THE SKIT TIMES

ISSUE 34

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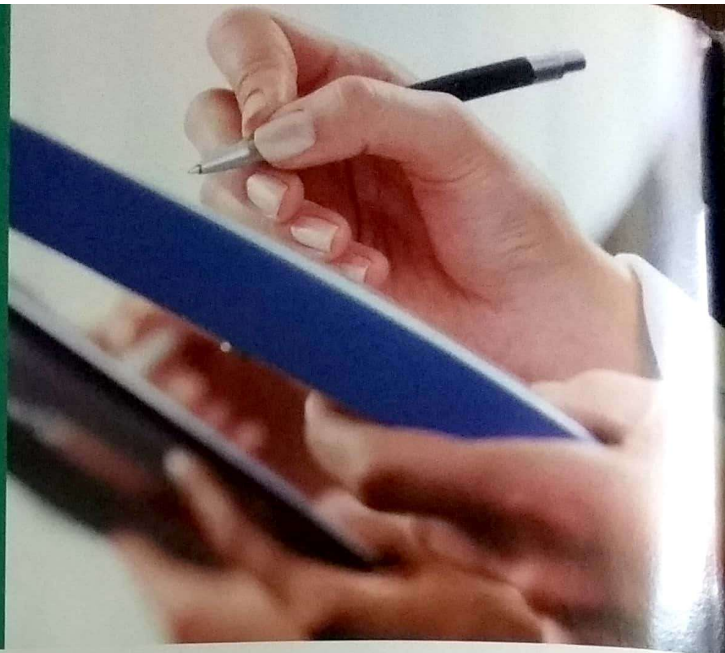
SKIT

SWAMI KESHVANAND INSTITUTE
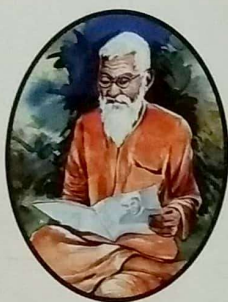OF TECHNOLOGY, MANAGEMENT
& GRAMOTHAN

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

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(1883 - 1972)

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Prof. (Dr.) S.L. Surana
Director (Academics)
SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY MANAGEMENT & GRAMOTHAN
Ramnagaria, Jagatpura, Jaipur-17 (Raj.) India
Tel.: 0141-2752165, 2752167 • Fax: 2759555
Website: www.skit.ac.in • Email: info@skit.ac.in
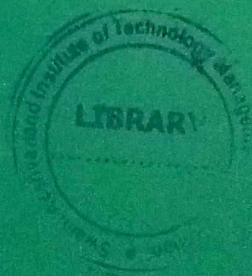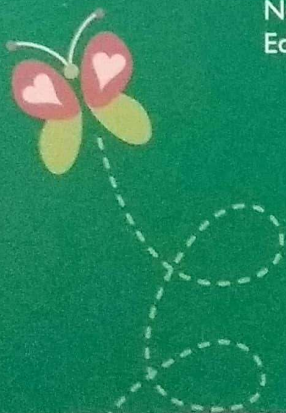
THE EDITOR SPEAKS

The Power of Expression

The noted American novelist, Earnest Hemingway, while lunching with his friends at a restaurant, once bet for 10 dollars that he could craft an entire story in six words. The friends had not heard of such a challenge before and considered the bet unrealistic and so readily accepted it. Hemingway then wrote: "For sale: baby shoes, never worn". The incident became monumental as it led to the concept of 'flash fiction', in which the writer tries to tell a story with the fewest possible words.

The purpose here, of course, is not to idolize a literary stalwart like Hemingway (he already surpasses that stature) but to highlight the power of expression that he displayed years ago. His subtle and controlled expression is the need of the present day. Unfortunately, human expression today is losing this grip and is marred by ugly slangs, shameful expletives and irrelevant references. This is not generalization but a real trend on most of the social networking sites. It is indeed shocking to see that the most beautiful adjectives are getting replaced by highly grotesque descriptions.

The reasons for this shift may vary from a blind imitation of the crowd to getting applauded for using trendy language. In some cases, the old habits that went unchecked get cemented with time and it becomes difficult to get rid of them. Nevertheless, it is never too late to change ourselves. The moment we realize the power of our expression, we move ahead in the direction of changing the environment around us. Our first impression may be our appearance but our long lasting impression is our expression.
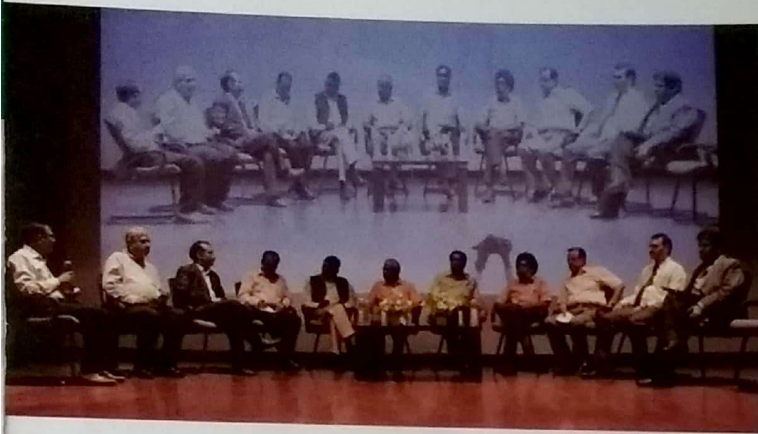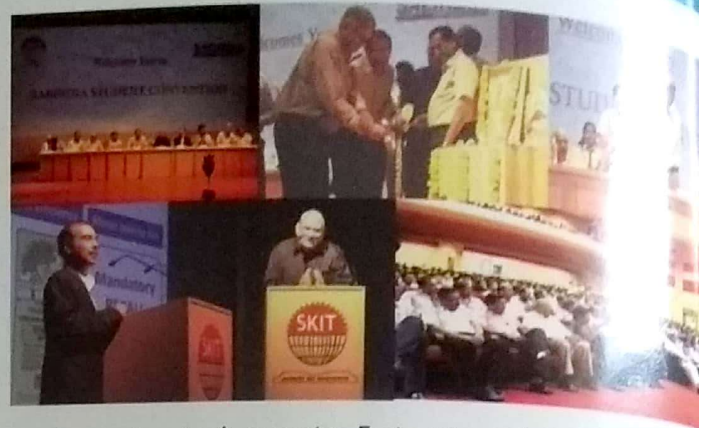
Neha Purohit
Editor-in-Chief

NEWS FLASH

SAE-INDIA STUDENT CONVENTION

The department of Mechanical Engineering organized SAE-INDIA Student Convention 2015 on 10th of October, 2015 at SKIT, Jaipur, which included speeches by eminent speakers from academic andautomotive sectors like IOCL, Maruti & Honda. The convention included various student activities like paper and poster competition, technical quiz, auto expo, and student project display. The faculty and student members of SAE-INDIA from various technical institutes participated in the convention.

The objectives of the convention were:
- To provide a platform to faculty members, researchers and students for presenting recent advances and future directions in Automotive Engineering.
- To provide an opportunity to faculty members for classroom

innovation, in Automotive Engineering and teaching-learning processes.
- To provide an opportunity to interact and collaborate with experts. Leaders and decision makers in the field of Automotive Engineering.

The show also hosted invited lectures from eminent speakers from the industry. There were three invited lectures by Mr. K. P. Panwar, GM, Minda on "Innovation Adapting To Change", by Mr.Shailendra Deopa, Manager, HVAC, MSIL on "HVAC Systems" and by Mr. P. Sakthivel, Sr. Research Officer, IOCL on "Alternate Fuels".

Further, there were gripping events like technical paper presentation, Auto Expo & Project Competition/Poster Competition, Open House Discussion and many more. The highlight of the show was an intriguing panel discussion by several worthy panelists from the industry and academia.

INVITED LECTURE @ ECO- FRIENDS CLUB

Prof. Vimal Bhanot, Former Professor, BITS, Pilani and an environmentalist, delivered a talk on 25th November, 2016 on the current environmental issues in one of the organized events of the Eco- friends Club. Prof. Bhanot focused his talk on the problem of waste disposal. His presentation also included some videos based on solid waste generated by the change in the human life style. Eco-friends Club has been an active club in pursuing activities related to environment. The club organized various activities in the past like: Selfie with Nature, Slogan Writing Competition, Best out of Waste and Poster Competition.

PRE-PRAVAH EVENTS

Pravah 2016 hosted manifold Pre-Pravah events that encompassed ideas form social responsibilities to wars of intellect. They tickled the creative side as well as entertained the literary soul with fascinating glimpses of students' ingenious ideas. Here is a report on some of the most highlighted Pre-Pravah events:

POETRY RECITATION COMPETITION
A Pre-Pravah event Poetry Recitation Competition was organized on 23 Oct.2015 at J.C. Bose Seminar Hall. This activity was organized to explore and hone the speaking skills and confidence in students .The students participated earnestly in the competition and recited their poems. The competition was judged by the eminent persons from Poetry Society of India. It was attended by the dignitaries

SKIT IDOL (Pre-Pravah Event)

including Prof. S. L. Surana, Director Academics and Prof. S. K. Calla, Director(D& W) .Dushyant and Nakul Goyal were adjudged the best for recitation. Saurabh , II year, EE and Jai Agrawal, IV Year, ME stood runner ups in the competition.

DRAMA COMPETITION

An inter-branch short-play competition was organized under the banner of Pre-Pravah events. The students from all branches staged their writing, acting and directing skills. The participants brought forth many social issues, sprinkled with various moods ranging from subtle sarcasm to mind- boggling complexities of human life. The event took place under the flagship of Dr. Nidhi Sharma, Reader, Department of English.

SKIT IDOL

Another Pre -Pravah event, SKIT IDOL 2015, witnessed a number of students all intrigued with the musical flair on display. It was organized in Gyan Mandir Auditorium on 4 Nov. 2015. The rhythm and the beats of solo singing competition resonated in the auditorium. The attendance and the response from the audience were overwhelming. 13 participants were judged by Dr. Niraja Sarswat , Mr. Neeraj Dhawan and Dr. Ona Ladiwal. The anchors were very eloquent and confident. All the participants sang with great confidence and spread an aura of pleasant harmony which captivated the audience. The singing was unparallel and the songs covered by participants gave them a new dimension. The first prize was bagged by Swaram Tripathi of First year whose melody dipped notes garnered everyone's attention. The second and third prizes were won by Shikha and Shrey Bijawat . The event was a huge success.

FREE MEDICAL CAMP AT TEETARIYA VILLAGE

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, in collaboration with Rotract Club , Jaipur, Bapu Nagar, organized a free medical camp at Teetariya as a Pre Pravah event on 29 Nov. 2015. Eminent doctors including Dr. Gaurav Sharma, Dr. Hemraj Khorwal , Dr. Kaushal Sharma, and Dr. C. S. Pokrana provided their services for the camp. The village was adopted by Pravah Team and several issues pertaining to the problems of the villagers were addressed by the team.

Almost 400 villagers participated in the camp which was organized at Govt. Higher Secondary School, Teetariya. Dr. S.K. Calla Director (D&W) commended such philanthropic efforts and felicitated the doctors. Dr. Sudha Calla , Head, B. Tech. I year, Dr. Prabha Luhadia , senior female gynecologist , Dr. Niraja Saraswat, Chief Coordinator,

PRAVAH, Dr. Krishna Dayal Sharma, Er. Anirudh Mathur, Ms. Deepa Sarabhai were also present on the occasion. Pravah team members with their enthusiastic participation made the programme a huge success.
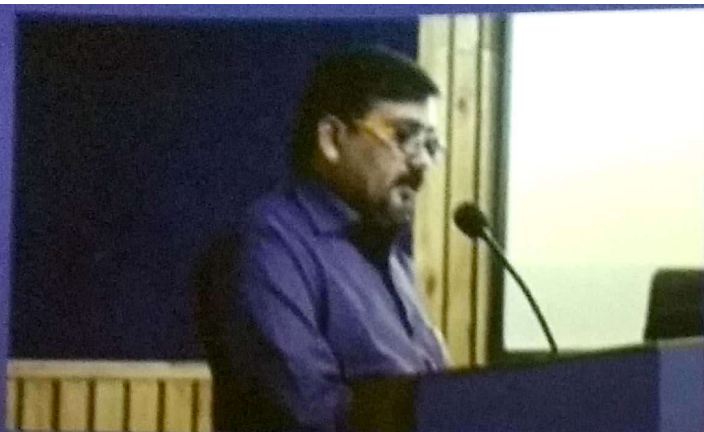
DEBATE COMPETITION

An intra-college debate competition was organized at SKIT , JAIPUR on 2 December, 2015 under the aegis of Pravah-2016.The competition was coordinated by Dr. Shikha Agarwal, Sr. Lecturer, department of English and Ms. Geetika Patni, Lecturer, department of English. The student coordinators were Vinayak Sharma ,2nd year ECE branch and Dushyant Acharya 2nd year, ME branch. The topic

of debate was 'Value Crisis Amongst the Youth is Responsible for Lack of Honesty in Society.' This competition was organized as an endeavor to create awareness amongst the youth about preventive vigilance and importance of moral values and strong character. The Pre-Pravah event witnessed maximum participation from students who expressed their views on the topic. The performance was assessed by Dr. Nidhi Sharma, Reader, Dept. of English. Rahul Soni ,2nd year EE branch grabbed the first prize. Kartikeya Garg,1st year CSE branch and Divesh Sharma, 2nd year EE branch stood second and third in the competition.

CANCER AWARENESS SEMINAR

The much awaited seminar on cancer awareness was organized on 9 December at 1:30pm in J.C Bose Seminar Hall. The Pravah team organized an address by the eminent doctor, Dr. Naresh Soni from Fortis Hospital on the theme of Cancer Awareness. The event was planned as a social Pre- Pravah event. Doctor Soni encourageded the audience to abstain from smoking, drinking and suggested them

to follow a healthy life style. He shared the causes of this lethal disease and expressed his concern over the growing number of patients. A large number of faculty members and students attended the programme and put forward their queries regarding the disease. At the end Dr. S.K. Calla , Director(D& W) proposed a vote of thanks and emphasized upon the need of organizing more such programmes.

INSTALLATION OF WATER PURIFICATION SYSTEM BY SKITIANS

As a step to forward the cause of Gramotkarsh, the social welfare team of SKIT Pravah 2016 , added another milestone on Saturday 30th Jan. 2016, in the village Teetariya. The Gramotkarsh Team installed a domestic Water Purification System in Govt. Senior Secondary School of Teetariya. The members organized a workshop and almost 300 students were benefitted by it. The system is not only cost effective but also easy to operate.

The functioning and the maintenance of the system was elaborately explained by the students. It provided a practical exposure to the students as well as the villagers who enthusiastically participated in the workshop. All the teachers, students and villagers appreciated the effort and promised to take care of it and assured to manufacture more such plants by themselves. 4 to 5 systems are yet to be installed by the team. It is noteworthy that the Pravah team has adopted Teetaiya village and has initiated several developmental projects.

SKETCHING COMPETITION

In continuation of the events held under the banner of the Pre-Pravah events and Swami Keshvanand Jayanti, a Sketch and Portrait Competition was conducted on 17th Feb'16 at Drawing Hall, Fourth Floor, Civil Block. This event was organized by Dr. Komal Sharma, Dr. Manasvi Dixit, Mr. Ajay Sharma and student coordinators of non-technical events. Dr. Pramila Kumawat and Mr.Shubham Kumawat were the judges for these events. Total thirty one students participated in these events.

SURKSHETRA: DUET SINGING COMPETITION

The Pravah Team organized an Inter College Duet Singing Competition on 17 February in Gyan Mandir auditorium. The competition was a real success and students came up with some nice old melodies. They were seen enjoying each and every performance that led to a great encouragement to the participants resulting in producing an even better output. The judges for the competition were Mr. Sarfaraz Nawaz, Reader, EE and Ms. Chitra Manro, Lecturer, Physics. Swaram Tripathi and Love Khatod won the winners' trophy. The runners' trophy was grabbed jointly by Himanshu Parmar and Alok Raj.

PANEL DISCUSSION

HSS students, under the guidance of Dr. Nidhi Sharma, organised a Pre- Pravah literary event on the birthday of Swami Keshvanandji. The event started by showing the glimpse of Swami Keshvanandji, his beliefs and ideologies and headed towards a panel discussion on Indian Democracy 'Old Challenges New Actors 'where students participated in the discussion and threw light on the hurdles that are all disrupting the society and suggested solutions.

In the gracious presence of Prof. Dr S. L. Surana (Director, Academics) and Dr. S. K. Calla (Director, Development and Welfare), the moderator Sahil Chaudhary initiated the discussion with the problems that are faced by our country. The panelists felt the need of uncorrupt leaders to lead thepopulation of 1.2 billion people. They firmly supported the work of our Prime Minister Mr. Modi in improving the international relations as a result of which FDI is increasing rapidly in the country. The initiative like digital India and lot more were appreciated and the actual role of media and what all it has been doing was discussed. The panel discussion was concluded by stating "We are the ultimate source of power and our county's success or failure depends on our wisdom, consciousness and vigilance."

CYBER SECURITY AND FORENSICS: A WORKSHOP

The Department of Computer Science and Engineering organized the pre-conference workshop on 26thNov.2015.The workshop aimed to bring a box- full of knowledge on recent advancements in the domain of computer science. The workshop witnessed the benign presence of various eminent speakers like Prof. (Dr.) K. Subramanian (Executive Vice Chairperson, IEEE Delhi Section), Prof. (Dr.) Murali M. Rao (Chairperson-Computer Society & Member (ex-officio), IEEE Delhi Section and Joint Director, IGNOU), Mr. Samir Datt (Forensics Guru & CEO, Digital Forensics), Mr. Pawan Duggal (Cyber Law Specialist, Supreme Court Lawyer & President Cyber Law Association-Asia Pacific).The purpose of the workshop basically aimed at providing a platform for an exchange of technical innovations for the budding engineers and also probing at the measures as to how the next generation applications need security from the growing crimes in society.

The workshop included invited talks by various experts on forensics tool and technologies, network security, applications and web security. Thus, the workshop became a great success inspiring the young budding engineers about the importance of cyber security.

NATIONAL CONFERENCE ON EMERGING TECHNOLOGIES IN COMPUTER ENGINEERING

The department of Computer Science and Engineering successfully conducted a National conference on Emerging Technologies in Computer Engineering with the technical co-sponsorship from the institution of Engineers and in association with HCL on 27-28 Nov, 2015. Besides taking a stock of the progress made by India in technology, the conference also aimed to deliberate on the enabling infrastructure,policies and resources as well as to identify the critical success factors that build and sustain initiatives in the field. The conference included focused panel discussions and sessions providing a unique opportunity to participants to share knowledge, information, views and network with peers and experts from many parts of the country.
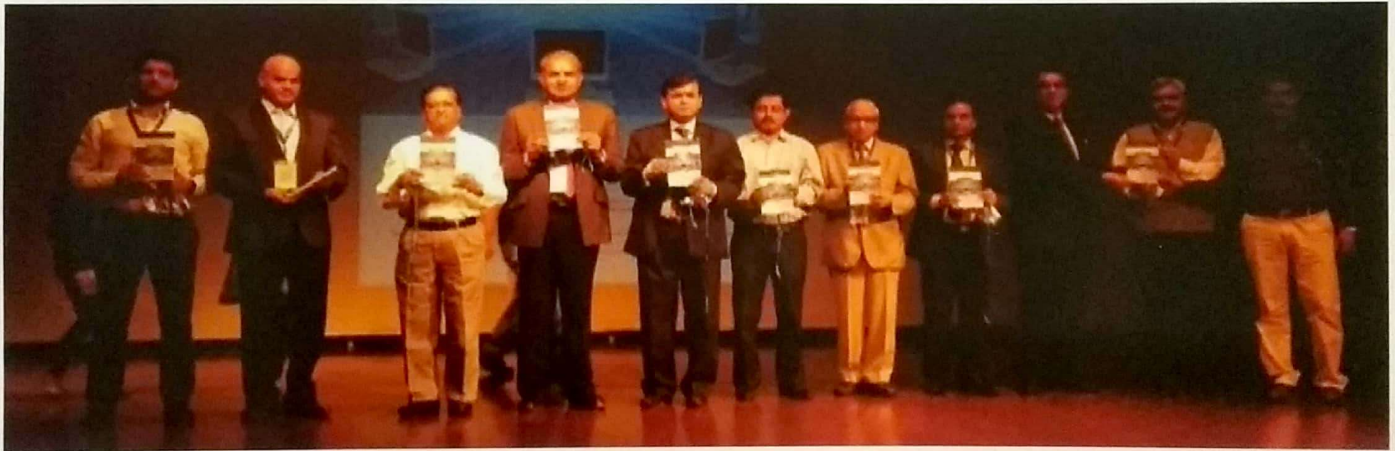
The inaugural ceremony was allured by the presence Shri Bhaskar A. Sawant (Chairman & Managing Director, Jaipur Vidyut Vitran Nigam Ltd. and Chairman Discoms, Jaipur) , Mr. Ripudaman (Director, Natural Group),Mr. K Subramanian (Chairperson CS Chapter ,IEEE Delhi Section) ,Mr. Sovan Biswas (Delivery Manager, Infosys Ltd.) and Mr. Sandeep Kumar (Country Manager, Client Technical Architects, Infrastructure Services-GTS, IBM India Pvt. Ltd.) .

Shri Surja Ram Meel, Chairman SKIT, extended a hearty welcome to the dignitaries and emphasized on the theme of the conference.

The Guest of Honour, Shri Bhaskar A. Sawant (Chairman & Managing Director, Jaipur Vidyut Vitran Nigam Ltd and Chairman Discoms, Jaipur) spelled out the importance of the latest computer technologies. Mr. Ripudaman (Director, Natural Group) gave an introductory speech briefing about the themes of the two day conference. This followed the motivational words by Prof. Dr. K Subramanian (Chairperson CS Chapter ,IEEE Delhi Section) and Mr. Sovan Biswas (Delivery Manager, Infosys Ltd.). Mr. Sandeep Kumar (Country Manager, Client Technical Architects, Infrastructure Services-GTS, IBM India Pvt. Ltd.

The other esteemed guests and speakers for different sessions were: Dr. A Murali M Rao, Mr. Sandeep Kumar (Country Manager, Client Technical Architects, Infrastructure Services-GTS, IBM India Pvt. Ltd.), Dr. Sumit Srivastava, (Consultant Software Pvt. Ltd.), Dr. Kavita Choudhary, Associate Professor (CSE) J. K Lakshmipat University (JKLU), Mr. Rupesh Jain (Practice Manager,WIPRO technologies) and many more. The sessions held more than fifty presentations.

Finally, the two-day conference ended with a valedictory ceremony where Prof. Dr. S K Calla, Director (D&W), SKIT, proposed a vote of thanks to the guests and wished the students a bright future. The Guests of Honour along with other dignitaries gave prizes and certificates to the winners. Prof. Anil Chaudhary, HOD, IT pointed out that the discussions and deliberation in the conference showed new light and faith in strength of partnerships for a better development in computer sciences.

INDUSTRIAL TOURS FOR III YEAR STUDENTS

The Students of III year from the Computer Science, IT, Electronics and Communication, Electrical Engineering, Mechanical Engineering and Civil Engineering branches completed their industrial tours to various industries of repute in the months of December and January. The tours were efficiently coordinated by the faculty members of the respective departments. These tours contributed a first-hand experience to the future engineers about the modus operandi of the industries they wish to work for. All the trips accommodated spaces for site- seeing and strengthening bonds with each other through fun- filled activities.

REPUBLIC DAY CELEBRATION

The institute celebrated the 66th Republic Day with great fervour in an atmosphere of patriotism and veneration for the freedom fighters. The celebration began with the tricolor hoisting ceremony. Mr. Surja Ram Meel, Chairman, SKIT, expressed his concern over the deterioration of moral values in the young generation. He also enumerated principles to be successful in life. He urged the students to take up more challenges in life. Prof. Dr. S. L. Surana, Director Academics,SKIT extended his good wishes on the day. He exhorted the students to overcome their weaknesses and work hard to realize their dreams. Shri. Anil Bafna, Vice Chairman, SKIT urged the students to value their time and utilize it properly. Prof. N. K. Banthiya, Head, Dept. of Mechanical Engineering, proposed a vote of thanks and also stressed on the importance of ethics in any profession. The celebration also showcased a cultural programme put up by the students in praise of our freedom fighters. Before a formal end to the programme, the administration and management honoured the members of the SKIT Research Journal and the faculty members who got their papers published during the previous session. The ceremony ended with the distribution of sweets to all.

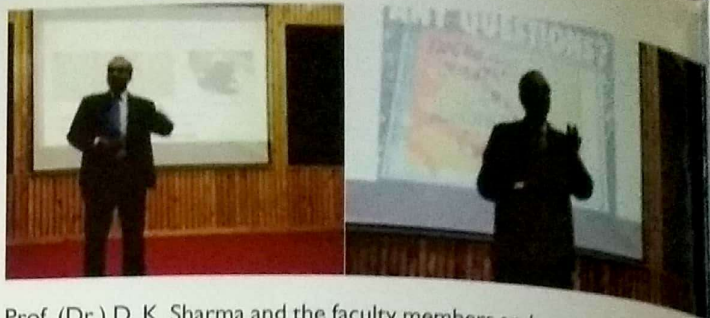# STRESS MANAGEMENT IN PROFESSIONAL LIFE: A TALK

Stress management in professional life involves changing a stressful situation and reconstructing the productive time after relaxation. On 13th January, 2016, Er. D.K.S. Meel, Retd. ADG (DGLL), Ministry of Shipping, Govt. of India visited the Department of Mechanical Engineering, SKIT and interacted and shared with students his experiences in his professional career. According to Er.Meel, the first step in managing stress is recognizing it in our life. Everyone feels stressed out in different ways. We may get angry or irritable, lose sleep, or have headaches or get the stomach upset. Once we know what signals to look for, we can start managing it. If our stress comes from taking on too much at home or work, we must learn to set limits. Er. Meel also maintained that we should not refrain from asking others for help when we need it. One should not let stress get in the way of being social. Spending time with family and friends can help us feel better. Confiding in a friend may also help us work out our problems.

EXPERT LECTURES ON 3-D MODELING & ASSEMBLY USING CREO SOFTWARE

Expert lectures on 3-D Modeling and Assembly using Creo software were delivered for the students of Mechanical Engineering from 18th to 23th January, 2016 by Mr. Vishal Sharma, Member, PROCAD Institute, Jaipur. Designed as a three hour tutorial for each batch (A, B, S) of 8th Semester, the lecture took place during the regular schedule of the CAD Lab.

EXPERT LECTURE AT THE DEPT. OF CIVIL ENGINEERING

The department of Civil Engineering successfully conducted an expert lecture on 'Importance of Hot Mix Asphalt Design' on Monday, 18 January 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. Datt (Head, CE),

Prof. (Dr.) D. K. Sharma and the faculty members and students of the department. It was aimed at enhancing the knowledge about the design concept of different pavement layers along with the components of HMA (Hot Mix Asphalt). Along with the students of SKIT, the students from Kautilya Institute of Technology and Engineering and Anand International College of Engineering also attended the lecture. Dr. Rajan stressed on the testing procedures for various materials used in the pavement construction and advised the students to utilize the laboratory infrastructure to the maximum. He also brought forth the fact that the quality of pavement contributes a lot in the progress of a nation and exhorted the audience to maintain and ensure quality control measures of the construction. At the end, he advised the students to prepare micro projects and enhance their learning capabilities. Definitely, this interface unveiled the practical challenges encountered in this process and highlighted the importance of design concept of different pavement layers. The programme was compered by Mr. Anirudh Mathur (Sr. Lecturer, CE).

SEMINAR BY MBA DEPARTMENT

The Department of Management Studies successfully conducted a seminar on Ease of Doing Business for Higher Productivity and Sustainable Growth on 18th February, 2016, in collaboration with IIM-AAA and RSPC. Dr. K.L Jain, Hon. Secretary General, Rajasthan Chamber of Commerce & Industry was the Chief Guest and Key Speaker. Padmabushan (Dr.) V.S Vyas, Former Director, IIM-A and RBI, chaired the session. A quiz on productivity and management was also organized on the occasion & winners were awarded with cash prizes.

TECH INNOVA CLUB

The Tech-Innova Club operating under the aegis of Computer Science & Information Technology Department has been amongst the most regular and popular clubs of the college. The club in the bygone months organized many activities under three divisions:

1. Software Development

The software development division is headed by Gaurav Agarwal and Himanshu Tongya. The club has been one of the most popular ones in the college where students are being taught the C Language & Programming fundamentals in order to develop softwares. The curriculum of the club includes PYTHON for 2nd semester.

The division has a record number of members i.e. 145.

The club has organized 4 programming competitions so far on www.hackerearth.com for its members whose winners are:
Code-Hack 1B – Khushahal Joshi (CS – 1st Shift II Year)
Code-Hack 2B – Chirag Thawani (CS – 1st Shift I Year)
Code-Hack 5A – Saurabh Agarwal (CS – 1st Shift III Year)
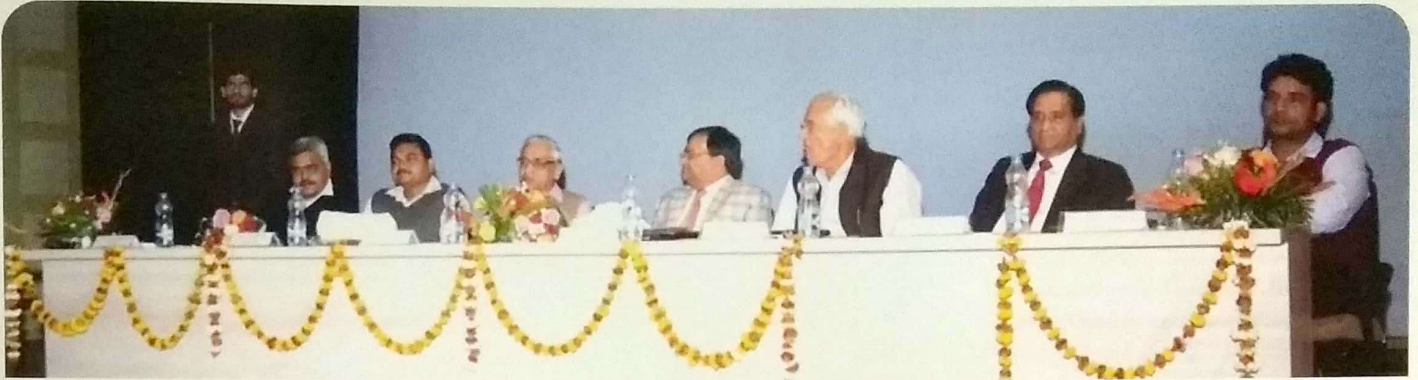Code-Hack 3B – Ayush Pachori (CS – 2nd Shift IV Year)

2. ETHICAL HACKING

The ethical hacking division is headed by Kshitij Singh Rathore and has been the spot of popular interest among students. The division has a vision to train its members on the security challenges, loopholes and security audits. It also teaches the members the current ongoing trends in the domain of Information Security around the world along with basic hacking tricks which are completely ethical.

3. WEB DEVELOPMENT

The division is headed by Gaurav Agarwal and the club mentors are Milind Sharma and Hari Singh. This club division aims to train its members for the latest web technologies, including HTML5, CSS3, JS, Jquery, AJAX and also for backend scripting using PHP.

SRISHTI: A GREEN CAMPUS INITIATIVE

SKIT recently celebrated the spirit of Green Campus initiative through SRISHTI, an event organized to mark the beginning of turning the campus into an energy efficient abode. Dr. A.K. Jain, MD, RIEL, graced the occasion as the Chief Guest with Captain Deepak Gupta, Dy. Director, PCRA, as the special guest for the occasion. Sh. Raja Ram Meel welcomed the gathering and expressed a profound sense of gratification on the progress of the institute and such initiatives as making a green campus. Mr. Jaipal Meel, Director, SKIT, expressed that the renewable energy usage is the need of the hour and an important step for our coming generations. He promised to make the campus an energy efficient premise. Dr S.L. Surana, Director Academics, SKIT, threw light on the importance of rain water harvesting system, waste water management system and the solar power plant with a special reference to SKIT.

Dr S. N. Vijayvargiya, Dean, (R&D), SKIT, threw light on the levels of SRISHTI and the upcoming plans to be undertaken by the college. Capt. Deepak Gupta congratulated the institute for the installation of the solar plant system in the college and declared SKIT as a partner institute with PCRA for venturing into renewable energy utilisation initiatives. Mr A.K. Jain proudly added that the institute is now ready to face the challenges of a Smart City. He also emphasised on the need of efficient lighting system by increasing the use of power efficient LED lights. The programme ended with promises abound with effective execution of the plan.

E- YANTRA WORKSHOP ON INTRODUCTION TO ROBOTICS

A team of four faculty members participated in e-yantra workshop on the topic Introduction to Robotics organised by IIT Bombay at MGM'S College of Engineering & Technology, Noida, on 5th and 6th February, 2016. This workshop was a pre activity related to e-yantra laboratory establishment.

The topics covered in the workshop were:
- Introduction to Fire Bird V robot.
- Introduction to AVR Micro- Controller & Programming environment.
- Motion Control using I/O ports.
- Introduction to LCD interfacing.
- Robot velocity control using pulse width modulation.
- Display of Data Array of eight elements on LCD.
- Analog sensor interfacing using Analog to Digital Convertor.
- Robot programming for white line following.

After the quiz and feedback session, a robotic kit was provided to the SKIT team. The team members participated in workshop were: Mr.

Praveen Saraswat, Sr. Lecturer ME, Mr. Manoj Kumar Sain, Reader ME, Ms. Vineeta Agrawal, Reader, ECE & Mr. Pallav Rawal, Lecturer, ECE.

LAURELS FOR THE PLACEMENT CELL

The sustained efforts by T&P cell and CDC have borne fruitful outcomes in the domain of campus drives and raising the placement figures this year. All in all, 466 job offers have been achieved on campus for the 2016 batch students. This number is about to shoot up by the end of this semester.

Numerous training initiatives are streaming to prepare students for placements in the companies of repute. A sustained Campus Recruitment Training has been conducted successfully for the students of VI semester of Civil, Electrical and Electronics Departments. A similar training for the students of Computer Science, IT and Mechanical Departments is likely to culminate in the Month of April. Numerous short term training programmes for the final year students have been conducted successfully, bearing good results. FACE, TIME and Athena are a few names associated with the institute for these training modules to be conducted on campus. In

all, the CDC has trained nearly 800 students of VIII semester and another 950 of the VI semester this year. The break-up of some of the offers made with company names are as under:

Name of the Company/Industry	No. of Selection	Package
Soctronics Technologies	10	3 to 6
Polycab Wires Pvt. Ltd.	04	3.00
Ericsson	02	2.40
Infosys	137	3.28
Cognizant	180	3.36
DRDO	01	5.00
Infostretch Solutions Pvt. Ltd.	01	3.00
Innoraft Solutions Pvt. Ltd.	04	3.60
Capgemini-iGATE	38	3.15
AdarshPrime Group	09	3.18
AppPerfect	02	4.80
AppPerfect	01	4.20
Infogain India Pvt. Ltd.	15	4.00
Tayana Software Solutions	03	3.00
Tega Industries Ltd	03	3.10
Nagarro Software Pvt. Ltd	01	3.00
Sanmax Technologies	02	2.50
Sanmax Inc	01	2.50
PortWeb Philippines	01	6.00
Sankalp Builder	05	1.5to3.00
Teleperformance	05	2.50
Thrillophilia.com	14	3.00
Aashish Group	27	3.00

NET ZERO POLE AT SKIT

The net zero pole is an R&D project which has been installed at the campus to spur innovation. It was inaugurated on 8th February at SKIT campus by the Chairman, SKIT, Shri Surja Ram Meel. He was accompanied by Captain Deepak Gupta, Dy. Director, PCRA, Dr. S.L Surana, Director Academics & Dr. S.K Calla, Director D&W, SKIT. The net zero pole is a concept where a led based light consumes the grid energy during the night time, and the same energy transfers to grid during the day. It uses the solar panel, a micro inverter and a bidirectional net meter. The solar panel gives the DC current by using the rays of sunlight. The online grid inverter converts the DC into AC and then it reaches the grid immediately. Before the grid line, it uses a net meter, a bidirectional meter which shows the rating of import and export. During the day time, the energy is exported to grid, and at night the same energy is imported from the grid. This is a project of B.Tech final year electrical engineering students which has taken shape under the guidance of Mr Ashish Saini & Mr. Praveen Kumar Jain. PCRA (Petroleum conservation & research association) awarded certificates to the students associated with the project.

E-WEEK CELEBRATED

E-Week is one such euphoric initiative by Wadhwani Foundation's National Entrepreneurship Network which provides a platform for emerging entrepreneurs to showcase their innovative ideas. E-Week 2016 was centered on the theme "Innovative Ideas for a Better World" and was organized from 20th February, 2016 to 27th February, 2016. The convener of E-Week'16 was Ms. Maneesha Kaushik. The event witnessed the involvement of around 7,00,000 participants across 30 cities of India. TOPAZ too was one of the active and enthusiastic participants of E-Week'16. The 8 days of E-Week'16 witnessed a Chain of activities, sessions, conclaves, seminars, workshops, outreach events, social entrepreneurship initiatives that were conducted to lay an emphasis on the development of essential dexterity among students so that they not just work upon their ideas but also implement them as well as know about the requirements of market and then work accordingly to transform their 'Innovative Ideas into a Better World'.

With sessions like Manthan: A Conclave of Women Entrepreneurs, The Empire of Young Entrepreneurs, PRAKALP: Tech-fest cum Exhibition, Idea Emporia, outreach events like Idea Marathon, Thunder Clap, Daastangoi (Ancient Method of Telling Stories) and with 95 FM Tadka as our Broadcast Partners, Team TOPAZ was able to approach around 30 lakh people with a listenership of around 12,00000+ across Jaipur, India and beyond. This E-Week'16, our esteemed guests included Shri. NarenBakshi, Serial Entrepreneur from Silicon Valley, Shri Rajiv Arora, Co-Founder, Amrapali Jewels, Mr. Aditya Kasliwal, Owner, Audi Jaipur, Mr. Puneet Sanghi, Owner, BMW Jaipur, leading women entrepreneurs like Ms. Shivangi

Kasliwal, Ms. Nisha Jain Grover, Ms. Sangeeta Maithel, Innovative Architect etc. who shared their journey and experiences and are duly an inspiration for all of us. The relentless toil paid back in the form of three prestigious awards:

1. E-Week Champion Award: For the ultimate champion of the North Region. This served as a reward for the year round activities and activities conducted during E-Week to make students enterprising and make them learn the essence of entrepreneurship.
2. Best Anthem Award: It was certainly a proud moment for Team to be announced as the winners of making the best video for the NEN Anthem.
3. Best Campus Company Award: For a venture turning into a well-established Campus Company.

NCSEAM - 2016

The Department of Chemistry organized a two-day National conference, sponsored by the Department of Science and Technology, Government of Rajasthan, on "Sustainable Engineering Applications of Material Science and Physico–Chemical Innovations" on February 26-27, 2016.

The inauguration ceremony opened with the welcome note by Mr. Jaipal Meel, Director, SKIT. Prof. S.L. Surana, Director (Academics), SKIT, briefed the gathering about SKIT and its research initiatives. Prof. Archana Saxena Head, Chem. Dept. SKIT, acquainted the audience with the details of the conference. There were two Keynote Addresses by the honoured guests, Mr. Yatinder Suri, (IIT Kharagpur alumnus), MD & Country Head Outokumpu India Private Limited and Prof. P.K. Khanna, Chief Scientist, CEERI Pilani. The chairperson for this keynote session was Prof. S.K. Bhatnagar, Director Research and Head, ECE Department, SKIT. Mr. Yatinder Suri delivered the lecture on 'Corrosion Mitigation through Sustainable Materials with a special reference to Stainless Steel'. Prof. P.K. Khanna shared the information on 'Smart Materials and Recent Developments for Engineering Applications'. Other eminent speakers of different sessions and delegates from various universities and institutions graced the occasion and shared their research contributions. The next two sessions witnessed expert lectures by Prof. Satish Awasthi, Professor Chemistry Dept., Delhi University, and Prof. Y.K. Vijay, President VGU, Jaipur. Dr. Sharda Soni, Convenor of the conference, proposed the vote of thanks.

On 27 February, Dr. Meena Nagar, UOR, Jaipur, delivered a talk on "Formation of Nano Ceramic Material by Different Synthetic Modes". Mr. Sunil Saxena, V.P, Ahluwalia Contract India Ltd. New Delhi, delivered a very informative lecture on "Light weight Casting Concrete". A panel discussion on "Materials used for Renewable Energy Production and Storage" brought the conference into an interactive flair. The valedictory session received eminent guests like Prof. R.P. Yadav, former V.C, RTU and Professor, Department of ECE, MNIT, Jaipur and Mr. R.S. Jain, Project Officer, DST, Rajasthan, Prof. S.L. Surana, Director (Acad.), SKIT, Prof. S.K Calla Director D&W, SKIT, Ms. Rachna Meel, Registrar, SKIT and Prof. Ramesh Kumar Pachar, Principal, SKIT congratulated the organizing team for a successful and fruitful completion of the two-day National Conference. Nearly hundred research papers were presented in the form of oral and poster presentations. The conference provided a platform to around 250 delegates.

TECH-FEST AT IIT BOMBAY

Two of our students Himanshu Tongya (3rd Year, CSE) and Himanshu Sharma (3rd Year, CSE) brought laurels by grabbing the 4th position in a coding competition held at IIT Bombay. There were two rounds in the competition. The first level called the Battle Code, was conducted at the zonal level organized by the Department of Mechanical Engineering at SKIT. Qualifying for the final round by achieving the 3rd position, the students with their outstanding performance and brilliant coding skills, achieved the 4th position for SKIT at the finale.

SESSIONS CHAIRED BY PROF. S.P GARG

Prof. S.P Garg, Dean, DMS, visited various institutes as a keynote speaker and chaired technical and penal sessions. He was the session chair on the penal discussion on "Structural transformation for business growth" at J.K Laxmipat University during the international conference on "Growth, Globalization & Governance: Promises & Challenges" on 23rd January 2016. While Chairing the panel session on "Union Budget 2016 and impact on Indian Economy and the future of MBA" organized by Poornima University on 19th March, Prof. Garg provided the features related to positive impact and mentoring tips on expectations from the future managers and their potential. Prof. Garg also contributed as a Key resource person to the workshop on "Strategic Contemporary Issues in Corporate World during 21st Century" held at NIAM, Jaipur in February 2016. Apart from these visits, Prof. Garg visited ICWAI Jaipur Chapter as the Chief Guest to inaugurate Orientation Programme of CMA batch and shared success mantra for corporate selection process, aptitude tests, interviews and other activities.

SPIC-MACAY PROGRAMME

Music is one such gift that never fails in touching the soul and mind. SKIT fraternity recently enjoyed this bliss through the SPIC-MACAY programme where renowned sitar player, Shri. Irshad Khan from Imdadkhani Gharana, filled the ambience with his majestic strokes on the sitar. Shri. Irshad Khan lives in Canada at present and visited SKIT for his special performance. He was accompanied on the tabla by Pt. Vinod Lele from the Benaras Gharana. The two maestros made the event an unforgettable experience.

FACULTY ENABLEMENT PROGRAM

Mr. Naveen Jain and Mr. Kanak Giri from the department of IT participated in a six day faculty Enablement Program on "Foundation Program 4.0". The FDP was conducted at Infosys, Chandigarh Development Centre in the month of January, 2016.

PROF. KRISHNA DAYAL SHARMA HONOURED

Prof. Krishna Dayal Sharma, Reader, department of English, has been honoured with an award, 'Vivekanand Gaurav Samman' for her significant contribution to higher education. The award was conferred to her by Rajasthan Yuva Chatra Sanstha, Jaipur on the 153rd birth anniversary of Swami Vivekanand.

INVITED TALKS

The department of Mechanical Engineering hosted invited talks on Detailing of Solid Model Using Creo Software from 5th to 11th February, 2016 by Mr.Nitin Choyal, CADD Centre, Jaipur. These talks were of three hour duration for each batch (A, B, S) of 8th Semester of Mechanical Engineering.

WEBINAR ON PHYTHON FUNDAMENTALS

The department of computer science organized a webinar on Phython Fundamentals in February and March 2016. In all 182 students and 28 members of faculty from the department participated in the programme

PRAVAH AND AAVEG INAUGRATED

The year-long awaited moment, Pravah 2016, marked its flying start with much fan fare. The event took place on February 29, 2016 with a resplendent aura of colourful lights gleaming all around. The entire venue was decorated with an impressive best out of waste pattern of decoration and added magnificence to the show. The programme witnessed the benign presence of Shri. Praveen Saraf, VC, Bosch, Shri. Rajendra Bhanawat, IAS and Shri Shivnarayan Kumar, a national level volleyball player. The guests expressed exhilaration for the well- managed show and enjoyed the cultural performances. A special performance by the students of Teetariya Government School won accolades for their special performance. The ceremony also gave a kick start to the annual sports fest- Aaveg 2016.

ACHIEVEMENTS OF THE SKIT SPORTS TEAM

SKIT's Sports team is doing a spectacular work in terms of representing the institute at various inter- collegiate and university levels. Here is a report on the different awards and achievements grabbed by the sports team under the competent guidance of Shri. Hiralal Chaudhary.

S.No	Event	Venue	Date	Achievement
1.	RTU University West Zone Basketball Tournament	Kota	7-12 January, 2016	WINNERS
2.	Tournament at Arya College	Jaipur	17 February, 2016	Badminton (girls)-WINNERS Basketball (girls)-WINNERS Basketball (boys)-RUNNERS-UP Table-Tennis -RUNNERS-UP
3.	Tournament at RIET College	Jaipur	22-24 February,2016	Volleyball (Boys)-WINNERS Basketball (Boys)-WINNERS Badminton (Boys)-WINNERS Badminton (Girls)-WINNERS
4.	Tournament at Gyan Vihar University	Jaipur	25-27 February, 2016	Cricket- Runners-Up
5.	RTU University West Zone Table-Tennis Tournament	Kota	22-25 February, 2016	WINNERS

RESEARCH PAPERS PUBLISHED

Title : Fractional Calculus Operator Associated With Wright's Function
Author : Dr. Vijay Kumar Singhal
Journal : SKIT RESEARCH JOURNAL, VOLUME 5, ISSUE 1(2015), 79-81, ISSN-2278-2508

Title : Applications of the Fractional Calculus Pertaining to Multivariable H-function
Author : Dr. Vijay Kumar Singhal
Journal : SKIT RESEARCH JOURNAL, VOLUME 5, ISSUE 1(2015), 79-81, ISSN-2278-2508

Title : Saigo Fractional Integral Associated with Wright's Function
Author : Dr. Vijay Kumar Singhal
Journal : Acta Ciencia Indica, Vol. XLIM, No.1(2015),61-66, ISSN-0970-0455

Title : Contingency Screening and Classification by Supervised Learning Models"
Author : Dr. Akash Saxena
Journal : Information Systems Design and Intelligent Applications (Springer) Volume 434 of the series Advances in Intelligent Systems and Computing, pp 327-335, ISBN-978-81-322-2752-6, Series ISSN:2194-5357

Title : Layer Recurrent Neural Network based Power System Load Forecasting
Author : Nikita Mittal and Akash Saxena
Journal : Telekomonika Indonesian Journal of Electrical Engineering. TELKOMNIKA Vol. 16, No. 3, December 2015: 423 - 430. (SCOPUS)

Title : A Least Square Support Vector Machine based Approach for Contingency Classification and Ranking in a Large Power System
Author : Bhanu Pratap Soni, Akash Saxena and Vikas Gupta
Journal : Cogent OA Engineering, Taylor and Francis, 19th January 2016. Available online http://dx.doi.org/10.1080/23311916.2015.1137201.ISSN 2331-1916

Title : Grey Wolf Optimizer based Regulator Design for Automatic Generation Control of Interconnected Power System
Author : Esha Gupta and Akash Saxena
Journal : Cogent OA Engineering, Taylor and Francis, 4th February 2016. http://dx.doi.org/ 10.1080/23311916.2016.1151612. ISSN 2331-1916

Title : Achievement of Large Normalized Delay Bandwidth Product by Exciting Electromagnetic-Induced Transparency in Plasmonic Waveguide
Author : Rukhsar Zafar, M.Salim
Journal : IEEE Journal Of Quantum Electronics, Vol. 51, No. 10, October 2015, (ISSN :0018-9197, doi: 10.1109/JQE.2015.2472979)

Title : Enhanced Figure of Merit in Plasmonic Refractive Index Sensor based on Fano Resonance
Author : Rukhsar Zafar, M.Salim

Journal : IEEE Sensors Journal, Vol. 15, No. 11, November 2015. (ISSN : 1530-437X, DOI:10.1109/JSEN.2015.2455534)

Title : Behavioral Response of Pyrite Structured Co0.2Fe0.8S2 Nano-Wires under High-Pressure up to 8 GPa-Mössbauer Spectroscopic and Electrical Resistivity Studies.
Author : Pooja Sharma, Lecturer, Department of Physics.
Journal : Journal of Physics and Chemistry of Solids, (Impact Factor: 1.85). Volume 89, November 2015.

Title : First Principle Study: Electronic Structure of (Ga-Al)- Codoped Zink Oxide
Author : Dr. R. K. Jain, Professor, Department of Physics
Journal : SKIT RESEARCH JOURNAL (An International Journal of Engineering, Science, Humanities and Management) ISSN 2278-2508, pp 65-67, Volume 5, Issue 2, 2015.

Title : Compact CPW Fed Broadband Planar Antenna with Improved Gain for WLAN & Wi-Max Application
Author : Pawan Kumar Jain, Lecturer, Department of Physics
Journal : SKIT RESEARCH JOURNAL (An International Journal of Engineering, Science, Humanities and Management) ISSN 2278-2508, pp 68-71, Volume 5, Issue 2, 2015.

Title : Voltage Stability Assessment Using the Concept of GVSM
Author : Ankit Kumar Sharma, Sarfaraz Nawaz, Dr. Rajiv Tiwari
Journal : IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331, Volume 10, Issue 6 Ver. I (Nov - Dec. 2015), PP 21-26

Title : Data Transmission and Reception using Text Steganography with Error Detection.
Author : Ms. Anjana Sangwan
Journal : International journal of Science Engineering and Technology

RESEARCH PAPERS PRESENTED

Title : Glass Transition Temperature Study and Structural Characterization of Swift Heavy ion Irradiated Polymers
Conference : National Conference on Thermo Physical Properties "NCTP-15"
Date: December 14-16, 2015
Venue: MNIT, Jaipur
Presenter : Dr. Manasvi Dixit

Title : A Brief Procedure for Ergonomic Design of Hand Tool for Small Scale Industries
Conference : International Conference on Humanizing Work and Work Environment-2015
Organised By : IIT Bombay and NITIE, Mumbai
Date : December 6, 2015

Attended by : Mr. Manoj Kumar Sain, Reader ME

Title : Supervised Learning Paradigm based on Least Squares Support Vector Machine for Contingency Ranking in a Large Power System
Conference : International Congress on Information and Communication Technology,.
Date : 9-10 October2015
Venue : Udaipur, Rajasthan
Presenter : Bhanu Pratap Soni, Akash Saxena & Vikas Gupta

Title : Support Vector Machine based Approach for Accurate Contingency Ranking in Power System
Conference: 12th IEEE- India International Conference Electronics Environment Electronics communication Computer and Control (Indicon), Indicon-2015,
Date : 20th December 2015
Venue : Jamia Milia Islamia, New Delhi
Presenter : Bhanu Pratap Soni, Akash Saxena & Vikas Gupta

Title : Poster Presentation on ANN Based Fault Detection algorithm
Conference : Workshop on smart grid and clean technology,
Date : 28thNovember,2015
Venue : Manipal University, Jaipur
Presenter : Purva Sharma, Deepak Saini, Ankush Tandon and Akash Saxena

Title : Poster Presentation on ANN based Contingency ranking of a Large Power system
Conference : Workshop on smart grid and clean technology
Date : 28thNovember, 2015
Venue : Manipal University, Jaipur
Presenter : Kuldeep Saini, Akash Saxena and S.A. Siddiqui

Title : Application of Support Vector Machines for Fast and Accurate Contingency Ranking in Large Power System
Conference : Third International Conference on information system design and intelligent applications
Date : 9th January 2016
Venue : Vishkhapattanam.
Presenter : Bhanu Pratap Soni, Akash Saxena & Vikas Gupta

Title : A One class support vector machine for sentiments analysis of movie review
Conference : International Conference on Computer Science and Software Engineering (ICCCSE-15)
Date : December 10-11, 2015
Venue : Sydney, Australia
Presenter : Dr. C.M.Choudhary

Title : The K-Means Clustering based Fuzzy Edge Detection Techniques on MRI Images,
Conference : 5th International Conference on Advances in Computing and Communications (ICACC-15)
Date : September 3-5, 2015
Venue : Rajagiri School of Engineering and Technology, Kochi
Presenter : Mr. Mukesh Gupta, Mr. Pankaj Dadheech

WORKSHOPS/CONFERENCES/ SEMINARS ATTENDED

Workshop : National Workshop on Recent Advancement in Microwaves, Antenna & Spectrum (RAMAS-2015)
Organized by : Govt. Mahila Engineering College, Ajmer
Date : Sept. 18-19, 2015
Attended by : Dr. Brajraj Sharma
Workshop : Application of Different Tools Used in Work Posture Assessment
Organised By : International Conference on Humanizing Work and Work Environment-2015
Hosted By : IIT Bombay and NITIE, Mumbai
Date : December 7, 2015
Attended by : Mr. Manoj Kumar Sain, Reader ME

Workshop : Annual Assessment and Coordination Meet for BEC Examiners
Organised By : Cambridge University, UK
Date : March 7, 2016
Attended by : Ms. Neha Purohit, Reader, Department of English.

BOOK PUBLISHED

Book : Power Generation
Authors : Mr.SudeshGargand Mr.KeshavJakhotia, Lecturer ME
Publisher : Ashirwad Publication

PHD AWARDED:

Ph.D. degree awarded to Ms. Pooja Sharma (Lecturer, Department of Physics, SKIT),
From University of Rajasthan, Jaipur in January 2016.
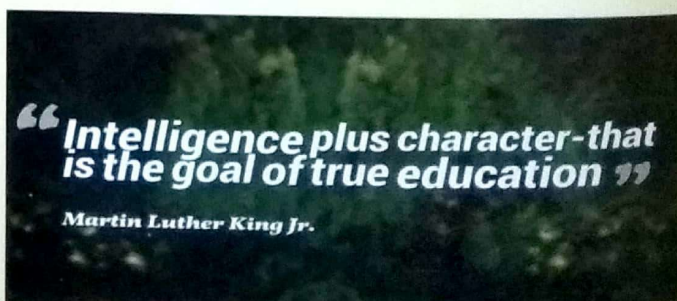**Title of Thesis:** Electrical Resistivity Measurements on Nanocrystalline (Fe, Ni) doped CoS_2 under High Pressure.

" Intelligence plus character-that is the goal of true education "
Martin Luther King Jr.

GYANDAN RESOURCE CENTRE

The Central Library, which is the heart of the Institute, was established in 2000. It provides one of the important academic services to the Institute. It is a well equipped library, centrally located with easy access and does provide right impetus for the intellectual growth of the students, teachers, research scholars & others around. Presently, the library is a part of the DHANVANTRI Block with 975 sq. meter area & having around 50,000 collections of documents (books, back volume of journals, standards, CD/DVDs, audio castsettetes etc.). The Central Library, with its modern collection of knowledge resources and innovative information services, performs an essential role for students, faculty, and the surrounding community in their intellectual pursuits. It is a hybrid library with state-of-the-art technological applications. It holds knowledge resources predominantly related to science and technology, social science & other allied subjects. The Library is now fully computerized with an integrated system connected to the Campus Network providing e-resource facility to the institutional community. The entire library collection including the CD-ROM databases and the online databases is made available through this network. Users can access the online databases through the Institute's network. OPAC can also be accessed through any terminal on the campus network. Library collection can also be searched through OPAC. The Library offers a range of information services to support the learning process set to the highest professional standards.

Libraries in SKIT	1 Central library with 7 departmental library
Total area of central library	975 Square Meter
Timing of Central Library	08:00 AM TO 08:PM (All Working Days)
Total volumes	38406
Print journals	90
E-journals	462
Magazines	32
Complementary periodicals	17
News papers	18
Collection of video lectures	9000
Collection of CD/DVDs	2066
Collection of audio cassettes	47
Collection of images(Soft format)	4082
Collection of albums(Hard Copy)	38
Theses & dissertations	143

LIBRARY FACILITIES & SERVICES

1. CIRCULATION -All the students, faculty members, and employees of the institute are normally entitled to membership of the library. Their entitlements in terms of number of books that they can borrow and the permissible loan period is given below:

Description	No. of Books	Period of Loan
Teaching Faculty	15	For whole semester
Non Teaching and Technical staff	5	For whole semester
B. Tech. Students	3	21 Days
M. Tech. Students	3	21 Days

E-JOURNALS & DATABASE SERVICE:

1. Circulation -All the students, faculty members, and employees of the institute are normally entitled to membership of the library. Their entitlements in terms of number of books that they can borrow and the permissible loan period is given below:

A.IEEE ASPP PERIODICAL PACKAGE:-

IEEE ASPP Online combines high-quality technical literature with the power of online searching, including.

- 174 IEEE online society-sponsored journals, transactions and magazines included in IEEE ASPP
- Leading, peer-reviewed publications from highly-cited journals
- More than 370,000 documents, many of them available in HTML as well as the original PDF format
- Quality magazines focusing on practical applications in research, design, and specification
- More than 370,000 documents, many of them available in HTML as well as the original PDF format
- Complimentary access to Bell Labs Technical Journal
- The most highly-cited journals in the field
- Nearly four million abstract records
- Backfile to 2005
- Robust search tools with a user-friendly interface
- Daily updates-hundreds of papers added every week
- INSPEC® abstract/citation and bibliographic records
- Links users directly from your library Online Public Access Catalog (OPAC) catalog to IEEE titles

B. ELSEVIER SCIENCE DIRECT - This specific journal package has been established to extend researchers' access to full text in the fields of security, computer programming, optics, thermal energy, construction and building material and electricity. Customers subscribing to this package will be allowed access to articles from year 2000 onwards. Access to the content will be provided on Science Direct platform. SKIT is the subscriber of science direct since 2011.

Engineering + Computer Science (275 journals)

C. SPRINGER ONLINE JOURNALS- SKIT is an institutional member of The Institution of Engineers (India) and accesses full text IE journals

D. DELNET - Developing Library Network - DELNET is a major resource sharing Library Network in South Asia that covers a wide spectrum of member libraries and their resources. DELNET is committed to pool the information about resources scattered in various libraries all over India and to consolidate information through Union Catalogue, Union Lists and Databases. This is being done to satisfy the major information requirements of students, researchers, scholars and the public in the research activities in India as they regularly supply suitable content and information materials to libraries and their users. Our institute is a member of DELNET. More information about DELNET can be obtained through digital library website at 192.168.1.10.

E.OPAC (Online Public Access Cataloguing) -The Library provides automated services in all its sections using LIBSYS Software. Database, which is updated regularly and readers can search the documents using OPAC (Online Public Access Catalogue).student can reserve and check their account status through OPAC.

2. ILL (Inter Library Loan & Resources sharing facility) -The Library offers inter-library loan service to its users for the books and periodicals & other reading materials not available in the institute Library by procuring them from other libraries through DELNET (Developing Library Network). We are also an ILL provider institute.

3. CAS (Current Awareness Service) - CAS is provided to the members to keep themselves up-to-date about the Library's collection and the latest information. The library provides the under mentioned Current Awareness Services:

I. New arrival of periodicals
II. New addition of books (displaying the new arrivals of books)
III. Newspaper clipping service (daily)

4. Reference Section -The reference section in the library functions on all working days. Reference books are not allowed to be lent out. The following reference services are available in the library.

1. Vedic Encyclopedia
2. Hand Books for various subjects.
3. Gifted Books
4. Dictionaries
5. General Encyclopedia
6. Collection of Hindi literature
7. Archival Collection
8. Theses and Dissertations

5. Document Selection and Collection Development Service – The Library always tries to select and purchase the most valuable documents of interest to fulfill the requirements of its members. Publisher catalogues are frequently sent to the committee members for selection and recommendation of new books. Members are welcome to suggest new titles and the latest editions of documents to be purchased by filling up the purchase request form.

This information is submitted to the library committee which is solely responsible for the final decision and fast processing of the purchase request form. Book request form can be downloaded at 192.168.1.10. SKIT library organizes an annual exhibition of books where reputed publishers display their latest titles and faculty and student recommend the required ones.

6. SC/ST & BPL Category Book-Bank -The books purchased / donated from the special grant of the Social Welfare Department, Rajasthan State Govt. is kept in this section. Books are issued only to SC/ST students. If there is no demand from SC/ST students, only then the books may be issued to weaker general category students from this book bank. The SKIT Library also provides books for students of BPL class.

7. CD-ROM Database -The library offers CD-ROM Search service which can be accessed from anywhere in the institute through digital library website at 192.168.1.10.

8. Printing, Scanning and Copying Service- SKIT Library provides the facilities of printing, document scanning and photocopying to their users.

9. Electronic Library -

It is the single window interface to the resources and services of the central library from where you can access the following resources:

1. IEEE ASPP Periodicals
2. Elsevier Science Direct Journals
3. Search / browse the material in library
4. Know about recent arrivals
5. Access to E-Resources (e-journals, Open access resources)
6. Access to DELNET
7. Access to NPTEL Videos
8. Download of document selection & suggestion forms
9. Download of previous year university papers
10. Departmental Information
11. CD-ROM Database
12. Open access resources
13. Online dictionaries and encloypedia
14. Faculty Publications
15. Placement Services

10. Document Delivery Service: The Library provides a document delivery service whereby journal articles not available in its collection are obtained from external sources. This service is extended to all Faculty members, students and staff of SKIT. You may send your DDS request to skitdigitallib@gmail.com

GLOSSARY OF LIBRARY TERMS:

1. ILL: If the library does not have a copy of the book or item that you want, you have the choice to make an inter library loan request and we will try to borrow it from another library for you.

2. Library Catalogue: Database of all items, books, journals etc

held in the library.

3. CAS: A system and often a publication for calling current documents to the attention of library user's call number: The combination of letters and numbers found on the book's spine and in the location part of the books bibliographic record in the library catalog. The call number indicates where a book is shelved in the library.

4. Holdings: The total stock of materials (print and nonpoint) owned by a library listed in its catalog. Synonymous in this sense with library collection.

5. OPAC: A computerized catalogue of books and other items in the library.

6. Citation index: An index consisting essentially of a list of works which have been cited in other, later works, and a list of works from which the citations have been collected and used to identify subsequently published works that are related by subject to the cited work.

7. H-index: The H-index is based on a list of publications ranked in descending order by the times cited. The value of h is equal to the number of papers (N) in the list that have N or more citations. For example, an h-index of 12 indicates that in the dataset, 12 papers were cited at least 12 times each.

8. SCI: Science Citation Index. Database used as a data source for scientific activity indicators

9. Impact factor: Bibliometric indicator defined as the mean number of citations received by the articles published by a given journal in a given target window (2 years). It consists of the ratio between the number of citations received in the census year by journal articles published during the target window (2 years prior to the census year), and the total number of articles published in that same window. This indicator is calculated from the information drawn from the WoS and published yearly in the Journal Citation Reports (JCR) database. In this project it is only used to position the journals in a given category in their respective quartile and identify the top three on the grounds of their impact factors.

10. OPAC: It stands for Online Public Access Catalogue. This is a database of all books, reference books available in the library. It enables speedy searching of a particular book or books on a given subject, and/or a book by an author/publisher/keywords etc. The process is as follows:

- You may log in into patron access through the Online Catalogue (OPAC) anywhere in the institute.

- All members of the Library can reserve up to 3 books. One book can have only 4 claims at a time.

- In-case, the documents required by an authorized user are not available in the Central Library, on request from the user the section obtains it on inter - library loan basis from other reputed academic libraries around India, provided that the user have to pay the required charges for this service to the Central Library.

- SKIT library subscribes to a wide range of scholarly resources. They are all IP based and can be accessed in the academic and residential campuses of the institute. You can access them in the following ways:

A. Digital Library Website: The Digital Library Lab serves as the digital library with computer terminals facilitating access to various academic resources, viz., journals, databases etc. This facility is strictly for academic purposes only.

B. On your laptops/desktops: By connecting to institute LAN/Wi-Fi

C. Other Terminal in Campus: User can also access e-resources anywhere in campus.

Contribution to the development of Library:

1.Dr.S.L.Surana

(Director Academics & Patron, SKIT Library):

Considering the efforts of Dr. Surana, calling him the backbone of SKIT libraries will not be wrong. His affinity towards research and academics has led us towards a massive collection of valuable literature of journals, books and much more. Starting the annual exhibition of books is one of his many great efforts towards improvement and enrichment of library collection. This exhibition provides a platform to publishers of repute and the members of SKIT family to meet and grow in terms of quality publications. Dr.Surana has also initiated the intake of printed IEEE transactions in hardcopy format as well as E-Journals to facilitate and motivate research aptitude in SKIT. He is a great guiding source for library staff towards better management of library services.

2. Late Shri Birbal Singh Gurjar:

As the first librarian of SKIT library, late Shri Bribal Singh Gurjar initiated our journey towards knowledge and collection of quality books and literature. During his tenure, he made his best efforts to enrich the initial foundation of the library. The library automation we see today was actually initiated by his efforts with installation of 'Libsys' software for the library. His efficient conduct and warm nature were a great asset to the environment of the library.

3. Mr. Saurabh Ranjan Srivastva:

As a Computer Engineering faculty member, he has played a key role in digitization and modernization of the library through Digital Library Website. Starting with the campus wide transmission of video lectures of NPTEL (National Program for Technology Enhanced Learning) Program in year 2007, he developed the digital library website into a full-fledged single point digital access to various research and learning services provided by the library and institute. With passing years, his efforts have nourished and enriched the digital library services into a massive platform for accessing digital knowledge resources.

The Central Library of SKIT has carved a special place in the achievements of the institute and contributes a great deal in enhancing the academic environment. The library plans to develop the Institutional Repository of SKIT, organize an awareness workshop of Science Direct & IEEE ASPP and a workshop on NPTEL in the coming future.

D.R Bhincher
Chief Librarian, SKIT

COMPUTER ASSISTED DRUG DESIGN

Drug design is an interactive process which begins when a chemist identifies a compound that displays an interesting biological profile and ends when both the activity profile and the chemical synthesis of the new chemical entity are optimized. Traditional approaches to drug discovery rely on a step-wise synthesis and screening programme for a large number of compounds to optimize activity profiles. Over the past ten to twenty years, scientists have used computer models of new chemical entities to define activity profiles, geometries and reactivities.

Drug design is an approach of finding drugs by design, based on their biological targets. Typically a drug target is a key molecule involved in a particular metabolic or signaling path way that is specific to a disease conduction or pathology or to the infectivity or survival of a microbial pathogen. Computer-assisted drug design (CADD), also called computer assisted molecule design (CAMD), represents more recent applications of computers as tools in the drug design process. In considering this process, it is important to emphasize that computers cannot substitute for a clear understanding of the system being studied. That is, a computer is only an additional tool to gain a better insight into the chemistry and biology of the problem in hand.

In most current applications of CADD, attempts are made to find a ligand (the putative drug) that will interact favourably with a receptor that represents the target site. Binding of ligand to the receptor may include hydrophobic, electrostatic and hydrogen bonding interactions. In addition, solvation energies of the ligand and receptor site are also important because partial to complete desolvation must occur prior to binding.

This approach to CADD optimizes the fit of a ligand in a receptor site. However, the optimum fit in a target site does not guarantee that the desired activity of drug will be enhanced or that the undesired side effects will be diminished. Moreover, this approach does not consider the pharmacokinetics of the drug. The approach used in CADD is dependent upon the amount of information available about the ligand and receptor. Ideally, one would have 3-dimensional structural information for the receptor and the ligand-receptor complex from X-ray diffraction or NMR. The ideal is seldom realized. In the opposite extreme, one may have no experimental data to assist in building models of the ligand and receptor, in which case computational methods must be applied without the constraints that the experimental data would provide.

Dr. Swati Joshi
Sr. Lecturer, Department of Chemistry

GREEN TECHNOLOGY

The green technology, in simple words, means the technology which is environmental friendly, developed and used in such a way that it doesn't disturb our environment and conserves natural resources. Addressing the wide-ranging environmental impact of global population growth and industry has become critical to the survival and prosperity of human civilization. Green Technology refers to the development of processes, practices, and applications that improve upon or replace existing technologies that allows us to meet our needs while substantially decreasing the impact of over grown population on the planet. The present expectation is that this field will bring innovation and changes in daily life of higher magnitude.

Goals of Green Technology:

SUSTAINABILITY – It caters to meeting the needs of society in ways that can continue indefinitely into the future without damaging or depleting natural resources.

CRADLE TO CRADLE DESIGN – It posits an ending to the "cradle to grave" cycle of manufactured products by creating products that can be fully reclaimed or re-used.

SOURCE REDUCTION – It means reducing waste and pollution by changing patterns of production and consumption.

INNOVATION – It offers developing alternatives to technologies whether fossil fuel or chemical intensive agriculture that have been damaging health and environment.

VIABILITY – This aims at creating a center of economic activity around technologies and introducing products that benefit the environment, speeding their implementation and creating new careers that truly protect the planet.

DOMAINS RELATED TO GREEN TECHNOLOGY ENERGY
Perhaps the most urgent issue of green technology includes the development of alternative fuels, new means of generating energy and energy efficiency.

GREEN BUILDING
Green building encompasses everything from the choice of building materials to the place a building is located.

ENVIRONMENTALLY PREFERRED PURCHASING
This innovation by the government involves the search for products which are environmental friendly and whose methods of production have the least harmful impact on the environment.

GREEN CHEMISTRY
The invention, design and application of chemical products and processes are to reduce or to eliminate the use and generation of hazardous substances.

Dr. Poonam Ojha
Sr. Lecturer, Dept. of Chemistry

NANOTECHNOLOGY IN MEDICAL SCIENCE

Nanotechnology or Nanotech is the field that has been gaining a lot of attention and attraction recently. It deals with the manipulation of matter on an atomic or molecular scale. Nanotechnology has led the development of chip-scale photonics [1]. The unique optical properties of metallic nanostructures enable the routing and manipulation of light at the nanoscale. It covers a wide range of applications extending from communication to medicine.

The utility of Nano materials in medical science ranges from the nanomaterials and biological devices to nano-electronic biosensors, and biological machines. The innovation, developed by Brown University researchers, has been shown to selectively measure concentrations of glucose in a complex solution similar to human saliva, with a sensitivity amounting to just a few thousand molecules in the sampled volume. It uses a series of chemical reactions combined with plasmonic interferometry [2]. This new chip-based nano gluco-sensor hopes that one day people can measure their glucose level (diabetes) using saliva [2].

Also, the researchers at ETH Zurich in Switzerland have developed nanoparticles that kill tumour cells when heated up. Sotiris Pratsinis, a Professor of particle technology at ETH Zurich, has discovered sphere-shaped gold nanoparticles that display NIR plasmonic properties by allowing them to be aggregated [3]. Each particle is coated with a silicon dioxide layer which acts as a placeholder between the individual spheres in the aggregate. The gold nano-particles are heated using near infrared (NIR) rays. If the particles lose their specified shape while heating up, they lose their desired plasmonic properties and are no longer capable in absorbing enough NIR light to generate heat. So, the coating of $SiO2$ itself holds an advantage of preventing the gold nano-particle from being damaged when heated up. The technology is actively studied in killing the dangerous cancer cells.

Specifically addressing the rapid growing problem of cancer tissue, the researchers also added super-paramagnetic iron oxide particles along with the gold particles, which enable the nano-particles to be controlled via magnetic fields and may enhance their accumulation in a tumor. The gold, silicon dioxide, and iron oxide are safe to be used for human body and are well tolerable but, their ill effects are still under investigation.

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Rukhsar Zafar
Reader, Dept. of EC

THOUGHT VECTORS: MOVING AHEAD TO ARTIFICIAL COMMON SENSE IN MACHINES

The pace at which technology has been advancing over the last decade is amazing. The innumerable innovations have left us all overwhelmed by their ease they offer to our lifestyle. In fact, we are letting go off the exclusivity of our most precious and unique asset as human beings- 'intelligence', by sharing it with computers and robots. One of the handpicked specimens delineating how fast machines are becoming an absolute substitute to us is the concept of Thought Vectors, a highly advanced research being conducted by Google on Artificial Intelligence.

WHAT ARE THOUGHT VECTORS?

Thought Vectors are an attempt to develop algorithms that would enable computers with "common sense". By describing every word with a set of numbers (or vector), a computer can be trained to understand the actual meaning of these words.

The technique works by associating each word with a set of numbers (or vector) that defines its position in a theoretical "meaning space" or cloud. A sentence can be looked at as a path between these words, which can in turn be distilled down to its own set of numbers, or thought vector. The "thought" serves as a bridge between the two languages because it can be transferred into the French version of the meaning space and decoded back into a new path between words. The current state of the art has taught computers to understand human language much the way a trained dog understands it when bending down in response to the command to sit. The dog doesn't understand the actual meaning of the words, but has only been trained to respond in a certain way.

WHY THOUGHT VECTORS?

Thought vectors provide a medium of changing the abstract way in which computers understand the human language. While the 'Natural Language Processing' is being commonly used by technology based organization globally, Thought Vectors move a step ahead by actually teaching the computer to understand the language much the way we do.

Today, Google is on the verge of developing algorithms with the capacity of processing logic, natural human conversation, sarcasm and even flirtation. The very idea of capturing thoughts and converting them to lifeless sequences of digits is incredible. In future "Thought Vectors" can help us overcome two major handicaps in artificial intelligence: mastering natural, conversational language, and the ability to make giant leaps of logic. Perhaps we are very near to the day when you will be sharing your emotions with your laptop or mobile phone.

Saurabh Ranjan Srivastava
Reader, Dept. of CS

GRAVITATIONAL WAVES

There's been a lot of chatter recently suggesting that physicists may have finally found gravitational waves. It would prove to be an incredibly important discovery. But what is a gravitational wave? It's a ripple in the fabric of space and time. We can imagine space as a giant sheet of rubber like things which have caused the rubber sheet to bend like a gymnast on a trampoline. More the mass, more the sheet space gets bent and distorted by gravity. The reason the earth goes around the sun is that the sun is very massive, causing a big distortion of space around it. If you try to move in a straight line around such big distortions, you will find yourself actually moving in a circle and that's what an orbit is. There's not an actual force pulling the planet around but only a bending of space.

Gravitational waves are produced whenever masses accelerate, changing the distortion of space. If you and I started to dance around each other, we would also cause ripples in the fabric of space and time, but this would be extremely small and practically undetectable because gravity is very weak in the scale of the other forces in the universe. So we need something really massive and fast to make giant ripples just like a pair of black holes.

But how would you observe those waves? It's simple physics, if the space between two bodies is stretched or compressed, we wouldn't notice it. If we make marks on our metaphorical rubber sheet, for e.g., using equally spaced rocks, those too will stretch and compress. However, there is one thing which doesn't spread or compress and that is the speed of light. So, if rubber is stretched, light will take longer to go from one point to another and vice versa. This is where LIGO (Laser interferometer gravitational waves observatory) experiment comes in which the interference of laser is measured. It is as hard as trying to identify a song being hummed at a noisy party.

It's a complete new way of studying the universe. It is really about looking for new things that we didn't know that they existed, examining the extreme edges of our knowledge of physics and testing our theories about how the universe works. Sources: - ligo.org , Wikipedia

Shahwar Ahmed Siddiqui
III B.Tech., Dept. of EE

AUGMENTED REALITY

Augmented reality is the technology based on 3D objects and is currently used for a lot of websites .It is the latest technology which has the highest scope in the field of CS, IT, EC industry. With the help of the technology, we can use 360- 180 views. Basically, Augmented reality replaces the real world with a simulated one. Augmentation conventionally takes place in real-time and in semantic context with environmental elements such as sports scores on TV during a match. With the help of the advanced AR technology, the information about the surrounding real world of the user becomes interactive and digitally manipulable. Basic requirements for implementing augmenting reality are webcams, fixed pattern and knowledge of AR code. So, firstly we design a pattern on which the code is to be implemented. As soon as the pattern gets detected by the webcam, the code starts and we see a 3D object in the screen as an output.

Anshul Saxena
III B.Tech.,
Dept. of CS

The lines of My Past

She walked by me laughing aloud,
But nobody knew that was to hide
her grief in the crowd.
Laughing to the loudest,
she turned with a cherished smile,
Missing no chance to be happy
yet already in a pile.
Excluding one day she was never sad,
Because that day was solemnly bad.
Never getting angry because of any single being,
Rather she had a compile of things.
I was shocked when, while laughing,
she suddenly cried,
Inside her every moment, she imagined,
had died.
It was just starting of her life,
And one day will cut every sadness
with a sharp edged knife

Karan Bari (IV Sem., EE)

A Travelogue by Dr. Nidhi Sharma, Reader, Department of English

STRAY FEATHERS: A RENDEZVOUS WITH THE BIRDS

Pacing my footsteps towards the first morning lecture, one foggy morning, I stumbled across Neha, my friend and the chief editor of this magazine, bundled up in her cozy woolen attire. Gleaming with joy, she informed me about the introduction of "Travelogues" as an additional ingredient on this platter that serves a plethora of riveting articles. I congratulated her on toying with this innovative initiative as it may ignite a fire of imagination into our young volatile minds. As I turned around to swiftly catch my class, she underlined her sentence by saying, "Madam, I want you to initiate this column by penning down your recollections!" Galloping hotfoot across the corridor, I nodded and waved her with my positive response. Within moments, the imaginative adrenaline shot up and the lecture got silhouetted with the backdrop of a potpourri of excursions. On my way back to the gallant Civil Block, meandering on the lush green grasslands, I swayed into the fertile memory lanes of the blue abode, Nal Sarovar, a Bird Sanctuary, at just an hour's drive from Ahmedabad. The Nal region is a low-lying area between the plains of the Central Gujarat and Eastern Saurashtra. Owing to its low lying topography, it is believed to represent a filled up sea link, that previously existed between the Little Rann in the north and the Gulf of Khambat in the south. Remnants of this sea are thought to be represented by the Nalsarovar. Nalsarovar is a shallow lake; about 121 sq km in area, dotted with about 360 tiny islets, dissolving into the sky and the iron-flat plains that surround its wetlands. This bird-rich lake, on a winter morning, vouches for its breathtakingly beautiful experience.

Nostalgically I recall how the kids pestered me to throw them a nature's treat, on my last visit to Ahmedabad. The elder one banged her spoon onto the breakfast plate accompanied by the younger one too, for whom the cacophony was more enjoyable than the demand. I agreed, and in a hurry scurry zeroed in to make them visit Nal Sarovar, a favourite picnic spot of our school excursions. We bumped into the car, packed with edibles. The kids jauntily awaited the venue. All through the drive, they grilled me with names of those migratory birds. Just like the upcoming smart cities, the new age mothers have to be smart, indeed. Promptly, I browsed Google (my saviour) on my smart phone and answered all their hammerings. As we drove through the groves, the pungent odour of the wet bushes welcomed us with a green hug. Pinching her little nose, the younger one yelled out at me, "Mumma, this place is so stinky". The elder one pecked on her cheeks and said, "That's the fish around."

Finally, we zapped into this heavenly place, smitten by the azure sky and the crystal blue waters all around. We had to park our car at a distance of roughly two kilometers from the water body, for safety reasons. And off began this bumpy jeep ride towards the Sarovar. Alighting from the jeep began this haggling struggle for the boat ride and victoriously, after juggling in chaste Gujarati, we settled for Rs 2000 for a two hour boat ride. "Amdaavadi chho tame?", asked the boatman. "100% Amdaavadi chhiye, dekhaatu nathi tamne?", I retorted with a husky voice. And gleefully we waded into the dark waters. The children merrily jumped with excitement. With sticks in their hands, they playfully tapped upon the ripples and the marshes. Suddenly, a black tailed godwit gracefully descended upon the tranquil water, fluttering its wings and sailed on. This small, brown and white wader with a slightly curved bill had traveled 3500 kms from its nesting ground in Central Europe to spend the winter here at Nalsarovar. Within few seconds, flocks of flamingoes waded through the waters, dipping their beaks to feed from the bottom and in no time we were clouded upon by more than 50 types of birds that landed in this lake, taking a tiring long journey to escape the harsh winter of their nesting areas. These migrant birds visit Nalsarovar every year from November to February in search of food and warmth. During this tenure, water is plentiful and the fishes, the insects and the aquatic plants abound in the lake - an ideal environment for the birds. Nalsarovar at this time is a birdwatcher's delight. Raju, the boatman informed that during scarcity of food and water, some birds go away for short duration to nearby areas and return to the lake after monsoon to a feast of fishes and insects. These are the resident birds. Nalsarovar - and the wetlands around it were declared a Bird Sanctuary in 1969, a hub to the extensive reed beds and marshes that are an ideal habitat for aquatic plants and animals. The lake attracts a large variety of birds like plovers, sandpipers, pelicans and geese which are commonly seen during the winter months. Raptors like Palla's fish eagle, greater spotted eagle and marsh harrier are other birds that are worth watching. Apart from being visited by the flock of birds, the place is also known for its wildlife, which includes wild ass and blackbuck amongst others. The disparate plant species found here are known for their medicinal and commercial value. A number of species of fish is also present in this lake.

Other than boating and bird watching one can also enjoy other activities like angling and horse riding on the lake side. The place attracts a number of ornithologists and nature lovers. Binoculars can be carried by the tourists and they can also take video cameras along with them to capture the resplendent nature. If you want to escape from the hustle and bustle of the smart cities and rest in the lap of nature or experience the feeling of being spellbound by its beauty, then, Nal Sarovar Bird Sanctuary is a must visit for you. "Aavjo! resonated Raju, who, in this pleasure trip of two hours was fondly addressed as "bhaiya" by the kids. With a beam of innocuous gesture on their faces, the kids, bid adieu to the paradise of the birds. "Thank you, Mumma!" the kids bear hugged me and I was on cloud nine!!!!
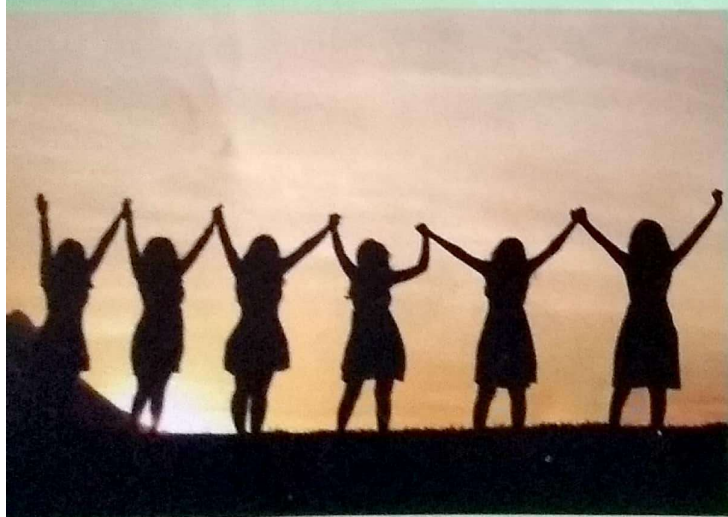
WOMEN EMPOWERMENT

There is no tool for development more effective than the empowerment of women. Women empowerment refers to the capability and eligibility of women to make a potential participation in society related to decision making. It is about to impart women with the authority to lead in every part of life and also for the country. Women empowerment revolves around three components including women's self worth, right to possess power to control lives and women's ability to introduce social change on the national, international and universal basis. The first step to empower women is to educate them.

Education inculcates a broad knowledge, self confidence, leadership skills, ability to work with a team, patience, good public speaking skills, good writing skills, a desire for responsibility, perseverance, and the ability to handle pressure. Women are born managers and leaders. Any woman who understands the problems of managing the home will be nearer to understanding the problems of running a country.

The inherent quality of women is the ability to create and transform. Our mother is our first teacher. She teaches us our first behaviour, our first step in life. Thus, women also have a great role to play in society and in the world. If we compare a male with a female, they are found to have more compassion, adaptability, tolerance, optimism and empathy.

So with these inherent qualities if they are explored to good education, healthy environment, respect and freedom, entire nation can be transformed. So it is our moral duty to educate girls, to nurture them, to love them, to let them fly free in this world.

A SIP OF HEALTH

If you haven't subrogated your morning latte' for a grand green tea, you are missing the train of good health. Cut the caffeine and drink green tea. What if one simple alteration can simply change the way you look, feel and age? This simple change is switching to green tea- a responsible drink. The question arises: 'How can a drink be responsible?' It's no secret that green tea bolsters the body in many ways.

Treat your body well and it will respond back. By replacing your morning coffee with green tea, you are not only getting a more homogeneous morning boost, but you are also reaping many other benefits. Green tea helps to cure various cancers including breast cancer, skin cancer etc., hyperactivity, sunburns, diseases of the heart and blood.

It also helps in losing weight and to treat stomach disorders. Green tea has high antioxidant properties which not only promote good health but also make you feel younger. It helps to fight risk of diseases due to exposure of pollution and excess sunlight.

Now the question comes: What is so different about this drink? 'Green', indeed the answer is here. Green tea is a product made from the Camellia Sinensis plant. Green tea is not fermented; it's produced by steaming fresh leaves at high temperature. India is the major producer of green tea followed by China and Sri Lanka.It's not growth but maintenance we need to take care of. Green tea not only helps your body but your brain as well. It prevents the brain damage that occurs after strokes and other brain injuries.

So next time you think of a tea, consider going green, because that is the way to a healthier living.

Dr. Meena
Sr. Lecturer, Dept. of Chemistry

Vikram Meel
III SEM, Dept. of MBA

IS EDUCATION LOOSING ITS MEANING?

I was in the bus en route to Mansarovar. It was Guru Gobind Singh Jayanti which is an official holiday. But many coaching institutes, schools and colleges were open. The general student concession which is available on the bus ticket is kept off on a holiday.

There were two students in the bus going for their coaching. They asked for an ST ticket which the conductor refused to give as it was a holiday. On the refusal one of the boys said in a very coarse tone that he hardly cared about the holiday and Guru Gobind Singh since his coaching institute was open that day. He roughly demanded for the concession and hurled abuses to the conductor.

The first thought that came to my mind was how such people could call themselves educated? Educated people are never disrespectful. The boy aged twenty or above had no respect for 10th Guru of the Sikh religion. For him those eight rupees which he had to pay extra were much more important.

Education is meant not just to earn money and lead a lavish lifestyle. It makes us what we are – humans. Love, respect, modesty, kindness is what defines us. Knowledge gained through the process of education. Education imparts us these qualities and if we are not able to learn them, the purpose of education gets defeated. Today, we are witnessing much worse incidents than this.

The crime rate is increasing every day and the role of so called "EDUCATED" people is on the rise too. We frequently read in the newspaper or watch on the television that even some doctors, engineers or chartered accountants are involved in murders or robbery. Isn't this enough to question our education system, social system and ourselves? Has the sole purpose of education been reduced to create employable people who are devoid of their social and moral responsibilities?

What is also disappointing is that on the name of modernity and technological advancement, our kids are getting deviated from their path due to a pre mature exposure to many nonessential things. There is time for everything and if we are running behind it or in advance then we are only left with a disaster. We crack jokes on our elders and teachers for fun through various social media sites and apps but it creates a negative impact on a kid who is just 13 or 14 years old. The respect which must be there in his heart starts to vanish. The lines get crossed and what remains is chaos and unhealthy environment.

Education is not limited to schools and colleges rather it starts from our home and the society in which we live. It is high time that we start to keep a check and question not only our children but ourselves too. They learn from the elders and we need to create a healthy environment where they learn the positives. We need to make them comfortable enough to talk to us and also understand their limits. Everything has its own limits and they must never be crossed. I am sure what has been said above has been heard and read thousands of times but do we ever act on it. Majority of us don't. We need to realize our duties and bring the change that is required. Change begins from an individual. Knowledge can empower us and therefore it must be imparted in the right manner to always support the right ways.
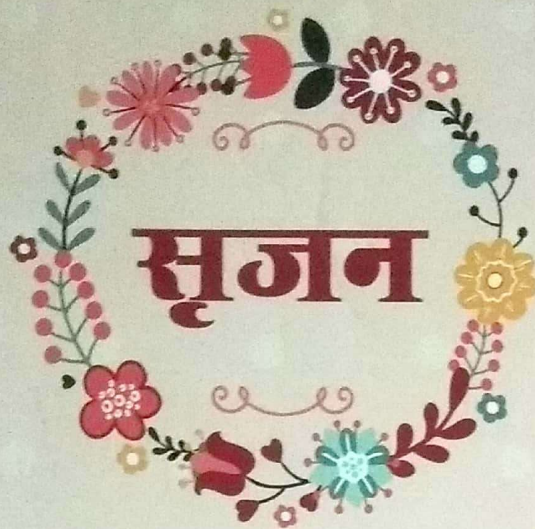
Piyush Baid
IV B.Tech., Dept. of ME

TEACHER-STUDENT RELATIONSHIP

Teaching is a process that improves a student's seeking level and helps them overcome any situation easily. Students hold the highest regard for teachers after their parents. All cultures and religions preach that students are supposed to respect their teachers and should try to learn from them not only for what's there in the academic curriculum but also for the values of life. Teachers have an important role in building the personality of students and the relationship they develop with them determines their academic and personal growth.

A positive teacher-student relationship could be developed by encouraging a learning environment where the students feel free to ask whatever they want to and the teacher responds in a manner which is understandable by the students. Therefore, it would not be wrong to say that building a strong teacher student relationship is actually building effective communication. The level of respect that exists between the two also has a vital role to play in developing a positive teacher student relationship. A teacher student relationship evolves with time. When we are in the primary school, the teacher usually acts as a mother or father for students and guides them about every little thing. In the secondary and post secondary school, the approach of the teachers becomes more professional. They are more concerned about completing the course rather than teaching students the true value of life. This is where most teacher-student relationships suffer. A teacher transforms from being a teacher to an instructor who has the sole responsibility of teaching students what's there in the course books and nothing beyond that. For strong teacher student relationships it is essential that teachers understand that students in a class come from different cultural and social backgrounds.

This increases the need for teachers to modify their behavior according to each student's needs. In this way the teacher would be able to develop a level of understanding with every student and the students would feel they are important which would boost their self esteem. This would also reflect in their grades and overall behaviour. If for some reason either of the two are not committed to the task then the endeavor will be a complete waste. If the student doesn't want to learn then they will not learn. The teacher can't physically force the student to learn, just as a tour guide can't make someone love a piece of scenery if they have already decided that it is stupid and that want to go home. Similarly, it is impossible to force someone to do a better job as a guide. And so the only way an ideal relationship can take place is when the teacher and student are both committed to their tasks.

Jitendra Singh
Lecturer, Dept. of ME

सृजन

पर्यावरण

बिना वृक्ष धरती लगती सूनी–सूनी, वृक्षों से बढ़ जाती शोभा दूनी–दूनी।
जड़ से लेकर फल तक आता काम, अपनी छाया में देता सबको आराम ।
मानव ने प्रकृति पर अत्याचार बढ़ाया,वृक्ष का जंगल से होने लगा सफाया।
प्रकृति ने हर व्यक्ति को किया इशारा, सांस के लिए सब बनोगे बेचारा।
अनेक रोगो ने अपनी अलख जगायी, अनेक जीवजन्तु ने अपनी प्राण गंवाई।
पानी ही बनेगा अगले विश्वयुद्ध का आधार।
करना रक्षा वृक्ष का कर्तव्य हमारा, शुद्ध होगी वायु, जब जागे विश्व सारा ।
तुच्छ स्वार्थ के लिए प्रकृति को ललकारा, दे सम्मान प्रकृति को, क्या किसी ने विचारा।
खाते, पीते, सोते, जागते हवा हम लेते है, क्या अपने जीवन में एक वृक्ष को सेते है।
आओं मिलकर कसम खाते है, बच्चों के जन्मदिन पर एक वृक्ष लगाते है।

शुभम यादव, प्रथम वर्ष, यांत्रिकी अभियांत्रिकी

जिंदगी रुकने का नाम नही

जिंदगी रुकने का नाम नही, चलना ही है, हर पल सही।।
मार्ग में चाहे हो रोड़े हजार...करना दृढ़ निश्चय से उनको पार।।
डग–मग राहो में संभालना...बिगड़ी परिस्थिति को बदलना।।
हर पल जीतने की हो अभिलाषा, कभी ना हो हताशा।।
दीप की तरह रोशन होना...पर उस चकाचौंध में अपना अस्तित्व ना खोना।।
सूर्य के तेज के समान उज्जवल होना...कही इस तेज को कहर ना होने देना।।
कभी हार मिलें तो गम ना मनाना...स्वीकार कर, निरंतर बढ़ना।।
नभ की ऊँचाईयों को छूना...मगर धरा से लगाव ना खोना।।
जिंदगी जीने के है कुछ तरीके...सीख इन्हें बने नवाब कहिके।

राहुल सोनी द्वितीय वर्ष, विद्युतीय अभियांत्रिकी

नज़रिया अपना अपना

आसमां तो सबके पास वही होता है, वही आँखें जो ऊँचा उड़ने का ख्वाब देखती है
बस जुनून है जो तय करता है कि ऊँचाई कितनी होगी अपनी–अपनी उड़ानों की.......
क्योंकि उस आसमां में ऊँचाई की कोई सीमा नही होती
आगे बढ़ने की ख्वाहिश कभी सीमित नही होती
जिसे ऊँचा उड़ने की आदत हो जाती है एक बार
उसके लिये जुनून पूरा करने की कोई कीमत नही होती
कहने वाले ये सच बयां करना भूल जाते हैं कि.....
तूफान तो आकर समंदर में आमत हो जाते है, जो छाया है दुनिया में वो बदनाम हो जाते है
ये तो हम नासमझ है जो छोटी–छोटी चीजों की कीमत लगा लेते है
वरना उस ऊपर वाले के सामने तो मसीहा भी नीलाम हो जाते है
जालिम ये दुनिया अक्सर अपनों पे ही वार करती है, खुद ऊँचा उड़ दूसरो को धराशाह करती है
ऐसी शख्सियत की गिनती लाखों में एक होती है, जो गिरते हुये लोगों की उंगलियाँ थाम लेती है।
ऐसे लोगो को हम संत नही कहते, महात्मा नही कहते, दुनिया वाले इन्हें पागल करार देते है
हम सभी अपनी ऊँचाईयाँ नापते रह जाते है, समझदारी के समंदर में गोते खाते रह जाते है
समझदारी के समंदर में गोते खाते रह जाते है
मुसीबत समझ इन्ही पागलों को कुएँ में डाल निपटारा पाते है।
हम सभी अपनी ऊँचाईयाँ नापते रह जाते है, समझदारी के समंदर में गोते खाते रह जाते है
मुसीबत समझ इन्हीं पागलों को कुएँ में डाल निपटारा पाते है
कोई पागल 'समझदार' इन्हें भी समझाये....क्या इस समंदर में फिर तूफान नही आयेगा ??
क्या हर बार मांझी पतवार संभाल पायेगा ??
अब तो कोई तैरता पागल भी नही बचा है..जो हाथ थामे फिर से डूबते हुये को पार कर जायेगा।

नेहा कपूर, वरिष्ठ व्याख्याता, सूचना प्रौद्योगिकी

बचपन

बचपन कहाँ है ?
देखो जरा टेबल के नीचे,छुपा बैठा हो किसी कोने में....
या छुप गया है मन की परतों में,देखो जरा खिलखिलाता भाग रहा है गलियों में,
या दब गया है दुनिया के बेमानी दुनियादारी में, देखों जरा मुँह छुपाये देख रहा है,
पलकों के कोनों से, या
थक गया है कही अनजानी राहों में, आँखें मूँदे तुम्हारे ही दिल के किसी कोने में
आज भी मचल रहा है बाहर आने को, बाहर आकर खिलखिलाने को।
तैयार है मुँह फुला कर रूठ जाने को, या यूँ ही बच्चों की सी जिद पर मचल जाने को।
हाँ यही तो वो बचपन है, भूल आए है हम जिसेअपने ही दिल के किसी कोने में।
बस जरा देखो तो...

अंजना सांगवान, वरिष्ठ व्याख्याता, कम्प्यूटर अभियांत्रिकी

मेरी दुनिया तुम हो मम्मी

स्कूल से आकर बच्चा रोज माँ से लाड़ लदाता। कभी कुछ कहता। कभी कुछ
और माँ हँसती रहती। एक दिन उसने माँ के गले में बाहें डालते हुये कहा 'मम्मी तुम
दुनिया की बेस्ट मम्मी हो'। माँ के लिए ये सुनना अजूबा नही था क्योंकि हर बच्चे के लिए
उसकी माँ सबसे अच्छी होती है। पर हैरानी से आँखे फाड़कर बोली 'क्या सचमुच' ?
बच्चे ने तुरंत जवाब दिया 'बिल्कुल हंडरेड परसेन्ट सच'। माँ अपने बच्चे के प्यार से
अभिभूत थी। पर उससे कौतुक करने के लिए बोली 'मैं दुनिया की सबसे अच्छी मम्मी
हूँ', ये तुम कैसे कह सकते हो ? दुनिया में कितनी सारी मम्मियाँ है और तुम तो अभी
उनसे मिले भी नही हो, उनके बारे में जानते भी नही हो ? बच्चा एक पल के लिए
चुप रहा, फिर माँ की तरफ देखते हुए बोला 'मेरी दुनिया तो तुम हो मम्मी'।

रूचि सिंघल, द्वितीय वर्ष, कम्प्यूटर अभियांत्रिकी

दिलो-जाँ से प्यारी है - हिन्दी

दिलो–जाँ से प्यारी है – हिन्दी, लेखक की हर रचना में है – हिन्दी
वतन वालो की भाष में है – हिन्दी, कश्मीर से कन्याकुमारी तक है – हिन्दी
सागन की लहरो में झिलमिलाती है – हिन्दी, आसमान में परचम सी लहराती है – हिन्दी
मेरे कन्हैया की बंसी की तान में है – हिन्दी, गीता के संदेश में है – हिन्दी
बच्चों की तुतलाती भाषा में है – हिन्दी, मेरे अवध की शान है – हिन्दी
मेरे हिन्दुस्तान की सुबह है – हिन्दी, मेरे वतन की आन–बान–शान है – हिन्दी
हर दिल की धड़कन में धड़कती है – हिन्दी

निकिता सिंघल, व्याख्याता, कम्प्यूटर अभियांत्रिकी