper-Battery>
- <http://durofy.com/paper-batteries-working-construction/>
- <http://www.electronicshub.org/paper-battery-construction-working/>

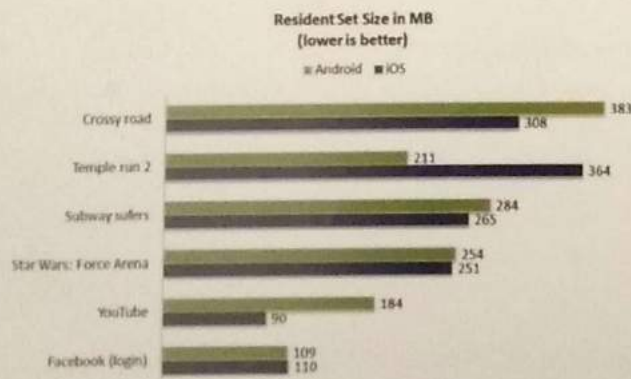
Dr. Sangeeta Gupta  
 Associates Professor, Deptt. of Maths

## RAM AND RSS IN ANDROID AND IOS?

RAM(Random Access Memory) is the memory used by the CPU to hold and execute apps in both OS. Now the popular claim is that the iPhone gives the same or an even better user experience while using less RAM. When you search on the web for a reason behind this claim the majority of explanations will tell you that Java is the problem and that Android needs more RAM because of Java's overheads as well as because of Java's garbage collection. Seriously it is a myth right now, Java has very little to do with it.

### Resident Set Size

The physical RAM that is actually occupied by an app is known as the Resident Set Size (RSS) and it is a good measure of how much RAM any particular app needs to run. To test the theory that Android apps use more memory than iOS apps let's take a look on the table.



As you can see, it is a bit of a mixed bag. The Crossy Road app on Android uses 383MB of memory, while on iOS it uses 308MB. But conversely Temple Run 2 uses 211MB on Android and 364MB on iOS. Overall the trend is that Android apps use slightly more memory, around 6% more than iOS apps. However iOS apps aren't half the size of Android apps.

### Background App Handling

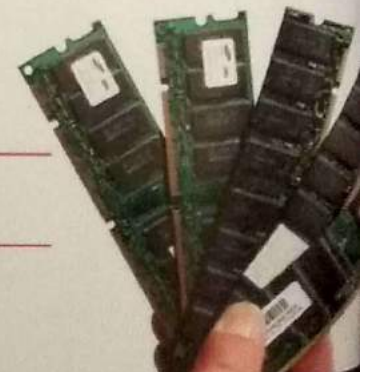
The RSS measurements above are for foreground apps, i.e. apps that are actually running and interacting with the user. But on both iOS and Android multitasking is possible. During multitasking when we move away from the current app it changes from being a foreground app and becomes a background app. These background apps are treated differently than foreground apps. When several apps are opened in background The priority for the OS is to get the new app loaded and running. For this Android uses the technique of compressed swapping. In this OS will look at the pages that would have traditionally been moved to the hard disk and instead of writing them to a disk they are compressed and stored in RAM. The space saved by compressing the data becomes available RAM. A similar technique is used by macOS since OS X 10.9 Mavericks. However the extra CPU load and the unknown compression ratios are the problems but they worth it because the alternative is more drastic. If the OS can't free up enough memory then it has no choice but to kill off another app in android. eg. Take Nexus 5X we can able to keep two games (say Crossy Road and Subway Sufers) in memory and switch between them without any problems. However once I started a third game, say Temple Run 2, then one of the other games would be terminated by the low memory killer to make space for new app.

iOS uses the same app assassination technique as Android however this ruthless streak is seen less often than in Android. Instead iOS has a way to reducing the resident set size of an app without actually killing off the app. For example, from earlier we know that Crossy Road takes up around 308MB when it is first loaded. However once Crossy Road is moved into the background it has been observed that iOS whittle away at its RSS until it was less than "10MB!" However the app wasn't killed off and when we switched to the game was instantly there, without it having to reload. Once in the foreground its RSS climbed rapidly to over 100MB, even to 200MB, but interestingly it never went back to the 308MB limit of the initial load. As a result when I try the same multiple game test on the 2GB iPhone 7 then I am able to run the first two games, just like 2gb Android, but I am also able to run the third game without one of the other two getting killed off.

### Wind-up

Apple is able to decrease the size in background upto "10MB" of an app who runs in foreground and occupies "308MB"! How iOS is doing this I just don't know, Apple doesn't release much information about the internal workings of iOS. But Apple have some good trick to handle low memory situations using very efficient use of "Resident Set Size".

Ayush Vashishth  
 III B.Tech., Dept. of CS - A





# MELANGE

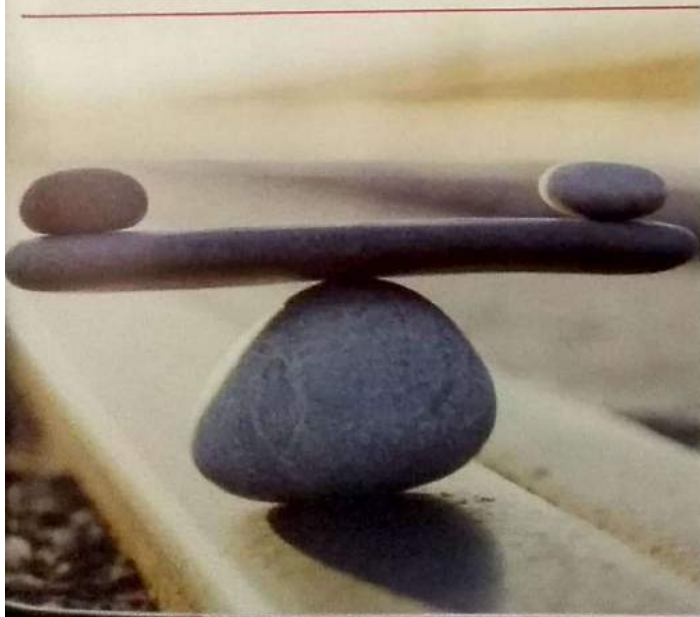
THE HEART SPEAKS...

## THE CHALLENGE TO BALANCE PERSONAL & PROFESSIONAL LIFE

It's a challenge to strike a balance between professional responsibilities and personal priorities. The lack of balance between these two lives can cause a burnout, which is a type of psychological stress and can result in debilitated job performance and poor health. To stay away from this stage of absolute enervation, it is important to delineate personal values and choices. It is imperative to save time for family, friends, social activities, doing exercise and taking nutritious food, all of which are required to maintain a healthy and rich personal life. Before we have a balanced life, we must be satisfied with our professional life. Introspect yourself.

If you are not content, work hard to change the things. It is a myth that you are more efficient if you spend more time at work. **"It's not about working more but working better"**. The key factor here is "Time Management". It is essential to complete a task within a specified time limit. The things which can be avoided to have more time at your disposal are reading junk mails and personal phone messages, avoiding some calls, viewing illogical TV shows etc. Set your priorities. If you set the priorities, things will automatically get better soon. Give your hundred percent to whatever you do, whether you are at home or at work place. Things can be changed if you really want them to.

Dr. Jyoti Arora  
Associate Professor, Department of Maths



## THE GOAL OF LIFE: PEACE

There are perhaps only a few among the masses who have given a serious consideration to the problems of life. Generally, they take a very narrow view of them. The only problem before these people is to secure a decent living and the desired comforts. In other words, for them the object of life is only to achieve the greatest possible comfort and prominence in the world. If they are able to achieve it they think their life is successful.

Such people may however be known as great men, philosophers, scientists or politicians and acquire worldwide games and riches but their problem of life still remains unsolved. It does not really end with death for it is only a change of the form. There may be a difference of opinion over the question of birth and death, among the followers of different creeds, but it is certain that mere theoretical knowledge of scriptures will not solve the question.

The mystery, though, is explained by people in various ways, but almost all agree on the point that object of life is to achieve the eternal bliss-PEACE. Peace is not something you wish for. It is something you make, something you do, something you are and something you give away. All our achievements and materialistic world will not last longer to give us our inner peace. It can only be acquired by love.

Love for yourself, love for others.

***If you don't have inner peace you will not find it anywhere else.***

***Each day is surely a day of decision.***

***A decision to spread love.***

***When the power of love overcomes all then the world will know what peace is.***

Saumya Singh  
I B.Tech., Dept. of IT





## HIGHLIGHTS OF A GLORIOUS CAREER: LEO MESSI

*"Is there anybody better? I don't think so!"*  
- Commentators

With him being on the top of the world football for about a decade, I consider the above remark as an understatement. He is the one those who have created magic whenever they touched the ball. He is the magician of our era; he is, in a true sense, a phenomenal one. Yes, he is Lionel Messi, the greatest football player, a lethal scorer and a prolific playmaker.

Lionel Andres Messi had his first cry in the city of Rosario, Argentina on June 24, 1987. He took his first step on the long route to become a legend when he was merely 7 years old, when he joined the Newell's old boys club in 1994. He had an ugly childhood as he had a deficiency of growth hormones. During the match of Newell's old boys football club, scouts from FC Barcelona saw the game of young Messi and without a second trial, finalized him for the youth club and development program, and even paid for his medical treatment. Thereafter, Messi moved from Argentina to Spain in the year 2000, after playing for 6 years in Newell's Old Boys Football Club.

The journey began since then! Messi joined the youth academy in 2000 and after 3 years clawed his way into the C squad of FC Barcelona. Due to his insane talent, Messi wasted only a little time playing for the B and C squads and after only 16 games in those squads, he made his debut in the playing 11 of the senior team. On his 18th birthday, he signed his first contract as a senior team player. On October 16th, Messi made his official debut for the senior team,

## MAY I BORROW YOUR PEN FOR A MOMENT

This write up will appeal to those who value their simple possessions; they are those who spend a lot of time before they choose something.

I, on my part, treasure the pens I use for writing. I spend a considerable amount of time at stationery shops or exclusive pen shops before I decide to buy one. In case if you are thinking that I am extravagant in my fascination for pens, you are wrong. The price of a pen does not matter to me at all. I am fascinated by the body of pen more and the sharpness of the writing tip comes into consideration; only afterwards I usually go for the inexpensive ones. The pen which I am using for this write up has cost me only rupees three. When I see a pen at a shop the gut feeling in me tells me to buy it immediately and I end up buying many.

The toughest time for me is when somebody in the class asks me to lend my pen for a moment. The polite request shakes me to the core of my heart. I cannot say no, for it is not in my value system. I have to let go of the pen although, while doing so my heart bleeds.

The pen is inexpensive but valuable to me.

When I see my pen running on paper in other hands, I am dismayed, and when it is handed over to me again, I do not feel it is the same thing again. It no longer holds the same value it did before to me and I keep it in a quiet corner of my house or leave it in college and take out another one from a new pack. My only hope and prayer to God is that I do not get to hear the words, 'Would you mind lending me your pen to me for a moment?' again. That one moment will be a lifetime of loss to me.

Deepak Sharma  
III B.Tech., Dept. of CS

coming as a substitution in the 82nd minute. He became the youngest player to represent FC Barcelona in any official competition. He scored his first goal as a senior player on May 1st, 2005 following an assist from another legend, Ronaldinho.

As a senior team player, Messi started off as a right winger, and then after some years, he was promoted as a striker. As a winger, he developed an attacking trio with Ronaldinho and Samuel Eto'o. After the retirement of Ronaldinho and his switch to the position of striker, he developed another lethal trio with Xavi and Iniesta which, in my opinion, was the strongest. Currently, he shares the same attacking trio alongside Luis Suarez and Neymar Jr. with him placed on the central attacking midfielder and also being the captain of the squad.

The quest for becoming the best in the world does not end here. In his journey to the top, he has accomplished many feats and achievements which anybody is yet to touch or outwork. After his



start in the FC Barcelona senior squad, the club has won \* La Liga titles, 4 Cop Del Rey titles and 4 UEFA Champions League titles and many more prestigious European titles. Presently, Messi hold various records for scoring goals. He is the first player to score 5 goals in a single Champions League game. He also holds the record for scoring maximum goals in a La Liga season with 50 goals, maximum goals in a European football season with 73 goals and also scoring the maximum goals in a calendar year with 91 goals, breaking the record of Gerd Muller. Now that was something interesting, wasn't it? He is also the first player to win 3 European golden boot award and also being a 5 time Ballon D' Or winner, which is the most prestigious award in world football, and even out of those 5, 4 were consecutive.

"He is something different... he is not just a human... he is Lionel Messi!"

---

Parth Singhal  
I B.Tech., Dept. of ME

---

## AN ELDER BROTHER

---

Life is constantly moving and so are we. There are many moments in a person's life when they need someone to share their feelings. An elder brother is one such blessing which only a few fortunate people have.

If you have an elder brother, there is nothing more you can ask for from the almighty. An elder brother is someone who would help in studies, encourage one to do better, someone with whom one could be most comfortable, who would understand us better than others, would show us the right path, motivate us, care for us, appreciate our efforts, protect us; a person who would handle one's craziness, who would be only one to know all our secrets, who may get angry at us sometimes, still someone to pamper us always; one to tease us at times, and someone who would maintain that sweet-sour relationship with us. He wouldn't be just a big brother to us but our best friend too.

It is often said that all blood relations are not necessarily strong. There are some bonds beyond it which are stronger and more compatible. This is such bond which is pure and complete in itself.

---

Shagun Agarwal  
I B.Tech., Dept. of CS

---



## A TOAST TO COLLEGE LIFE

---

Memories like a tapestry set forth in the colors gay;  
The hopes, the dreams, the happiness;  
That blessed our yesterday.  
Golden threads for golden deeds;  
Rosy tints for dreams come true  
For friendships earned and friendships held;  
Are tints of heavenly blue.

These four years for each of us at SKIT have been a blend of hope and apprehension. The 35040 hours went by like a riveting roller coaster of emotions and creating memories. With the guiding light of teachers and lovely friends, the four years have come to an end with doors of memories that will never close.

The Toastmasters club and the schooling that I recieved from here is absolutely prestigious and will always hold a special place in my heart.

Its often said  
"It's not the goodbyes that hurt  
But it's the flashbacks that follow".

And so these golden days of my college book with the indelible impressions that have been created in my mind will always be cherished.

Bon voyage.

---

Tanvi Jhamb  
IV B.Tech., Dept. of CS

---



# DIGNITY OF LABOR AND INDIA'S HUMAN POTENTIAL

India's massive young population holds the potential to transform India into a world power. Realizing this human potential is a challenge for the Government of India and will determine the future of our nation. Today, we have deemed certain professions as good and others as not so good. High profile jobs like engineering, office jobs or trading are often the good ones whereas farming, construction and almost everything requiring hands on work is looked down upon. This has created a situation where we have surplus workforce but a lack of skilled labor and lack of productivity in many sectors of the economy. Millions of manufacturing jobs continue to move to China and our industrial production continues to contract. This article addresses one of the the primary causes that need immediate attention.

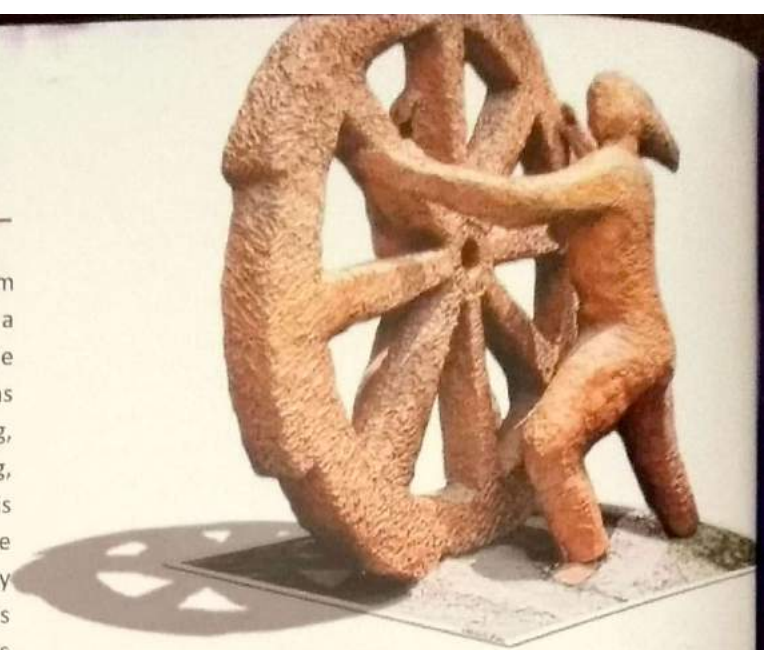
Dignity of labor means that all occupations, whether involving intellectual or physical labor, deserve equal respect and dignity. No job should be considered superior or inferior to other jobs. Every job that is dutifully done with honesty and sincerity deserves appreciation. Every person has the right to choose the profession of his liking. A person should never be discriminated against on the basis of his occupation. Mahatma Gandhi realized how important this is to nation building and was relentless in breaking barriers and perceptions based on the nature of work. His "spinning charkha" and focus on doing the most menial work was meant to create respect for the work. He had the same respect in his eyes for a manual laborer as for the most educated intellectual.

Government of India's priorities like Swachh Bharat Abhiyan and Make in India require that we regard all professions equally. Even though the developed world is moving towards greater automation, India requires solutions that are geared towards our needs. We need our young population to be gainfully employed and contribute productively to the economy. Unless, workers feel that they will get respect and acceptance in every profession, we will not attract people who are innovative and motivated to excel.

Keeping the above in view it is necessary to promote dignity of labor in society. Though the Prime Minister, Mr. Narendra Modi, started the Swachha Bharat Mission by cleaning the road himself to set an example, we need to do more.

Here are some suggestions that, when implemented, will cause meaningful progress on dignity of labor in India:

**1. Education Policy:** Right from the school, developing at least one manual skill should be a part of the curriculum. This could be plumbing or carpentry or electrical skills and it should be evaluated on a continuous basis like other subjects of studies. If kids get a



personal experience of the difficulty in achieving excellence in these skills, they will learn to respect the people who earn their living by them. Early exposure should identify the few who may continue to pursue them as profession and become experts.

**2. Reward & Recognition:** Public appreciation and award for excellence should be given for all professions. Excellence or innovation in farming, carpentry or plumbing should be recognized. The key here is public appreciation of their contribution and skill. People in these professions should feel that society understands their value and respects them.

**3. Research:** Institutions should be asked to initiate research work in documenting best practices and finding new ways to improve the skills. Investment in latest tools can reap rich dividends. Cleaning or construction has seen drastic changes in technology and best practices. A portion of the government's grants for research funds should be dedicated to this sector.

**4. Remuneration policy:** Poor remuneration is one reason why people may not want to work in an area. Lower productivity, poor work ethic and unskilled work is a bigger drag on our economy. We can replace cheap Chinese imports with quality Indian products if we make the remuneration attractive and pull in the right talent.

**5. Culture:** The culture of respect for manual worker should also be promoted by secretly monitoring the policy. Whosoever does not respect or misbehaves with a manual laborer should be punished.

Dignity of labor is practised across most of the western world and is a key part of the success of the Asian economies like Japan. This is one practice that we should aggressively seek to emulate; it'll transform our nation.

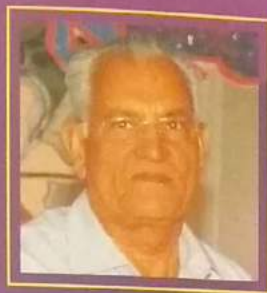
---

Prof. M.L Bhargava  
Advisor, SKIT

---



# THE GOVERNING COUNCIL



**MR. RAJA RAM MEEL**  
Chief Patron



**MR. SURJA RAM MEEL**  
Chairman



**MR. ANIL BAFNA**  
Vice Chairman



**MR. JAIPAL MEEL**  
Director



**PROF. (DR.) S. L. SURANA**  
Director (Academics)  
& Member Secretary



**PROF. (DR.) S. K. CALLA**  
Director (D & W)



**MRS. RACHNA MEEL**  
Registrar



# OUR TORCH BEARERS



**Shri Jaipal Meel**  
 Director, SKIT  
 B. Com, MBA  
 Experience of 17 years of looking after the family business along with the educational concerns of the institute



**Prof. (Dr.) S.L. Surana**  
 Director (Academics), SKIT  
 B.E., M.Tech (IIT Bombay), PhD (UK)  
 LMISTE, SMIEE (USA) FIE, FIETE  
 Experience of 54 years of teaching and administration



**Prof. (Dr.) S. K. Calla**  
 Director (D & W), SKIT  
 B.E. M.E., PhD, FIE, Ex. Chairman & M.D.,  
 Rajasthan, Rajya Vidhyut Utpadan Nigam  
 Experience of 46 years in power sector, administration and academics



**Prof. (Dr.) Ramesh Kumar Pachar**  
 Principal  
 M. Tech, PhD  
 Experience of 20 years of administration and teaching



**Prof. Hemlata Dullar**  
 Principal, SKIP  
 M. Pharm  
 Experience of 24 years of administration and teaching



**Prof. M. L. Bhargava**  
 Advisor, SKIT  
 B.E., M.A. (Economics)  
 Experience of 49 years of industry administration and teaching



**Prof. (Dr.) N. K. Banthiya**  
 HOD - Mechanical Engineering  
 M. Tech, PhD  
 Experience of 61 years of administration and teaching



**Prof. (Dr.) Satish Bhatnagar**  
 Director (Research) and HOD - EC  
 M.Sc., PhD, IETE  
 Experience of 53 years of administration and teaching



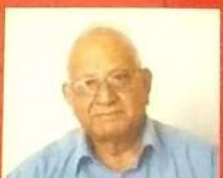
**Prof. S P Garg**  
 Dean-Management Studies  
 PMA (MBA) IIM, Ahmedabad (1973),  
 M. Sc (Agri) (1971) CAIIB, DBM(I)  
 Experience of 39 years of teaching, administration & multidimensional corporate responsibilities in India and abroad.



**Prof. (Dr.) C. M. Choudhary**  
 HOD - Computer Science & Engineering  
 M. Tech, PhD  
 Experience of 20 years of administration and teaching



**Prof. (Dr.) Anil Chaudhary**  
 HOD - Information & Technology  
 M. Tech, PhD  
 Experience of 22 years of administration, teaching and corporate world



**Shri L. N. Datt**  
 Head - Civil Engineering  
 M.Sc, LMDMS, (USA), GS, (INDIA)  
 Experience of 55 years of academic teaching, industry and administration



**Prof. (Dr.) D.K. Sharma**  
 Professor - Deptt. Civil Engineering  
 B. E., M.Tech, PhD  
 Experience of 23 Years of administration and teaching



**Prof. (Dr.) Akash Saxena**  
 HOD- Deptt. of EE  
 B.E., M.Tech, PhD  
 Experience of 14 Years of administration and Teaching



**Prof. (Dr.) Sudha Calla**  
 In-charge - B.Tech I Year  
 M.Sc., PhD  
 Experience of 36 Years of administration and Teaching



**Prof. (Dr.) Archana Saxena**  
 HOD - Deptt of Chemistry  
 M.Sc., PhD  
 Experience of 22 years of administration, teaching and research



**Prof. (Dr.) Rohit Mukherjee**  
 HOD - Deptt. of Mathematics  
 M.Sc., M.Phil, PhD  
 Experience of 18 Years of administration and Teaching



**Prof. (Dr.) R. K. Jain**  
 HOD- Deptt. of Physics  
 M.Sc., PhD  
 Experience of 16 Years of administration and Teaching



**Dr. Vikas Shrotriya**  
 Professor - Management Studies  
 M. Com, MBA, MA (Eco.), PhD  
 Experience of 27 years of administration, teaching and corporate experience



**Dr. Niraja Saraswat**  
 HOD- Deptt. of English  
 M.A., M. Phil, PhD  
 Experience of 14 Years of administration and Teaching



# OUR ERUDITE FACULTY AND COMMITTED STAFF



DEPARTMENT OF MECHANICAL ENGINEERING



DEPARTMENT OF ELECTRICAL ENGINEERING



DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE &  
INFORMATION TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING



DEPARTMENT OF PHYSICAL SCIENCES AND HUMANITIES



# OUR ERUDITE FACULTY AND COMMITTED STAFF



DEPARTMENT OF MBA



DEPARTMENT OF TRAINING AND PLACEMENT



EXAMINATION CELL



ERP CELL



ACCOUNTS, OFFICE & OTHER STAFF



RESEARCH JOURNAL



# OUR ERUDITE FACULTY AND COMMITTED STAFF



LIBRARY STAFF



HOSTEL STAFF



TRANSPORTATION



SECURITY



MESS STAFF



HOUSE KEEPING & MAINTAINANCE



# OUR PROUD CULMINATIONS



INFORMATION TECHNOLOGY



ELECTRICAL ENGINEERING



ELECTRONICS AND COMMUNICATION ENGINEERING



CIVIL ENGINEERING



COMPUTER SCIENCE ENGINEERING – II



MECHANICAL ENGINEERING



COMPUTER SCIENCE ENGINEERING – I



## QUICK QUIPS

"You are beautiful lady in whole wide world he said to her with sad eyes" By this she embraces him one last time as it is the time when one promise is shifted to another PROMISE of taking care First by her dad now by her husband.

---

Kriti Tuteja, III B.Tech, Dept. ECS

---

"Hey do you remember that girl", I asked.  
"When do you let me forget her?  
You mentioned her just a minute before.  
I am more used to her name than you are.  
Is this enough as an answer to your stupid questions?",  
the DIARY reverted.

---

Deepali Saxena, III B.Tech, Dept. CS

---

Somewhere in between choosing  
the right or wrong, she collapsed.  
Innocence perished.  
The right led to wrong,  
in the BATTLE between the heart and the brain  
Brain 1  
Heart 0

---

Akshika Bhanawat, IV B.Tech, Dept. ECS

---

"Truth isn't something we gaze at with our eyes!!  
Rather, a reality our mind comprehends,  
So, what we feel is a perception of reality!!  
Whereas, what is seen is mostly protected by  
our own common sense!!  
That's why humans can be stupid, mystical and  
CATASTROPHIC creatures "

---

Aman Gautam , II B.Tech, Dept. IT

---

Understood the condition of that so called unconditional love  
A sea of sacrifices and the thirst to be drenched  
A heart to be drowned and passion to be held  
This passion of so called love is now a poison to me  
A QUESTION it is  
But unanswered to me.

---

Vrishab Jyoti, III B.Tech, Dept. CE

---





## From Strangers to Lifelines

I remember the day we stepped into this new world.  
We all had nothing except the memories of those old emeralds.  
Twelve years spent in school means a huge part of our lives.  
Every corner has a story that our tears and smiles hide.

Changes and responsibilities were waiting on those unfamiliar paths.  
Nervousness and excitement were together ruling our hearts.  
Who knew that god had planned so much for us.  
He sent these angels to quench our true friendship's thirst.

These are the people who accept the real you.  
Friends are many but the families are few.  
They will make you laugh harder when you wanna cry out loud.  
"And those fellows are mine", you gonna shout this out.

Your bunch of idiots will take away all your worries.  
Life without them is just the cake without cherries.  
You get scared when the thought of losing them crosses your mind.  
Cause they are now your rainbow and your sunshine.

They will make you bunk classes and then teach you for exams.  
Will enjoy teasing you but protect you from all the evils and harms.  
To beat you up for no reason, they will stand in a queue.  
They will bring out all the craziness buried inside you.

They will be your parents, and can even become face readers.  
You're lucky when you've got another set of brothers and sisters.  
From strangers to lifelines the journey has been amazing.  
A long way to go with them, this is just the beginning.

Prachi Keswani  
I B.Tech, Dept. of IT

## Let's begin with a war

I demand for a mandatory step, Let's be the change  
To overcome the darkest clouds, Of drastic and futile pleasures.

Let's say no more to pain  
With the wounds, caused to our mother earth;  
Let's save our lands, From devastating pollution and hazards.

Let's begin with a war  
Against those, who shook axe over plants  
And harmed all the fauna of the green world  
Let's not show, more of brutal means

Let's not harass our resources  
Every lump of which, is meant for our future generations  
Let's plant more saplings  
Just another way to reveal daddy's emotions.

Let's shine like the sun, Let's again begin with a start  
And make this world a heavenly place for all,  
Where nature's lime-light is for everyone

Let's teach our children the values of green and white leaves  
cause we are grown in the sands, Let's start living for others  
Let's preach of love to our mother earth

Be a man!! Be a true spirit!!

Karan Bari  
III B.Tech, Dept. of EE

## Multi Shades Of Me –

Bright innocent and colorful when young,  
Walked through the childhood..  
Mingling with worldly desires,  
And there I stood.. In this city,  
With minds smart and witty..  
Finding the souls which has weakened,  
Because LIFE HAPPENED!!  
This place is teaching me millions of lessons,  
Failures, sorrows and rejections..  
Here people keep the real face at bay,  
Leaving me with a shade of grey,  
White the soul has washed away,  
Black is getting darker  
With the ability of to break my soul even harder..  
Now the pieces are scattered



Each with a different color,  
But RED has the power  
To unite my soul into whole,  
Coez this is what runs in my blood,  
Preventing me from giving up..  
Most importantly it has shown,  
The smell of my own...

I STINK of LOVE, I REEK of LOVE  
Whether with the LOVER or NONE,  
that's what brings my pieces into one!!

Shivi Dugar  
IV B.Tech, Dept. of IT

## Life Is A Journey

Life is a journey, Completely filled with events,  
Some bringing joy, While others bringing sorrow;  
Each significant in, Shaping our attitude towards life.

Life is a journey, Completely filled with dreams;  
Some are fulfilled, While some not;  
But the dreams are the roads, Walking on which,  
We achieve our goals.

Life is a journey, Completely filled with professions,  
Some earn us material rewards,  
While others give us true satisfaction,  
But to choose among them, Is always our decision.

Life is a journey, May end on any day,  
May end in heavens, Or at the devil's door,  
Utilize your life - And believe in yourself.

Harsh Sanchawat  
I B.Tech, Dept. of CS

## Rutherford's Experiment

When you look at an atom, it looks like a pie.  
Let me tell you, it was Thompson who lied,  
That there's no nuclei.

Then Rutherford, Geiger and Marsden,  
Made the whole crowd stunned,

And Told that there's a nucleus in center like sun.  
With this classic involve, There are electrons that revolve.

Most of space is hollow, As no one replied Alpha's hello,  
But one alpha came with exception,  
In center there is something like sun,  
It was no one but the nuclei, Who said that alpha a 'hi' ?  
And with this Rutherford claimed,  
That there's a nucleus and got all fame.

Pulkit Sharma  
III B.Tech, Dept. of CS

## I would be me

Worried for the future and about the past,  
Limited to the things, that I could see,  
Being a crowd, hoping in my mind,  
May be some day, I would be me.

The dreams of mine, have lost somewhere in the dark,  
Might have stored, in the corners of my brain,  
Searching the ways, to find them up,  
So that I can see them again.

Sometimes, I just want to up,  
Give up on the things, that I want to be mine,  
But them again, I head toward the sun,  
It take some time, before it shines.

It's not the case, of less opportunities  
I got them up in a series of chain,  
But, I lost them, thinking in my mind,  
That, they will strike me, again and again.

But the last, I am assuring you up,  
To build myself, successful and free,  
Because, at this time, I can say out louder,  
That yes, some day, I would be me.

Saumya Singh, I B.Tech., Dept. of IT





## माँ-प्रकृति

इस धरा पर खुलते ही आँख तो पाया,  
साँसों के लिए हवा बिखरी थी चारों ओर,  
चमकता सूरज और शीतलता बरसाता मंथक हर रोज।  
माँ की गोद जैसा अहसास कराती प्रकृति चहुँ ओर,  
पिता सा रक्षण करता अन छुआ – असीमित आकाश,  
जीवन भर लुटाती रही, वसुन्धरा ने नहीं किया कभी निराश।

बचपन ने खेला सच्ची तितलियों, रंग बिरंगे फूलों, पेड़ों पर झूलते झूलों से,  
काली, पीली, भूरी मिट्टी के घरोंदों से, मटमैले पानी से भरे गड्ढों से,  
ऊँची उड़ती लहराती पंतलों से, दादा-नाना के कंधों से।  
खूब खाई थी आंगन में गिरी निंबोली, कच्ची-खट्टी कैरी,  
हर घर में बच्चे मिल कर पेड़ों संग भी करते ठिठोली,  
जड़-चेतन ऐसे मिल जाते, जैसे हम जोली।

गर्मी में राहत देता मिट्टी के घड़ों का ठण्डा-ठण्डा पानी,  
भर-दोपहरी खाते खीरा-ककड़ी, चने-भूगड़े और धाणी,  
सर्दी-बरसातों में भी, माँ धरती करती ऐसी तैयारी।  
तीज त्यौहारों, हर मौसम में रहती संग हमारे,  
सुख-दुःख दोनों में कहती, मैं हूँ पास तुम्हारी,  
हे! मानव मैं प्रकृति नहीं, माँ हूँ, मेरे राज दुलारे।

समय रहते समझना होगा और संभालना होगा बूढ़ी माँ को,  
पूरा करना होगा, अपना कर्त्तव्य हर संतान को,  
तभी खुशहाली माँ मिल पायेगी, आने वाले हर बाल को।

डॉ. प्रमिला कुमावत  
गणित विभाग

## इतिहास का पेपर

एक साल पढ़ने के बाद, परीक्षा आती है या होती है संगीन  
कोई लिखने वाल क्या लिखे, जब घण्टे निकल जाते हैं तीन।  
इतिहास का पेपर था जिस दिन, चिन्ता का दिल धड़कता था  
थे शकुन बुरे घर से चलते ही, बाँया नयन फड़कता था।  
तुम पाँच मिनट हो लेट, शरपर चपरासी ने बतलाया  
मै ई-मेल देने की तरह दौड़ता हुआ, कमरे के भीतर आया।

परचा हाथ में पकड़ लिया, आँख मिचकर चूम लिया  
पढ़ते ही छाया अंधकार, चक्कर आया सिर धूम गया।  
ओ प्रश्न बनाने वाले, क्या मुँह लेकर उत्तर दें हम  
तू बता तेरी मर्जी, ये पेपर है या एटम बम  
पूछे तूने वही सवाल, जो जो मैंने रटे नहीं  
जिन हाथों से यह प्रश्न पत्र लिखा, वो हाथ तुम्हारे कटे नहीं।  
इतने में अम्बर से, आई आवाज एक  
ओ मूर्ख क्यों रोता है, जरा आँख उठाकर इधर देख।

गीता कहती है कर्म करो, मत फल की चिन्ता करो  
मन मे आये उसी बात को, कॉपी में लिख दिया करो।  
मैंने लिख दिया पानीपत का युद्ध, हुआ था सावन में  
पाक और जापान भिड़े थे, अठारह सौ सतावन में।  
लिख दिया महात्मा बुद्ध, महात्मा गांधी के चले थे  
बचपन में नेहरू पार्क में, आँख भिचोली खेले थे।  
अकबर का बेटा बाबर था, बाबर का बेटा था अकबर  
था गुप्तवंश में राज किया, रजिया बेगन ने भारत पर।

तैमूर लेग सबसे पहले, दुश्मन की टांग तोड़ता था  
कहते हैं शेरशाह अपने घर, सौ निलंगे रोज फोड़ता था  
चीन देश में हिटलर, दो घंटे रोज नाचता था  
औरंगजेब रंग में आकर, औरों की जेब काटता था  
हो गया एग्जामिनर पागल सा, मेरी कॉपी देख देखकर  
बोला सारे छात्रों में बस, इंटेलीजेन्ट है यही एक।  
औरो के पेपर फेंक दिए, मेरे सब उत्तर छंट लिए  
जीरो अंक देकर के, बाकी सब अंक काट लिए।

जितेन्द्र सिंह राठी  
चतुर्थ वर्ष, सिविल अभियांत्रिकी



## एक जिन्दगी मेरी भी

सोचो! एक जिन्दगी मेरी भी,  
दुःख भरे समाज में एक कम्पनी मेरी भी  
तूफानों से लड़ने की एक ख्वाहिश मेरी भी,  
सपनों को संजोने की एक कोशिश मेरी भी  
रो कर हँसने की एक चाहत मेरी भी,  
माँ की ममता अपनों का प्यार पाने की  
समाज में अपनी पहचान बनाने की,

सोचो! एक जिन्दगी मेरी भी  
मेरे सपनों को बनने से पहले तोड़ा जिसने,  
राहों को बनने से पहले रोका जिसने  
जिन्दगी को आपने से पहले मारा जिसने  
मजिल को पाने से पहले छिना जिसने  
सजा उन जालिमों को देने की,  
एक कोशिश मेरी भी  
अपराधों को मिटाने की, एक पहल मेरी भी  
सोचो! एक जिन्दगी मेरी भी, एक जिन्दगी मेरी भी

दीपिका कंवर  
तृतीय वर्ष, सूचना अभियांत्रिकी

## कविता

कवि के मन का ख्याल है कविता,  
उसके संसार देखने का नजरिया है कविता  
उसकी कलम में छुपा उसका साम्राज्य है कविता,  
कवि के विचारों का सुन्दर निराकरण है कविता  
कविता लिखने बाद कवि का मन मानों,  
मोक्ष प्राप्ति का एहसास था।

मुश्किल राहों के राही को मजिल और  
कविता के साथ रिश्ते की और मजबूती  
समाज की दृष्टि से – उनका सुखद मनोरंजन है कविता  
जागरूकता का एक एहसास है कविता,  
प्रकृति का मनमोहक सार है कविता  
कविता की तरह उनका ढलना है कविता।

अयुष कोठारी  
प्रथम वर्ष, सूचना अभियांत्रिकी

## सही रास्ता

रुक जा बंधु, देख तो ले, कहाँ जा रहा है तु।  
क्या इन्हीं अजब राहों में भटकने आया था, तु।  
सोचा तो था, सुझ-बूझ से मेहनत करूँगा,  
स्वर्ग से सुन्दर, अपना जहाँ बनाऊँगा।  
ऐसे-वैसे, चाहे जैसे, हर धरती को कर दूँगा खुशहाल,  
ऐसी-ऐसी खोज करूँगा, हर चेहरे पर होगी मुस्कान।

बच्चा-बच्चा सुविधा मे होगा, नहीं होगा कोई बीमार,  
महिला-पुरुष, हर किसी को अपना सपना सच करने का होगा अधिकार।  
ऐसी जुगत लगाई, एक कर दिये धरती-आकाश,  
पर देख तो ले, जो सोचा था, वैसा ही है ये आज ?  
निरखेगा तो पायेगा, वैसा नहीं है, ये वृक्ष,  
लगता था बोया तो अमृत है, पर उग आया है कुछ।

मिली तुझे थी, स्वच्छ धरा, जल और आकाश,  
अनजाने में ही सही, पर कर डाला सब बेकार।  
बरसों गंवा कर जमा किये, साजो सामान,  
ये है क्या ? लोहा-लकड़,  
पीली धातु और कागज के टुकड़े दो चार।

ना कलकल करती नदियाँ बची है,  
ना हरियाली से लदे पड़े है जंगल और बाग,  
ना ऊँचे पर्वत बचे है और ना गाती गौरव्या हर डाल।  
ज्यादा क्या गिनाऊँ, बच्चे भी है मन से बीमार,  
भूख प्यास सब छूटी, नहीं रहा तेरा कोई परिवार।

चल उठ, फिर से देखें, कहाँ रह गया सही रास्ता और सही द्वार,  
शायद तू भूल गया था, अंतर जरूरत और लालच के बीच।  
मत दो बच्चों को सुविधा, बस दे दो उनको संस्कार,  
सिखलादों मन की दृढ़ता और खुशहाली का राज।  
यही रास्ता ले जायेगा तुझको, मुझको, सबको उस पार,  
जहाँ फिर धरा होगी हरी-भरी और स्वच्छ जल अपार।

डॉ. प्रमिला कुमावत  
गणित विभाग



# THE TREND SETTERS



## FIRST ROW (LEFT TO RIGHT)

Prof. M. L. Bhargava (Advisor), Prof. (Dr.) S.K. Calla, Director (D&W), Prof. Ramesh Kumar Pachar (Principal),  
Mr. Jaipal Meel (Director), Mrs. Rachana Meel (Registrar), Prof. (Dr.) S.L. Surana, Director (Academics),  
Dr. Neha Purohit (Editor-in-Chief), Mr. I.B. Abrol (Co-editor), Dr. Lalit Gehlot (Co-editor), Ms. Maneesha Kaushik (Co-editor)

## SECOND ROW (LEFT TO RIGHT)

Ritwik Krishnatri (II B.Tech., Dept. of IT), Aakarshak Singh Jasrotiya (IV B.Tech., Dept. of IT),  
Kunal Adwani (I B.Tech., Dept. of ME), Karan Bari (III B.Tech., Dept. of EE), Meenal Sharma (III B.Tech., Dept. of CS),  
Kriti Tuteja (III B.Tech., Dept. of CS), Vishakha Bhandari (IV B.Tech., Dept. of CE), Tanvi Jhamb (IV B.Tech., Dept. of CS),  
Vinayak Sharma (III B.Tech., Dept. of EC), Dushyant Acharya (III B.Tech., Dept. of ME)



Write in to:  
edskit@gmail.com • edskit@yahoo.com



SKIT CAMPUS, JAIPUR







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

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

**SWAMI KESHVANAND INSTITUTE OF PHARMACY**

*Approved by PCI, AICTE & Affiliated to RUHS, Jaipur*

Ramnagaria, Jagatpura, Jaipur - 302 017, Rajasthan, India  
Phone No : +91 141 516 0400, 275 2165, 275 2167, 275 9609  
Fax : +91 141 275 9555 | Email : info@skit.ac.in

[www.skit.ac.in](http://www.skit.ac.in)

---

**TOLL FREE : 1800-200-5111**

---

DOWNLOAD THE SKIT APP :

