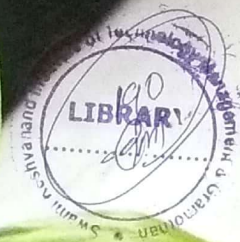


# THE SKIT TIMES

ISSUE 31



*Spring 2015*

A QUARTERLY BULLETIN OF



SWAMI KESHVANAND INSTITUTE  
OF TECHNOLOGY, MANAGEMENT  
& GRAMOTHAN



# CAMPUS VIBES

## 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 cosponsorship of the Institution of Engineers and in association with HCL on 28-29 Nov. 2014. Besides taking 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 computer engineering and information technology. 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 graced by the presence of Mr. D R Mehta (Former Chairman of SEBI), Mr. Ripudaman (Director, Natural Group), Mr. Sanjeev Hari (Senior Consultant, IBM), Mr. K Subramanian (Chairperson CS Chapter, IEEE Delhi Section), Mr. Ashish Tiwari (Senior Manager, Infosys), Shri P.V. Ekande, Former Chair, IEEE Delhi Section & IEEE CS and Dr. A. Murali M. Rao (Joint Director IGNOU, IEEE CS Execom Member).

The programme kickstarted with the welcome address by Chairman Shri Surja Ram Meel and motivational talks by eminent guest speakers from Infosys and IBM followed by the keynote address by the Chief Guest Mr. D.R Mehta. There were two technical sessions organized for the two day workshop. The first inclusive session was on Web applications and Network Security by Dr. A Murali M Rao. Shri. P V Evande spoke on data mining and knowledge discovery, stating that technology is not a gift of God, it is the consistent efforts of many people. The second talk was on artificial intelligence, fuzzy logic and software engineering by Dr. Sumit Shrivastva, Associate Prof., Manipal University and Mr. Ripudaman, Director, Natural Group. There were 28 paper presentations on the 1st day.

The second day's technical session began with a motivational talk on Image Processing by Mr. Sumit Shrivastva, Consultant Software Pvt Ltd. where he laid emphasis on fuzzy preceptors' model. Mr. Rupesh Jain from Wipro Technologies presented a deep insight into mobile and pervasive computing. The parallel session was on high performance computing and big data analysis by Dr. S C Jain, prof. RTU and Dr. Priti Singh, assistant prof., LNMIT.

Finally the two day conference was wrapped up with a valedictory session unveiling the challenges encountered in the field of technology. Undoubtedly this interface threw up challenges,



illuminating ideas, fresh insights and alternative ways of thinking about the competitive yet cooperative combat that the world of computing is readying itself for.

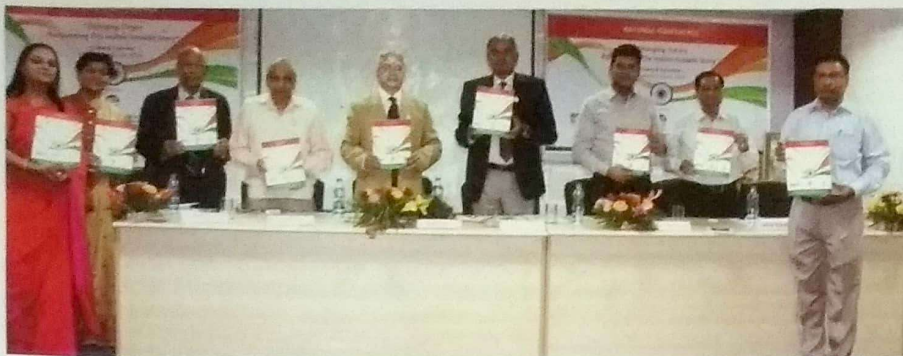
## NATIONAL CONFERENCE ON CHANGING TIMES: REINVENTING THE INDIAN GROWTH STORY

Department of Management Studies, SKIT conducted a two day national conference on the theme-"Changing Times: Reinventing the Indian Growth Story" on 21-22 November, 2014. The chief guest at the function was Mr. K J Alai (CGM SIDBI). He expressed his views on promoting MSME act in the public and private sector and encouraged the concept of green buildings, societies, commercial complexes, and manufacturing outlets in the current scenario. The guest of honour Dr. Rajender Singh (CGM, NABARD) spelled out the importance of the agricultural sector and shared information about various schemes and policies of NABARD which play a vital role in financing numerous ventures. Chairman SKIT, Shri Surjaram Meel extended a welcome to the dignitaries and participants and emphasized the relevance of the theme of this national conference. Director Academics, Prof. (Dr.) SL Surana detailed the changes and innovations that have come about in different areas which have resulted in better health and education facilities in the country.

Dean DMS, Prof. SP Garg discussed the various sub themes of the conference like entrepreneurship development, skill enhancement and capacity building, creativity and innovation, current challenges in the Indian economy etc. He also highlighted the role of effective business strategy and leadership in reinventing the Indian growth story.

The first speaker of the plenary session on reinventing Business Strategies, Dr. Rajiv Thakur, Director (Jaipuria Institute of Management) in his address, emphasized that the need to





reinvent is not just for ourselves but for this entire generation and its prosperity. His enriching thoughts that knowledge translates into skills, which then translate into employee ability, left the audience mesmerized.

The second speaker, Ms. Anshul Harsh, talked about the benefits of social networking sites for youngsters. The speakers of the second plenary session on the theme- Entrepreneurship Development: Skill Enhancement and Capacity Building, Prof. D. S. Rathore, Mr. Sameer Chaturvedi, Dr. A. K. Sacheti and Dr. Bhavna Johari emphasized the need of the development of rural areas and the participation of women in various developmental programmes. The speaker at the third plenary session on Creativity and Innovation, Dr. N.D. Mathur, shared his mantras of creativity and emphasized that creativity is essential for survival in today's competitive world.

Day 2 of the National Conference started with technical sessions where more than 35 institutes participated in discussion on various sub themes like FDI, Indian economy, developing India and E-commerce, etc. More than 65 papers were presented by faculty members from other institutions and more than 250 participants in the national conference.

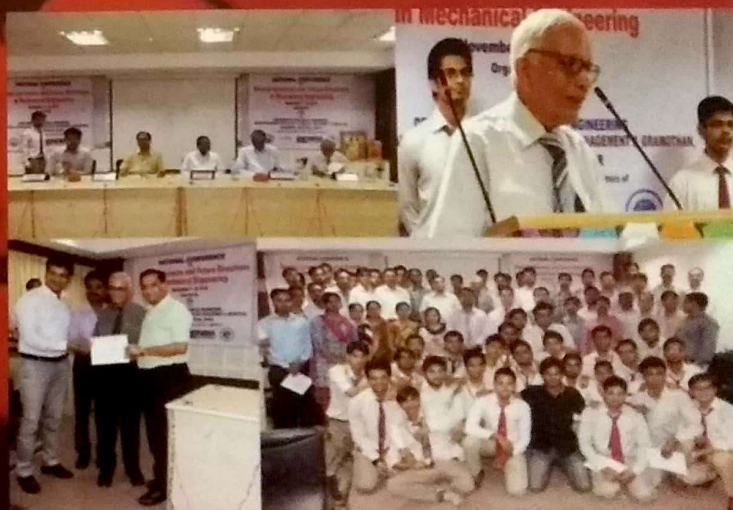
The speakers at the fifth plenary session on the theme - Role of Technology : Preparing for Digital India were Dr. Rakesh Singhal, Dr. Pradeep Kautish, Ms. Ani Satiya and Mr.

Abhishek Soni whose theme was on "Next Generation of Public Services and Digital Infrastructure as a Utility for Every Citizen. Prof. Vikas Shrivastava summarized the ideas expressed at the technical sessions during the national conference. Chairman SKIT, Shri Surjaram Meel inaugurated the National Conference Souvenir and unveiled the portrait of Peter Drucker, father of modern management to commemorate Management Day which falls on 19th November. Ms Maneesha Kaushik, associate professor, DMS, SKIT spelt out the significance of Management Day and threw light on the thought provoking and inspirational works of late Peter Drucker.

The valedictory session was presided over by Padmabhushan Dr. V.S. Vyas. He enlightened august gathering with the latest business strategies, challenges and opportunities India has and also appreciated the Institute for undertaking various innovative initiatives. The guest of honour for the valedictory programme were Prof. Sandeep Sachati and Mr.A.K. Jain. Director SKIT, Mr. Jaipal Meel gave prizes and certificates to the winners. Dr. Savita Choudhary and Dr. Ona Ladiwal proposed a vote of thanks to all the dignitaries and participants.

## NATIONAL CONFERENCE ON "RECENT ADVANCES AND FUTURE DIRECTIONS IN MECHANICAL ENGINEERING"

A National Conference on "Recent Advances and Future Directions in Mechanical Engineering" was organized on 07 and 08 Nov 2014 by the Department of Mechanical Engineering with joint efforts of ASME Student Section and SAE India Collegiate Club. Various eminent personalities from all over India attended the conference and expressed their views on the topic. Mr. Ashish Nayyar was principal coordinator and Mr. Praveen Saraswat was convener of the conference. Forty five research papers were presented on various topics pertaining with quality and accreditation. Shri N.M. Mathur (Chairman and Managing Director, Rajasthan Vidhyut Utpadan Nigam Limited) was chief guest during the inaugural session. Shri Surja Ram Meel (Chairman, SKIT), Shri Jaipal Meel (Director, SKIT), and Dr. S.K. Calla (Director, D&W) were also present during the inaugural session. At the outset Prof. N. K. Banthiya, Head, Dept. of Mechanical Engineering gave a brief introduction to the agenda of the national conference. Three expert lectures were delivered



during the conference. Dr. Dilip Sharma, Professor, MNIT, Jaipur delivered an expert lecture on 'I.C. engine waste, heat storage and regeneration'. Dr. S. L. Soni, Professor, MNIT interacted with the audience on "Cogeneration and Tri-generation" and Dr. G. D. Agarwal, Professor, MNIT explained "How to write a good research article". Two excellent tutorials were also held during the



conference; one was conducted by Dr. K. A. Subramanian, Professor, IIT, Delhi on 'Recent Advances in Utilization of Hydrogen in I. C. Engines' and the other was conducted by Dr. M. L. Mittal, Professor, MNIT on 'Understanding Research'. One of the prime attractions for the audience was a technical paper on 'Graduate Attributes and Formulation of Program Outcomes for Undergraduate Degree Programme in Mechanical Engineering' authored and presented by Dr. N. K. Banthiya, Professor and Head, Dept. of Mechanical Engineering at SKIT.

Dr. K. A. Subramanian, Shri Jaipal Meel and Dr. S. K. Calla were present during the valedictory function. Certificates and prizes were distributed for the poster competition. Certificates for participation were also given to the participants. Mr. Nitin Goyal, Lecturer, dept. of ME, summarized the conference. Mr. Praveen Saraswat, Reader, dept. of ME proposed the vote of thanks. The conference certainly served as a platform to foster professional and personal growth of the students through interaction with the leading personalities of the field.

## REPUBLIC DAY CELEBRATION

Renewing the spirit of patriotism, the 66th Republic day appeared as an apt occasion to adulate our freedom fighters. The celebration began with the tricolour hoisting which was attended by Mr. Raja Ram Meel, chief patron, Mr. Anil Bafna, vice chairman, Prof. Raisinghani, Prof. S. L. Surana, director, academics, Prof. S. K. Calla, director (D & W), Mr. Jaipal Meel, director, SKIT and Prof. N. K. Banthia, head, dept. of ME.

Mr. Raja Ram Meel extended his good wishes and blessings to the students. He congratulated the management for having an ear for every problem and expressed his belief that the same commitment would continue forever. He stressed the need for strenuous efforts by the young generation so that India could again bask in the glory of being the Vishvaguru.

Mr. Anil Bafna, vice chairman, in his witty and thought provoking address, reiterated the fact that instead of exaggerated commitments and false

promises, we should come up with concrete steps and perform our duty with the utmost sincerity. Elucidating the concept of introspection, he reaffirmed his belief that every human being has been endowed with a unique potential by the Almighty. He expressed his concern over the young generation's excessive dependence on electronic gadgets. He ended his speech by saying that introspection and self regulation will discipline every individual and make him socially relevant.

Mr. Jaipal Meel, Director, vowed to imbibe the teachings of elders and expounded his belief that the youth has immense energy which needs to be channelized on the righteous path. Prof. Raisinghani suggested to the teachers to set an example with their own conduct instead of being preachers. He elevated the atmosphere with his melodious patriotic song.

Prof. S. L. Surana, Director (Academics), described procrastination as the root



cause of failure. He stressed on the importance of punctuality and also detailed some of the prevalent malpractices amongst the students. Prof. Banthia recounted the bygone days and explained the meaning of the national song to the audience. On the occasion, faculty members who had got their papers published in SKIT Research Journal were also felicitated. At the end Prof. S.K. Calla proposed a formal vote of thanks.

## JLF AND PATRIKA SERIES LECTURE

Dr. Simon Singh visited the SKIT campus on 23 January 2015. Dr. Simon Singh is a British author, journalist and TV producer (BBC). He specializes in unraveling mathematical and scientific problems. He was welcomed by Prof. S. L. Surana, director (academics). His speech focused on mathematical tricks. Commencing his lecture with a game that defined probability, he apprised the audience about audio and visual effects on our receptors and sense organs. He also compared the effects of homeopathic and allopathic medicines as compared to allopath. In the end Dr. Singh motivated the students to work hard to reach the pinnacle of success. He also discussed his books Fermat's Last Theorem, The Big Bang (discussing models and origin of the universe) and The Code Book (discussing history of cryptography).

## DOCUMENTARY DRAMA

Docu. Drama club, in association with the Toastmaster's Club, staged William Shakespeare's masterpiece The Merchant of Venice. A tale of true friendship, love, vengeance and victory, the play presented an enthralling mélange of the ups and downs of Shakespeare's soliloquies, his witty and insightful expressions woven with the tunes of soulful music.

The play was edited and directed by Dr. Neha Purohit of the Department of English. The occasion was graced by Director (Academics), Dr. S. L. Surana, Director (D&W), Dr. S. K. Calla, Principal, Prof. Ramesh Pachar, Prof. Pramila Bafna, Dr. Sudha Calla and faculty members and students of various departments. Dr. Surana gave away the certificates of appreciation to the participants.





## NATIONAL UNITY DAY CELEBRATION

National Unity Day was celebrated in an ambience redolent with love and respect for the nation. On this day the dignitaries urged the students and faculty members to imbibe the teachings of the iron man, Sardar Vallabhbhai Patel. Mr. Jaipal Meel, Director, Dr. S. K. Calla Director, D & W, Prof. Ramesh Pachar, Principal and Prof. N. K. Banthia asked the audience to take a pledge to preserve the integrity of the country. A documentary depicting the life of the Sardar was also shown. An exhibition by the great visionary Sardar Vallabhbhai Patel, was also held in the library. A competition was also organized on the same day in which the following students emerged victorious:

- |  |  |
|--|--|
| 1. Chitransh Singh, III Sem., E.C.E    | 2. Abhishek Kumar Verma, I Year, Civil |
| 3. Deepak Jangir, I year               | 4. Prakher Khanna, I year, Mechanical  |
| 5. Paramjeet Singh, I year, Electrical |  |



## TEACHERS' DAY CELEBRATION

Teacher's Day was celebrated with great fervour on 5 Sep 2014. The programme was coordinated by the students of Mechanical Engineering department. The celebration witnessed the benign presence of the faculty members led by the head of the department. On the occasion Prof. Banthia, Head of the department, narrated his experiences of life. The other faculty members also recounted the experiences of their academic life. The celebration ended with thanks to the faculty members by the students.

## E-MOMENTUM 2014

*It's time again to spark a moment, It's time again to frame a goal,  
It's time again to make a difference, It's time again to lift a soul...*

TOPAZ, the Entrepreneurship Development Cell of SKIT, began its journey for the session 2014-2015 through "E-Momentum 2014", the Orientation Ceremony on 3 September 2014.

Keeping the true spirit of entrepreneurship and novelty alive, the Orientation Ceremony aimed at instilling the sense of entrepreneurship among the students and faculty members. "E-Momentum 2014" demonstrated that we are the masters of our fate and we are the captains of our souls.

Ms Maneesha Kaushik, Faculty Head, TOPAZ delivered a welcome note and briefed the gathering about TOPAZ and its mission to pursue excellence in all its endeavors. Mr. A.K. Gupta, CGM, RIICO presided over the ceremony as the Chief Guest. Mr. Ashish, Manager, Rajasthan Venture Capital Fund, Mr. Chintan Bakshi, Founder, Start-Up Oasis and Mr. Dilnawaz Khan, Founder, Start-Up Oasis graced the event as Guests of Honour.

Mr. Gupta spoke on the importance of creating more entrepreneurs as they play a major role in shaping our nation's economy. He highlighted the fact there have been many entrepreneurs who have taken India to greater heights and it is the high time to explore new avenues for their growth. He also stated that RIICO would extend help to the students in their start-ups and ventures. Mr. Ashish delivered a talk on "How Venture Capitalists and Angel Funds prove helpful in converting

innovative ideas into projects in the interest of society". His talk was indeed thought provoking. Mr. Bakshi spoke about the Memorandum of Understanding (MoU) signed between SKIT and Start-Up Oasis. He stated that students will be benefited by the MoU as it will create an entrepreneurial environment and ecosystem in the campus.

The E-Leaders staged a play on the entrepreneurial journey of Mahashay Dharampal, owner of MDH Spices. The play was a great success. The E-Leaders also screened TOPAZ After-movie which narrated the achievements of team TOPAZ for the session 2013-2014. Another events "Entrebus" grabbed everyone's attention and was well applauded by the audience.

The ceremony was presided over by Mr. Jaipal Meel, Director, SKIT, Prof. S.L. Surana, Director (Academics), SKIT and Dr. S.K. Calla, Principal, SKIT. Prof. M.L. Bhargava, Adviser, SKIT spoke on the versatility of the entrepreneurs and proposed a vote of thanks. The event was coordinated by Ms. Maneesha Kaushik, Faculty Head, TOPAZ. The ceremony was a great success.

## NATIONAL EDUCATION DAY

SKIT celebrated National Education Day on 11 November to commemorate the birth anniversary of Maulana Abul Kalam Azad, the first education minister of independent India. On this day, a competition was held and the students were asked to explore the details in journals and books. Students with the best facts were awarded. The activity was coordinated by Dr. Lalit Gehlot, Sr. Lecturer, Dept. of English.



## QUIZ ON NATIONAL INTEGRATION DAY

A quiz on national integration was organized on the occasion of National Integration Day, the birthday of Sardar Vallabh Bhai Patel, first home minister of India on 5 November, 2014 by ASME Student Section of SKIT. Ten teams (each with 4 members) from the students and faculty members of various departments participated in this competition. Questions were asked regarding the historical background of Indian Independence. Dr. N. K. Banthiya (HOD, ME) acted as the Quiz Master for this competition.

## SEMINAR ON ANSYS

A seminar on "ANSYS (CFD)" was organized on 19 September, 2014 for V and VII semester Mechanical Engineering students. Mr. Raj Singh (Alumni-2009 Batch, ME) discussed the importance and use of ANSYS simulation software to solve various industrial problems related to computational fluid dynamics.

## AN AWARENESS AND SENSITIZATION WORKSHOP ON "MAHATMA GANDHI - A MANAGEMENT GURU AND ENTREPRENEUR"

*A class apart, a heart of gold, A  
brilliant mind, a lesson still told.  
Righteousness and confidence was all he had,  
He could easily bring smiles to faces sad.  
Creativity and principles were at the core,  
We wish to know about him more and more...*

TOPAZ (Entrepreneurship Development Cell, SKIT) and Department of Management Studies organized an awareness and sensitization workshop on "Mahatma Gandhi - A

## WORKSHOP BY ROBOTICS CLUB

Robotics Club of SKIT organized a workshop on Pick and Place Robot on 22 September, 2014. Many students from various disciplines participated in this workshop. Mr. Gyanesh Kumar (VII Semester, ME), Mr. Priyanshu (V Semester, ME) and Mr. Prayag Meena (V Semester, ME) coordinated the workshop.

## VISHWAKARMA POOJA

Vishwakarma Pooja was organized on 17 September, 2014 in the Mechanical Workshop. His blessings were sought by the students as well as faculty members.

## FACULTY DEVELOPMENT ACTIVITIES

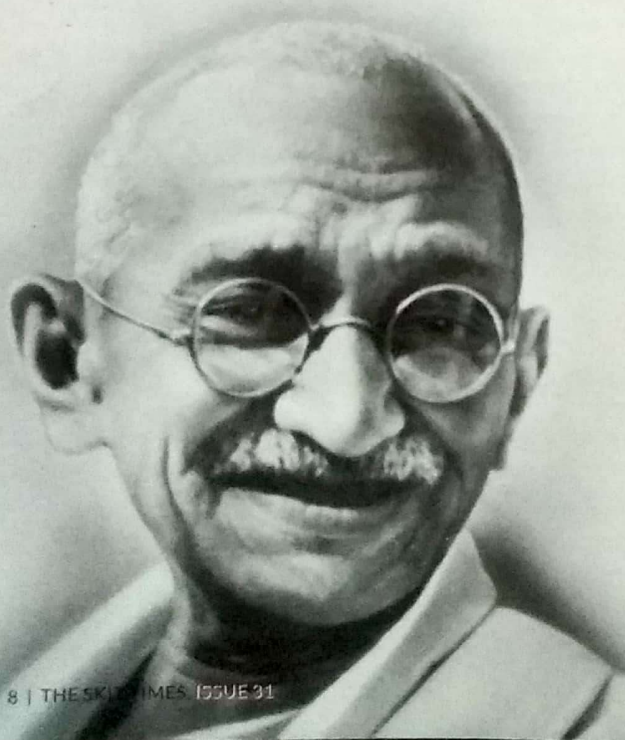
M/s Scientech Technologies displayed some of their trainer kits for Mechatronics laboratory on 12 December, 2014. Faculty members of Mechanical and Electrical Engineering Department attended this activity.

Management Guru and Entrepreneur" on 24 September, 2014. Keeping the Gandhian philosophies and ideologies alive, the workshop was organized in order to provide one an insight into the life of the great visionary and leader.

Dr. N.D. Mathur, Professor, University of Rajasthan presided over the workshop as the Chief Guest. He said that there is a Gandhian element in every one of us in the form of innovation, truth and conscience. He enumerated various qualities of Gandhiji which are not known to many. In his talk, he laid stress on Gandhian principles and his cardinals. Prof. Vikas Shrotriya, Head, DMS welcomed the audience and introduced the theme of the workshop. Prof. (Dr.) S.L. Surana, Director (Academics), SKIT spoke on the relevance of Mahatma Gandhi in current times. Prof. N.K. Banthiya, HOD, Mechanical Engineering Department, SKIT discussed Gandhi as an institution of learning. He highlighted that Gandhi is an inspirational leader whose every idea was priceless. Prof. S.P. Garg, Dean, DMS asked the audience to view Gandhi as the greatest Management Guru of the world as all his ideas are being translated into reality today by everyone around the world.

A documentary on Mahatma Gandhi left the audience spell-bound. The workshop witnessed students and faculty members participating enthusiastically from all departments. A Quiz Competition on Mahatma Gandhi's life was also organized as a part of the workshop. The winners were felicitated with a copy of Gandhi's autobiography "The Story of My Experiments with Truth" and a Certificate of Appreciation. Poems and Bhajans dedicated to Mahatma Gandhi filled the atmosphere with reverence for the Father of the Nation.

Ms. Maneesha Kaushik, Program Coordinator praised Gandhi for his thoughtful ventures and great ideologies. She also proposed a vote of thanks. The event proved to be highly beneficial and was a great success.





## WORKSHOP ON ACCREDITATION: CONTINUOUS IMPROVEMENT IN TEACHING LEARNING METHODOLOGY

A workshop on "Accreditation: Continuous Improvement in Teaching Learning Methodology" was organized in the Department of Mechanical Engineering by Mr. Dheeraj Joshi, Reader, Dept. of ME on 17 November, 2014. In the workshop, course files and lab manuals were updated as a part of a continuous process of improvement in teaching learning methodology.

Prof. N. K. Banthiya (HOD, ME) gave an expert lecture on "Teaching Aids and Techniques for Effective Teaching in the Class" as a part of Continuing Education for Faculty Development. Many faculty members from various departments attended this event. Dr. Banthiya discussed the efficient and effective use of PPT and OHP presentation. He also emphasized the techniques for improvement of teaching methodology.

## SOFT SKILLS CELL : FELICITATION CEREMONY

November has been a very lucky month for the students of third semester since they got a chance to show up for the ravishing felicitation ceremony organised by the Soft Skills Cell. The programme that regaled the audience for two hours was a sheer delight for all who witnessed the terrific performances. Prof. J. N. Sharma, Rtd. Prof. Jai Narayan Vyas University presided over the function as the chief guest. The background score was conducted by Amit Khilania on his guitar. Everyone applauded to the beautiful video on the theme, 'I am the change' in the Mechanical block seminar hall on November 19, 2014 at 1:30 pm. The ceremony commenced with a prayer offered to the Almighty in the melodious voice of Ms. Akansha Patel. It was a tickling time watching acts like Comedy Minutes with Sahil, Satyamev Jayate, group song, play, parody and more. The events were followed by the felicitation of meritorious students from the various branches who had showcased their capabilities during the 14 sessions of the programme. Poetry recitation and Rendezvous with Aakarshak left a deep impression on the audience. The variegated elements of the programme clubbed up to be a big hit. Prof. S. L. Surana, Director Academics blessed the students with his motivational words of wisdom. Dr. Nidhi Sharma proposed the formal vote of thanks to the honourable guests.

## SEMINAR BY PCRA

Petroleum Conservation Research Association (PCRA) organized a seminar for awareness on conservation and efficient use of energy. Various techniques of conserving the energy were discussed during seminar. The faculty members and students got abreast of the latest technologies in this field.

## WIND RESOURCE ASSESSMENT SOFTWARE

A demonstration of wind resource assessment software based on CFD simulation was arranged for the faculty members of Department of Mechanical Engineering on 15 October, 2015. This software provides facility in optimization of different parameters related with a wind turbine site allocation. It is one of the best simulation tool in the selection of site, blade length, height of the wind turbine, performance, characteristics, etc. for wind turbine installation.



## IIT TECHFEST - ZONAL COMPETITION

Techfest is IIT Bombay's annual international science and technology festival started in 1998 and has since grown to be Asia's largest technical festival. The event comprises two rounds. The zonal round and the finals are to be held in IIT Bombay. The North zonal competition of the event was organized in SKIT on 28 September 2014. Mr. Ashish Nayyar (Reader, ME) and Mr. Sudhanshu Chhajed (Lecturer, ME) were the faculty coordinators and Mr. Priyanshu (V Semester, ME) and Mr. Prayag (V semester, ME) were the student coordinators for this event. The Zonal competition comprised three events, viz. Codeblitz, Mechatron and Vortex. Some 250 students from around 25 colleges, including various IITs and NITs from all over North India including SKIT participated in the event. The following students of SKIT won prizes:

Name of the competition	Winner (English)	Winner (Hindi)
Debate Competition	I Rank-Gulnaaz (B. Tech. I yr. Sec. Q), II Rank Vinayak (B. Tech. I yr. Sec.E), III Rank - Vaibhav Gautam (B. Tech. I Yr. Sec.F)	I Rank- Divesh Sharma (B. Tech. I yr., Sec. Q), II Rank- Deepti Bansal, (B. Tech. I Yr. Sec. K)
Poetry Recitation Competition	I Rank-Tanushri, II Rank-Navjeet & Pulkit, III rank- Akshay	I Rank - Deepti II Rank - Vandana III Rank - Tanu
Essay Writing Competition	I Rank-Ravita Singh II Rank-Nishtha Shukla III Rank-Gulnaaz Nayab	



S. No	Name of Event	Position	Cash Prize (Rs)	Student Names
1	Mechatron	II	3000/-	Mr. Ankit Jangid (V Semester, EC) Mr. Ankit Dubey (V Semester, EC)
2	Vortex	II	3000/-	Mr. Priyanshu Jain (V Semester, ME) Mr. Prayag Meena (V semester, ME) Mr. Anurag(V Semester, IT)

## CARVING A NICHE IN SPORTS

When it comes to sports, Skitians always have an upper hand. This sporting season was full of action with SKIT leaving a mark wherever it competed. All the tournaments were successfully coordinated by Mr. Hiralal Chaudhary, Incharge, Dept. of Sports and physical training. The details of students participation is as under:

Organiser	Category	Rank	Participants / Representatives
Rajasthan Technical University, Kota	West Zone Volleyball Tournament, Udaipur	Representation in RTU team	Ankit Jat, Yuvraj singh
Rajasthan Technical University, Kota	West Zone Badminton Tournament, Bhopal	Representation in RTU team	Mayank Soni, Yash Vijay, Nivedita Jha
Rajasthan Technical University, Kota	West Zone Basket Ball Tournament, Banasthali Vidyapeeth	Representation in RTU team	Manali Khatri, Tarushi Sharma
IIT, Jodhpur	Volleyball	Winner	
IIT, Jodhpur	Basketball	Runnerup	
Balaji College of Engineering, Jaipur	Football Tournament, Basketball tournament (Male)	Winner	
Balaji College of Engineering, Jaipur	Basketball Tournament ( Female)	Runner-up	
Manipal University, Jaipur	Cricket Championship	Runner-up	
Indian College Basketball League	Basketball Tournament ( Female)	Winner	Best Player: Yuvraj Singh ( III year, Civil ) Rising player: Yogesh Sarola (MBA I Year)
National Basket ball Tournament organized by Basketball federation of India in collaboration with Reliance Industries	Basketball tournament (Boys)	Stood in first four teams amongst 22 teams from across India .	



## WORKSHOP EYES

A three-day workshop on Enhance Your Employability Skills (EYES) was successfully organized from 13-15 October 2014. It was coordinated by Dr. Savita Choudhary and Prof. (Dr.) Vikas Shrotriya.

## WORKSHOP ON SELF DEFENSE

A workshop on self defense was organized on 12 Nov. The workshop elucidated the principles for self defense and got the students trained in the same. Avi Sharma coordinated the activity under the guidance of Dr. Lalit Gehlot, Sr. Lecturer, Dept. of English.



## EXHIBITION ON BARC TECHNOLOGIES

Exhibition on Bhabha Atomic Research Centre (BARC) Technologies was organized from 5-6 September at Malaviya National Institute of Technology (MNIT), Jaipur. It was for the first time that such an activity was organized in the northern region. Thirty-two (32) students of III Semester from the department of Mechanical Engineering, with Mr. Brij Mohan Sharma (Sr. Lecturer, ME) and Mr. Sudhanshu Chhajed (Lecturer, ME) visited this exhibition on September 6, 2014. They also participated in the quiz related to nuclear energy, nuclear power plants and won prizes.

## 29<sup>TH</sup> NATIONAL CONVENTION OF COMPUTER ENGINEERS AND NATIONAL SEMINAR ON EMERGING TECHNOLOGIES IN COMPUTER ENGINEERING

Department of computer science and engineering organized the 29<sup>th</sup> National Convention and National Seminar on Emerging Technologies in Computer Engineering in association with the Institution of Engineers under the aegis of Computer engineering board on 7-8 Feb. 2015. The seminar aimed to bring together scientists, engineers, technologists and researchers working in academic institutes, research laboratories and industries on a common platform to interact with one another and to provide an opportunity to present their work as well as exchange information and understanding on recent advancement in the field of Computer Engineering.

The conference included invited talks and contributed papers on emerging areas by eminent experts from various academic and research organizations as well as industries. The inaugural ceremony witnessed the benign presence of Shri Ashok Jain, Additional Chief Secretary, Govt. of Rajasthan as the chief guest. Dr. Sandeep Sancheti, President, Manipal university was the guest of honour. Other invitees included Prof. G.S. Dangayach (Chairman FIE, IEI, RSC), Mr. K. Rajanikanth (Chairman CPDB, IE(I)), Prof. Vinit Sahula. Chairman Mr. Surja Ram Meel extended a warm welcome to the dignitaries and sought their support in enhancing research work amongst the students. The President of IE, Dr. L. V. Muralikrishna elaborated on the grants available for those who are ready to take up innovative projects. Chief guest Mr. Ashok Jain threw light on the role of computers in the election process. Dr. Sancheti spoke about the revolution in IT sector and how it affected the social and personal lives of all human beings. Young engineers from across the country were

## SAEINDIA NATIONAL CONVENTION

Forty five students of SKIT participated in SAEINDIA National Convention held at MNIT, Jaipur on 13 September 2014. They were accompanied by Mr. Ashish Nayyar, Reader and Mr. Rajendra Singh Chundawat, Lecturer. More than 14 colleges and 1000 students participated in this convention. Eminent speakers delivered lectures on lubricants, automobile seat design and future aspects of the automobile industry.

Student teams participated in various competitions i.e. poster presentation, paper presentation and student project display and also won prizes in the following competitions:

## CERTIFICATION FROM CAMBRIDGE

Dr. Neha Purohit, Senior Lecturer in the Department of English, has qualified as a speaking examiner for the Business English Certificate (BEC-Preliminary), conducted by the prestigious Cambridge University, UK.

Dr. Purohit achieved this qualification after clearing several stages of screening in the domain of Listening and Speaking skills. She has successfully completed her first assignment as a speaking examiner at Mody University of Science and Technology, Laxmangarh.



also awarded on the occasion for their outstanding contribution to foster the cause of technology and engineering.

Six technical sessions were held during the two days. They included mobile platform security by Prof. M. S. Gaur (Professor, MNIT, Jaipur) who expressed his views on enabling mobility across the entirety of an organization which requires the orchestration of many mobile technologies. The technical session of Dr. Virender Singh, Prof. IIT, Mumbai was centred around data centres, extreme scale computing and architectures from extensibility. Dr. Vijay Rao, Scientist, DRDO discussed how computational intelligence can be helpful in solving many complex issues in his talk on "Computational Intelligence In Military Systems". Dr. Chhagan Lal, Manipal University Jaipur spoke on Video Streaming in Mobile Ad Hoc Networks. He emphasized that reactive routing outperforms proactive routing methods due to their low routing overhead and better adaptation to dynamic nature of MANETs. The presentation by Dr. N. S. Chaudhary, Prof. IIT, Indore focused on classifying computational problems related to inherent difficulty. Several research papers were also presented during the two days. Thus the seminar proved a boon to augment the understanding of Web Application Development, Cloud & Green Computing, Mobile & Pervasive Computing, Data Mining, Security & many more research areas.



S. No	Category	Poster/Project theme	Position	Cash Prize (Rs)	Student Names
1	Poster Presentation	Recent Trends in automobile sector	I	3000	Jaijeet (IV Year)
2	Student Project Display	E- Rickshaw	II	2000	Trivedi Kaushik (Batch 2014)
		ATV ( All Terrain Vehicle )	Consolation	-	Devesh Jain and Team

## RESEARCH PAPERS PUBLISHED

- TITLE** : Language Games: A Pedagogical Approach towards Gaining Communicative Competence for the Weaker L2 Learners  
**JOURNAL** : International Journal of English Language, Literature and Humanities (IJELLH), ISSN 2321-7065, an indexed, refereed and peer-reviewed journal, Volume II, Issue IX, January 2015.  
**AUTHOR** : Dr. Neha Purohit, Sr. Lecturer, Dept. of English
- TITLE** : Historical V/S Shavian Woman : A Study of Cleopatra and St. Joan  
**JOURNAL** : Research Scholar An international Referred Journal of Literary Explorations, Impact Factor O.998, ISSN 2320-6101, March 2015  
**AUTHOR** : Dr. Niraja Saraswat, Reader, Dept. of English
- TITLE** : Misconceptualizing Human Identity: Utter Confusion of Sectarian Singularity  
**JOURNAL** : International Journal of English Language and Literature; Impact Factor 0.746; vol.2, issue 1; Journal; 2014; ISSN: 2278-2508.  
**AUTHOR** : Dr. Lalit Gehlot, Sr. Lecturer, Dept. of English
- TITLE** : Identifying Major Conflicts Among the Blacks  
**JOURNAL** : International Journal of English and Education (IJEE), July 2014, vol.3, Issue 3; ISSN no.2278-4012; Impact Factor: 0.265.  
**AUTHOR** : Dr. Lalit Gehlot, Sr. Lecturer, Dept. of English
- TITLE** : Expediency Subsumed in Education  
**JOURNAL** : International Journal of Linguistics and Literature (IJLL); ISSN(P): 2319-3956; ISSN(E): 2319-3964; Vol. 3, Issue 5, Sep 2014, 15-22 © IASET; Impact Factor: 2.98; Index Copernicus Value(ICV): 3.0.  
**AUTHOR** : Dr. Lalit Gehlot, Sr. Lecturer, Dept. of English
- TITLE** : African American Religion and White Christianity  
**JOURNAL** : International Journal of Linguistics and Literature (IJLL); ISSN(P): 2319-3956; ISSN(E): 2319-3964; Vol. 3, Issue 5, Sep 2014, 15-22 © IASET; Impact Factor: 2.98; Index Copernicus Value(ICV): 3.0.  
**AUTHOR** : Dr. Lalit Gehlot, Sr. Lecturer, Dept. of English
- TITLE** : Gain and Bandwidth Enhancement of Rectangular Patch Antenna with Trapezoidal Slot for Wi-max Applications.  
**JOURNAL** : International Journal of Engineering Research & Technology, Vol.3, Issue 11, Nov. 2014, ISSN - 2278-0181  
**AUTHOR** : Dr. Komal Sharma, Reader, Department of Physics
- TITLE** : Compact Circular Microstrip Patch Antenna with Modified Ground Plane for Broadband Performance  
**JOURNAL** : Signal Propagation and Computer Technology (ICSPCT), 2014 International Conference, ISBN 978-1-4799-3139-2, INSPEC Accession Number: 14544889, page(s): 25-28, <http://ieeexplore.ieee.org/Xplore>.  
**AUTHOR** : Dr. Braj Raj Sharma, Reader, Dept. of Physics
- TITLE** : Compact Dual Band Microstrip Patch Antenna for Wi- Max Communication Systems  
**JOURNAL** : Signal Propagation and Computer Technology (ICSPCT), 2014 International Conference, ISBN 978-1-4799-3139-2, INSPEC Accession Number: 14544889, page(s): 741 - 744, <http://ieeexplore.ieee.org/Xplore>  
**AUTHOR** : Dr. Braj Raj Sharma, Reader, Dept. of Physics
- TITLE** : Circularly Polarized Broadband Triangular Microstrip Antenna with Slits For C Band  
**JOURNAL** : Signal Propagation and Computer Technology (ICSPCT), 2014 International Conference, ISBN 978-1-4799-3139-2, INSPEC Accession Number: 14544889, page(s): 438 - 441, <http://ieeexplore.ieee.org/Xplore>  
**AUTHOR** : Dr. Braj Raj Sharma, Reader, Dept. of Physics
- TITLE** : Compact CPW Fed Rectangular Patch Antenna with T Slot for Wireless Communication systems  
**JOURNAL** : IEEE Conference Proceeding of CALCON 2014 organized by IEEE Kolkata Section, November 7-8, 2014, ISBN 978-93-833-0383-0, page(s): 106-109.  
**AUTHOR** : Dr. Braj Raj Sharma, Reader, Dept. of Physics
- TITLE** : LRS Bianchi Type II Tilted Barotropic Fluid Cosmological Model with Heat Conduction in General Relativity  
**JOURNAL** : Gravitation and Cosmology, 2015, vol. 21, No. 1, pp.76-81



# RESEARCH

**AUTHOR** : Dr. Pramila Kumawat, Reader, Dept. of Mathematics

**TITLE** : Experimental Investigation of the Performance of VCR Diesel Engine Fuelled by NM-Diesel Blend

**JOURNAL** : International Journal of Emerging Technology and Advanced Engineering, Vol. 4, Issue-8, August 2014, ISSN 2250-2459, Page 122-125

**AUTHOR(S)**: Mr. Chandan Kumar, Mr. Manish Bafna, Mr. Ashish Nayyar, Mr. Ved Parkash and Mr. Nitin Goyal, Dept. of ME

**TITLE** : A Unified Approach to Fractional Calculus Pertaining To Aleph-function

**JOURNAL** : International Journal of Mathematics And Computer Application Research (ijmcar), Vol. 4, Issue 4, August, 2014, 21-32.

**AUTHOR** : Mr. N. K. Jangid, Sr. Lecturer, Dept. of Mathematics

**REMARKS** : The paper won Best Paper Award By International Journal of Mathematics And Computer Application Research (IJMCAR).

**TITLE** : On Certain Inequalities Pertaining To I-Function

**JOURNAL** : International Journal of Science and Research (IJSR), Vol. 3, Issue 12, December, 2014.

**AUTHOR** : Mr. N. K. Jangid, Sr. Lecturer, Dept. of Mathematics

**TITLE** : Double Inequalities For The I-Function

**JOURNAL** : An International Journal of Engineering, Science, Humanities and Management, Vol 4(2).

**AUTHOR** : Mr. N. K. Jangid, Sr. Lecturer, Dept. of Mathematics

**TITLE** : Efficient Density based Clustering of Zonal Followers for Small Region on Twitter

**JOURNAL** : International Journal of Computer System, Vol 1(1), pp:10-13

**AUTHORS** : Ms. Nidhi Jain, Mr. Basant Agarwal, Mr. Mukesh Kumar Gupta, Dept. of CSE

**TITLE** : Improved DB-SCAN for Detecting Zonal Followers for Small Regions on Twitter  
Conference proceedings : In Second International Conference on Information

Systems Design and Intelligent Applications, Springer, 2015.

**AUTHORS** : Ms. Nidhi Jain, Mr. Basant Agarwal, Mr. Mukesh Kumar Gupta, Dept. of CSE

**TITLE** : Wideband Slow Surface Plasmons in Double Resonator Plasmonic Grating Waveguide

**JOURNAL** : IEEE Photonics Technology Letters Vol. 26, No. 22, November 15, 2014.

**AUTHOR** : Ms. Rukhsar Zafar, Sr. Lecturer, Dept. of ECE

**TITLE** : Design And Analysis of Miniaturized Compact Microstrip Patch Antenna on a Double Negative Metamaterial

**JOURNAL** : IPASJ International Journal of Electronics & Communication (IIJEC), Volume 2, Issue 12, December 2014 and Paper Id : IIJEC-2014-12-02-6

**AUTHORS** : Ms. Shubhi Jain, Mr. Pallav Rawal, Mr. Neeraj Jain, Dept. of ECE

**TITLE** : Wideband Slow Surface Plasmons in Double Resonator Plasmonic Grating Waveguide  
Coference Proceedings: IEEE Photonics Technology Letters, Vol. 26, No. 22, November 15, 2014.

**AUTHORS** : Ms. Shubhi Jain, Mr. Pallav Rawal, Mr. Neeraj Jain, Dept. of ECE

**TITLE** : Generalized Fractional Integral Associated with H-function

**JOURNAL** : International Journal of Computational Science and Mathematics, Volume 6, Number 1 (2014), pp. 21-28.

**AUTHOR** : Dr. Vijay Kumar Singhal, Sr. Lecturer, Dept. of Mathematics

**TITLE** : Trust: The Essential and Elusive Ingredients in Organization

**JOURNAL** : BVIMR Management Edge, Vol.7 No.2, January - June 2014

**AUTHOR** : Dr. Ona Ladiwal, Sr. Lecturer, Dept. of MBA

**TITLE** : Super Resolution image Reconstruction using Wavelet Lifting Schemes

**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN 2278-2508, Volume 4, Issue



2 : 2014  
**AUTHOR** : Mr. S. R. Dogiwal, Mr. Y. S. Shisodiya, Mr. Abhay Upadhyaya, Dept. of CSE

**TITLE** : Intensification of 4 way Handshaking in IEEE802.11i  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Mr. Kapil Dev Sharma and Mr. Pankaj Dadhhech, Dept. of CSE

**TITLE** : Performance Analysis of BCD Multipliers with Vedic BCD Multiplier  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Mr. Arvind Kumar Mehta and Mr. Vipin Jain, Dept. of CSE

**TITLE** : Smart Grid Initiatives In India  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Ms. Smriti Jain, Prof. S. L. Surana and Mr. Akash Saxena, Dept. of EE

**TITLE** : P-Q Theory Based Power Quality Improvement in Three Phase Four Wire Distribution System  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Prof. Ramesh Pachar, Mr. Akash Saxena and Mr. Chandan Rambabu Singh, Dept. of EE

**TITLE** : A Solution to Capacitor Placement Problem for the Minimization of Power Loss in Distribution Systems  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Mr. Sarfaraz Nawaz and Mr. Ankush Tandon, Dept. of EE

**TITLE** : Optical and Dielectric Properties of Pulsed Laser Deposited Nanocrystalline ZnTiO Thin Films  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Mr. Praveen K. Jain, Prof. R. K. Jain, Mr. Mohammad Salim and Mr. Davinder Kaur, Dept. of Physics and Dept. of ECE.

**TITLE** : Comparative Study between Elliptical Ring and Square Ring Sensor Based on Plasmonic MIM Waveguide  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Mr. Ashish Varshney, Ms. Rukhsar Zafar and Mr. Mohd. Salim, Dept. of ECE

**TITLE** : Analysis and Synthesis of LMS and RLS Equalization under QAM Modulation Techniques  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Ms. Shinu Soni and Mr. Ankit Agarawal, Dept. of ECE

**TITLE** : Crescent Slot Eight Shape Microstrip Patch Antenna for Ultra-wideband  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Ms. Vinita Agrawal, Dept. of ECE

**TITLE** : Online Retailing / E-tailing in India – Opportunities and Challenges  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Mr. Upendra Kumar, Ms. Dimple and Mr. Ran Vijay Kumar, Dept. of ME

**TITLE** : Design, Development and Testing of Human Powered Recumbent Tricycle  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Mr. Ajay Dhanopia, Mr. Shyam Khandelwal, Mr. Dilip Garg, Mr. Trivedi Kaushik and Mr. Alok Mathur, Dept. of ME

**TITLE** : Radiation Performance of a Compact CPW Fed Modified Rectangular Patch antenna  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and Management, ISSN2278-2508, Volume 4, Issue 2 : 2014  
**AUTHOR** : Dr. Brajraj Sharma, Dept. of Physics

**TITLE** : Synthesis and Characterization of Fused Pyrazole Derivatives of Ethoxypthalimide  
**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science, Humanities and



Management , ISSN2278-2508 ,Volume 4, Issue 2 ; 2014

**AUTHOR** : Dr. Swati Joshi and Mr. G. L. Talesara, Dept. of Chemistry

**TITLE** : Inventory Model for Deteriorating Items with Inventory Dependent Demand Rate and Shortages

**JOURNAL** : SKIT Research Journal, an international journal of Engineering , Science , Humanities and Management, ISSN2278-2508 ,Volume 4, Issue 2 ; 2014

**AUTHOR** : Mr. Vivek Vijay , Dept. of Mathematics

**TITLE** : Double Inequalities for the I- Function

**JOURNAL** : SKIT Research Journal, an international journal of Engineering, Science , Humanities and Management, ISSN2278-2508 ,Volume 4, Issue 2 ; 2014

**AUTHOR** : Mr. Nawal Kishore Jangid , Dept. of Mathematics

**TITLE** : The Invisible Entrepreneurs : Barriers to women Achieving their Entrepreneurial Potential

**JOURNAL** : SKIT Research Journal, an international journal of Engineering , Science , Humanities and Management , ISSN2278-2508 ,Volume 4, Issue 2 ; 2014

**AUTHOR** : Ms. Maneesha Kaushik, Dept. of Management studies

**TITLE** : Self and Nation in Rushdie's Midnight's Children

**BOOK** : Indian Booker Prize Winners Images and Imaginations by Vivekanand Jha and Rajnish Mishra , Access Publication , ISBN 978-93-82647-03-4

**AUTHOR** : Dr. Nidhi Sharma, Reader, Dept. of English

## RESEARCH PAPERS PRESENTED

**TITLE** : Secure and Energy Efficient Routing Algorithm for Wireless Sensor Networks

**CONFERENCE** : IEEE International Conference on Contemporary Computing & Informatics (IC3I)

**DATE** : 27-28 November 2014

**VENUE** : Shri Jayachamarajendra College of Engineering, JSS Technical Education Campus, Mysore, Karnataka, India

**PRESENTER** : Mr. Vinod Menaria, Sr. Lecturer, Dept. of CSE

**TITLE** : Social Environment in the American Society

**DATE** : 28 January 2015

**VENUE** : O P Jindal University, Sonipath

**CONFERENCE** : Indian Society of Commonwealth Literature (ISCS) Conference

**PRESENTER** : Dr. Lalit Gehlot, Sr. Lecturer, Dept. of English

**TITLE** : LRS Bianchi Type II tilted bulk viscous fluid

**CONFERENCE** : model in general relativity.

**CONFERENCE** : 17th International Conference of International Academy of Physical Science. (coniaps xvii)

**DATE** : 16-18 January, 2015

**ORGANISED BY** : University of Rajasthan , Jaipur

**PRESENTER** : Dr. Pramila Kumawat, Reader, Dept. of Mathematics

**TITLE** : Productivity Enhancement and Cost Benefits through Ergonomic Intervention in Small Scale Industries: A Review

**CONFERENCE** : 18th International Conference of Society of Operations Management

**DATE** : 12-14 December, 2014

**ORGANISED BY** : Department of Management Studies, IIT Roorkee

**VENUE** : IIT Roorkee

**PRESENTER** : Mr. Manoj Kumar Sain, Reader, Dept. of ME

**TITLE** : The Effect of Exhaust Gas Recirculation (EGR) on Emission Control in Diesel Engine

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. Jitendra Kumar Upadhyay, Mr. Ashish Nayyar, Dept. of ME

**TITLE** : The Future of Indian Mobility: Driverless Car

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. Ajay Dhanopia, Dept. of ME

**TITLE** : Micro Electro Mechanical System- Design and Fabrication

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Ms. Namita Soni, Ms. Monika Khurana, Mr. Nitin Goyal, Dept. of ME

**TITLE** : Role of Dielectric Fluid on Electric Discharge Machine Performance: A Review

**CONFERENCE** : National Conference on Recent Advances



and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. Ved Parkash, Ms. Suman Bandoliya, Mr. Chandan Kumar, Mr. Lokesh Godara, Dept. of ME

**TITLE** : Quality Assurance of Engineering Education in the 21st Century: An Indian Perspective

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. Dheeraj Joshi, Reader, Dept. of ME

**TITLE** : Factories of Future

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. D. Hariyani, MS. Poonam Ajwani, Mr. A. K. Mathur, Dept. of ME

**TITLE** : Latest Trends in Automobiles

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. Sushil Surana, Mr. Chandan Kumar, Dept. of ME

**TITLE** : Assessment of Lifelong Learning Skills

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. Dinesh Kumar Sharma, Prof. N.K. Banthiya, Mr. Alok Mathur, Dept. of ME

**TITLE** : Graduate Attributes and Formulation of Programme Outcomes for Undergraduate Degree Programme in Mechanical

Engineering

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Prof. N.K. Banthiya, Ms. Sarita Choudhary & Mr. Ankit Agarwal, Dept. of ME

**TITLE** : Experimental Study and Assessment of Performance of a 100 kW Solar PV Plant Installed at SBTC Jaipur.

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. Vinay Kumar, Dept. of ME

**TITLE** : Performance Analysis of a CNC Turning Centre using Process Capability Study

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. Manoj Kumar Sain, Ms. Sarita Choudhary, Mr. Deepankar Pacheria, Mr. Arun Beniwal, Dept. of ME

**TITLE** : Lean Manufacturing: A Manufacturing System for Waste Reduction

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Mr. Praveen Saraswat, Mr. Deepak Kumar, Mr. Satish Kumar, Dept. of ME

**TITLE** : FEM Analysis of High Velocity Impact on Composite Laminated Plate

**CONFERENCE** : National Conference on Recent Advances and Future Directions in Mechanical Engineering

**DATE** : 7-8 November, 2014.

**VENUE** : SKIT, Jaipur

**ORGANISED BY** : Department of Mechanical Engineering, SKIT, Jaipur

**PRESENTER** : Ms. Suman Anand, Mr. Aditya Sharan Singh,



Mr. Jaygovind Verma, Mr. Sunil Kumar,  
Dept. of ME

**TITLE** : Lubricant Viscosity and Viscosity Improver  
Additive Effects on Diesel Fuel Economy  
**CONFERENCE** : National Conference on Recent Advances  
and Future Directions in Mechanical  
Engineering  
**DATE** : 7-8 November, 2014.  
**VENUE** : SKIT, Jaipur  
**ORGANISED BY** : Department of Mechanical Engineering,  
SKIT, Jaipur  
**PRESENTER** : Mr. Bhaskar Sharma, Mr. Nitin Goyal, Mr.  
Sanjay Choudhary, Mr. Monu Gupta, Dept.  
of ME

**TITLE** : Vehicle Seat Design: Recent Developments  
**CONFERENCE** : National Conference on Recent Advances  
and Future Directions in Mechanical  
Engineering  
**DATE** : 7-8 November, 2014.  
**VENUE** : SKIT, Jaipur  
**ORGANISED BY** : Department of Mechanical Engineering,  
SKIT, Jaipur  
**PRESENTER** : Mr. Sudhanshu Chhajed, Mr. Yogesh Kumar  
Sharma, Mr. Rajendra Singh Chundawat,  
Mr. Bhaskar Sharma, Dept. of ME

**TITLE** : Performance and Emissions of Natural Gas  
Fuelled Internal Combustion Engine: A  
Review  
**CONFERENCE** : National Conference on Recent Advances  
and Future Directions in Mechanical  
Engineering  
**DATE** : 7th & 8th November, 2014.  
**VENUE** : SKIT, Jaipur  
**ORGANISED BY** : Department of Mechanical Engineering,  
SKIT, Jaipur  
**PRESENTER** : Mr. Monu Gupta, Ms. Monika Khurana, Ms.  
Namita Soni, Mr. Nitesh Mudgal, Dept. of  
ME

**TITLE** : Design of Turbulent Models for the Flow  
over NACA 4412 Airfoil  
**CONFERENCE** : National Conference on Recent Advances  
and Future Directions in Mechanical  
Engineering  
**DATE** : 7-8 November, 2014.  
**VENUE** : SKIT, Jaipur  
**ORGANISED BY** : Department of Mechanical Engineering,  
SKIT, Jaipur  
**PRESENTER** : Mr. Sandeep Gurjar, Mr. Parth Bhardwaj,  
Mr. Chandan Kumar, Ms. Priyanka Gupta,  
Dept. of ME

**TITLE** : Information and Communication  
Technologies (ICT) for an Intelligent Factory  
of Future

**CONFERENCE** : National Conference on Recent Advances  
and Future Directions in Mechanical  
Engineering  
**DATE** : 7-8 November, 2014.  
**VENUE** : SKIT, Jaipur  
**ORGANISED BY** : Department of Mechanical Engineering,  
SKIT, Jaipur  
**PRESENTER** : Mr. Keshav Jakhota, Mr. Sudesh Garg, Mr.  
D. Hariyani, Dept. of ME

**TITLE** : Risk Based Maintenance (RBM): A Recent  
Maintenance Strategy  
**CONFERENCE** : National Conference on Recent Advances  
and Future Directions in Mechanical  
Engineering  
**DATE** : 7-8 November, 2014.  
**VENUE** : SKIT, Jaipur  
**ORGANISED BY** : Department of Mechanical Engineering,  
SKIT, Jaipur  
**PRESENTER** : Mr. Virendra Kumar Nagar, Mr. Brij Mohan  
Sharma, Mr. Pramod Jain, Mr. Saurabh  
Gupta, Dept. of ME

**TITLE** : Simulation of Non-Premixed Flame of  
Natural Gas  
**CONFERENCE** : National Conference on Recent Advances  
and Future Directions in Mechanical  
Engineering  
**DATE** : 7-8 November, 2014.  
**VENUE** : SKIT, Jaipur  
**ORGANISED BY** : Department of Mechanical Engineering,  
SKIT, Jaipur  
**PRESENTER** : Mr. Chandra Mohan Kumar, Mr. Surendra  
Singh, Mr. Manish Bafna, Dept. of ME

**TITLE** : Anthropometric Consideration in Designing  
a Workstation – A Review  
**CONFERENCE** : National Conference on Recent Advances  
and Future Directions in Mechanical  
Engineering  
**DATE** : 7-8 November, 2014.  
**VENUE** : SKIT, Jaipur  
**ORGANISED BY** : Department of Mechanical Engineering,  
SKIT, Jaipur  
**PRESENTER** : Mr. Shoaib Khan, Mr. Sudesh Garg, Mr.  
Sanjay Bairwa, Mr. D. Hariyani, Dept. of ME

**TITLE** : Effect of Compression Ratio on  
Performance and Emission Characteristics  
of Spark Ignition Engine Fueled with  
Alternative Fuels  
**CONFERENCE** : National Conference on Recent Advances  
and Future Directions in Mechanical  
Engineering  
**DATE** : 7-8 November, 2014.  
**VENUE** : SKIT, Jaipur  
**ORGANISED BY** : Department of Mechanical Engineering,  
SKIT, Jaipur



- PRESENTER** : Mr. Ankit Agarwal, Mr. Laduram Kumawat, Mr. Sandeep Kumar Bhaskar, Mr. Sanjay Choudhary, Dept. of ME
- TITLE** : Channel Equalization Using QRD Based Adaptive Algorithm for QAM Signals
- CONFERENCE** : First. International Conference on Recent cognizance in wireless communication & image processing-ICRCWIP-2014, Jan 2015.
- PRESENTERS** : Mr. Nitin Sharma, Mr. Jay Prakash Vijay and Mr. Ankit Agrawal, Dept. of ECE
- TITLE** : A Simple Method to Model Dye Sensitized Solar Cell
- CONFERENCE** : National Conference on Materials and their Energy Applications (NCME-14)
- PRESENTERS** : Ms. Namrata Hada, Mr. Ankit Gupta, Mr. P.K. Jain, Prof. R.K. Jain, Dept. of ECE and Dept. of Physics
- TITLE SEMINAR** : Value of Values of Ethics
- PRESENTERS** : National Seminar on "Education for Enhancing Ethics & Excellence"
- PRESENTERS** : Dr. Ona Ladiwal, Mr. Atul Gupta, Sr. Lecturer, Dept. of MBA
- TITLE** : Optimal Reconfiguration of Electrical Distribution Network Using Selective Particle Swarm Optimization Algorithm
- CONFERENCE** : IEEE International Conference on Power, Control and Embedded System (ICPCES-2014) at MNNIT Allahabad
- DATE** : 26-28 December, 2014
- PRESENTER** : Mr. Ankush Tandon, Sr. Lecturer, Dept. of EE
- TITLE** : Transmission Constrained Economic Load Dispatch Using Biogeography Based Optimization
- CONFERENCE** : 2014 IEEE International Conference on Computational Intelligence and Computer Research.
- DURATION** : 18-20 December 2104
- PRESENTER** : Mr. Jinendra Rahul, Dept. of EE
- TITLE** : Analysis of State Estimation for Power System using Weighted Least Square Method
- CONFERENCE** : 2014 IEEE International Conference on Computational Intelligence and Computer Research
- DURATION** : 18-20 December 2014
- PRESENTER** : Mr. Jitendra Singh, Sr. Lecturer, Dept. of EE
- TITLE** : Design of Damping Controller for Multimachine Power System by using Simplified Swarm Optimization
- CONFERENCE** : 2014 IEEE-International conference on Computational Intelligence and Computing Research
- DURATION** : December 2014
- PRESENTER** : Mr. Balbhav Bishal, Mr. Akash Saxena, Dept. of EE
- TITLE** : A Comparative Analysis of SPSO and BPSO for Power Loss Minimization in Distribution System Using Network Reconfiguration
- CONFERENCE** : IEEE International Conference on Innovative Applications of Computational Intelligence on Power, Energy and Controls with their Impact on Humanity (CIPECH-14) organised by KIET Gaziabad.
- DURATION** : 28th-29th Dec. 2014
- PRESENTER** : Mr. Ankush Tandon, Sr. Lecturer, Dept. of EE
- TITLE** : An Approach for Virtual Machine Image Security.
- CONFERENCE** : Proceedings on International Conference on Signal Propagation and Computer Technology, IEEE Delhi Section
- DATE** : July 2014
- AUTHOR** : Ms. Anjali Pandey, Sr. Lecturer, Dept. of CSE
- TITLE** : Request allocation and Resource Management Techniques in Cloud Computing
- VENUE** : International Conference on Recent cognizance in wireless communication & image processing-ICRCWIP-2014 (ICRCWIP2014)
- AUTHOR** : Mr. Mehul Mahrishi, Sr. Lecturer, Dept. of CSE
- TITLE** : A Novel Framework for Extracting GeoSpatial Information using SPARQL Query & Multiple Header Extraction Sources
- VENUE** : International Conference on Recent cognizance in wireless communication & image processing-ICRCWIP-2014 (ICRCWIP2014)
- AUTHOR** : Mr. Mehul Mahrishi, Sr. Lecturer, Dept. of
- THESIS SUBMITTED:**
- TITLE** : Ideology and Cultural Identities in the Plays of Mahesh Dattani
- SUPERVISOR** : Professor Sudha Rai, Former Dean (Humanities) and Head, Department of English, University of Rajasthan.
- AUTHOR** : Mrs. Neha Purohit, Sr. Lecturer, Dept. of English



## CONFERENCE/SEMINAR ATTENDED

CONFERENCE : Changing Times: Reinventing the Indian Growth Story  
DATE : 21-22nd November, 2014  
ORGANIZED BY : Department of Management Studies  
VENUE : Mechanical Seminar Hall, SKIT, Jaipur  
ATTENDED BY : Mr. Vinay Kumar, Mr. Ankit Agarwal and Mr. Yogesh Sharma, Dept. of ME

SEMINAR : Preparation of National Occupational Standards for Plumbing Industry  
DATE : 20th September, 2014  
ORGANIZED BY : Indian Plumbing Skills Council  
VENUE : Hotel Om Tower, Jaipur  
ATTENDED BY : Mr. Amit Bansal, Mr. Ankit Agarwal, Mr. Praveen Saraswat and Mr. Dinesh Sharma, Dept. of ME

CONFERENCE : National Conference on Materials and their Energy Applications  
DATE : 22-24 December, 2014  
VENUE : Subodh College, Jaipur  
ATTENDED BY : Prof. R. K. Jain, Dept. of Physics

CONFERENCE : The Ninth India Japan Bilateral Conference On "New Horizons Of Information Technology By Using Engineering And Mathematical Approaches"  
DURATION : 12-17 October, 2014  
VENUE : Biyani Group of Colleges, Jaipur  
ATTENDED BY : Dr. Pramila Kumawat, Reader and Mr. N. K. Jangid, Sr. Lecturer, Dept. of Mathematics

SEMINAR : Experiential Engineering Seminar  
ORGANISED BY : National Instruments, India  
VENUE : Four Points by Sheraton, Jaipur  
DURATION : 28 Nov, 2014  
ATTENDED BY : Mrs. Priyanka Sharma, Lecturer, Mrs. Jyoti Mahavar, Senior Lecturer, Mrs. Shubhi Jain, Senior Lecturer, Mr. Prashant Vashisht, Lecturer and Mr. Ankit Agarwal, Lecturer, Dept. of CSE

WORKSHOP : ISTE workshop on "Control Systems"  
ORGANIZED BY : IIT Kharagpur at "Poornima College of Engineering, Jaipur  
DURATION : 2-12 Dec, 2014  
ATTENDED BY : Mrs. Rajni Idwal, Senior Lecturer, Mrs. Smita Prajapati, Senior Lecturer, Dept. of ECE

## THESIS AWARDED

Ph.D. degree awarded to Dr. Braj Raj Sharma,  
Reader, Dept. of Physics from University of Rajasthan in Sept. 2014.

## Beautiful Blue Planet

Looking down at you, planet-Earth  
I recall you were beautiful blue  
Now, your oceans are black with oil  
Look closely, you know its true  
Your rain forests are all gone now  
And your ground is a sickly brown  
What o mother earth have they done to you  
You pretty planet round  
Your white clouds once held fresh water  
Now they are filled with acid rain  
your plains are barren with erosion  
They were once overflowing with grain  
When did your clouds turn such deathly grey  
Your air impossible to breathe  
Didn't your stewards even notice  
We had started to gasp and wheeze  
Could the powers that be not save you  
From such a dismal end  
You were right in killing them with tremors  
Now you can begin again  
Will your next caretakers be smarter  
And take better care of you  
I pray they learn to be protectors  
We miss your beautiful blue

Divyank Vijayvergiya | I.B. Tech., Dept. of CSE

## Be Mine Forever

Now I remember the moments of old days,  
When it is the time to go on our ways.  
But as beat of my heart, you'll always reside,  
As some trait of me, as some naive guide.  
In one of my days, I asked for a friend,  
When no one did come, you held my hand.  
With wonder profound, I saw the Love Sharing,  
With many around, I watched one caring.  
When I'll remember, loveliness, your face,  
I'll think of your smile, so full of grace;  
That it made me rise from utter despise,  
A feeling of hope in me you incise.  
I wish in your life, that every good thing,  
Which enlightens your heart, change it will bring.  
May truth be the one to lead you to door,  
May all that you get be all you adore.  
And this is all I pray for you,  
Every way lovely, every day new,  
With wish in my heart I finally aver,  
Wherever you go, be mine forever.

Munendra Dhayal | I.B. Tech., Dept. of CSE

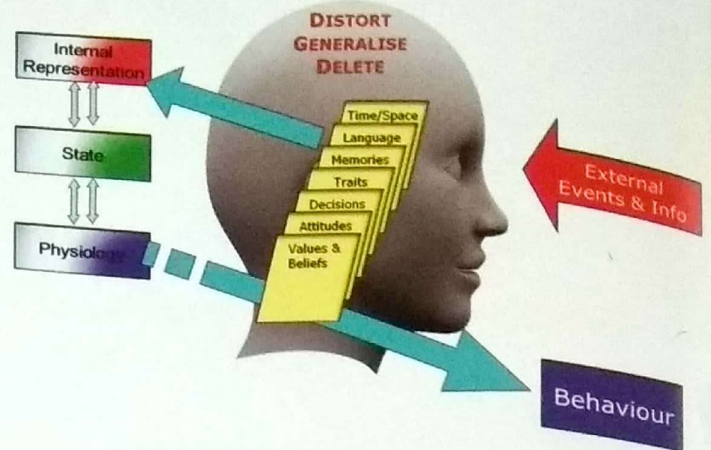


# TECHNIGENIUS

## NEUROLINGUISTIC PROGRAMMING & TEACHING

John Grinder and Richard Bandler are generally credited with establishing a line of study called Neurolinguistic Programming (NLP). NLP posits that over their lifetimes, people develop physiological highways in their nervous systems. When we receive sensory data and respond, we use a neuromuscular-linguistic link or pathway. The more we use that particular pathway, the more that pathway becomes familiar, comfortable and a preferred way of sending signals from one part of the body to another. The analogy often used is that our nervous system, especially the brain, is like firm gelatin. When a hot rock, a neurological electrical impulse, is added to the system through our five senses and moves from one place to another, it burns a pathway into our system. It is easier for subsequent impulses or signals to follow the same pathway rather than forge a new one. After repeated use, the pathway becomes the neurological equivalent of a freeway with thousands and thousands of impulses passing over the same pathways rather than less used. Recent research on the brain confirms the same general model.

Since the process begins with sensory input, it produces three basic information styles in people: visual, audio and kinesthetic based on sight, hearing and touch respectively. NLP goes further and argues that people will reflect their preferred information gathering and processing styles in their speech (hence the link to 'linguistic'). Visuals, for instance, will often use phrases like "Don't you see?" or "I see what you mean" or "Let me show you what I mean". Auditories will use language like "I hear you" or "Do you



hear what I am saying?" or "Let me explain it to you". Kinesthetic will say thing like "That feels right to me" or "I need to get in touch with so and so" or "I can't quite grasp what you are talking about".

So, one obvious connection between this theory and teaching is the importance of providing information through communication channels that will be familiar to and accepted by receivers. In teaching, major course ideas that are not presented visually, audibly, and kinesthetically will be missed by some or misunderstood by others. NLP strongly suggests that instructors provide for visual, audio and kinesthetic examples for all major concepts being taught.

Reference: Bandler, R., Grinder, J., & Andreas, S. (1982). Neuro-Linguistic Programming™ and the Transformation of Meaning.

Mr. Dinesh Kumar Sharma | Lecturer, Dept. of ME

## INITIATIVES TAKEN BY INDIA FOR SMART GRID IMPLEMENTATION UNTIL DECEMBER 2014'

For a rapidly growing power system like India, smarter systems are needed to manage it. Developing countries like India need to invest in both strengthening the electrical network as well as adding communications, IT and automation systems to build a strong and smart grid. This article explores the initiatives taken by the Government of India towards implementing the Smart Grid till December 2014.

The Indian Power Ministry released Smart Grid Vision and Road map for India on Sept. 10, 2013. The Road map was drafted by the India Smart Grid Task Force with the assistance of India Smart

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The Indian Power Ministry released Smart Grid Vision and Road map for India on Sept. 10, 2013. The Road map was drafted by the India Smart Grid Task Force with the assistance of India Smart Grid Forum, and spreads over the 12th, 13th and 14th five-year plan periods from 2012 to 2027. It aims at making the country self reliant in terms of electrical power.

In this process, 14 Smart Grid Pilot projects are approved by Ministry of Power (MoP), Govt of India (GoI). Net Metering Regulations and Demand Side Management Regulations have



already been issued in Haryana, Madhya Pradesh and Delhi. These projects will be partly funded by MoP (50% project cost as grant from GoI). Combined cost of these projects is about Rs. 5000 million.

India is pursuing one of the world's largest grid connected renewable energy program JNNSM (Jawaharlal Nehru national Solar Mission) whose target is being increased from 20 GW to 100 GW to be achieved by 2022. India launched the National Electric Mobility Mission with a target of 6 million EVs (Electric Vehicles) by 2020.

MoP launched R-APDRP (Restructured Accelerated Power Development and Reforms Programme) under 11th Five Year

Plan that covers 1401 towns in India and which aims at building several blocks of Smart Grids (GIS Maps, SCADA/DMS, Billing/CRM Systems, IT Networks including Data Centers).

Many other projects and efforts are in pipeline. For motivating further research in this area, an exhibition is being organized during the 'Smart Grid Week' held in Bangalore, India from 2nd to 6th March 2015.

More details are available online on the India Smart Grid Knowledge Portal - [www.indiasmartgrid.org](http://www.indiasmartgrid.org).

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Mrs. Smriti Jain | Reader, Dept. of EE

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## RECONFIGURATION AS THE POTENTIAL TECHNIQUE FOR SELF HEALING OF POWER DISTRIBUTION NETWORKS

There is an ambitious target to upgrade the present power systems to "Smart Grid". In India, 14 Smart Grid pilot projects have been announced for immediate execution. Distribution Automation forms an important part of modern power system. Reconfiguration for supply restoration, loss minimization and improved voltage profile is vital for Distribution Automation System.

Power System consists of three major parts: Generation, Transmission and Distribution. The Distribution system connects the consumers to the power system; this makes it an important area to be addressed so that the power supply with reduced losses and increased reliability is made available to consumers. Several problems such as fault isolation and restoration occurring on the distribution level have to be solved at the same level. Power Distribution Systems are formed by many interconnected feeders. Each feeder is further partitioned into many load zones along its radial structure. Distribution feeders are configured in a radial manner for effective coordination of protective schemes. Feeders contain a number of closed switches along its length which divide the feeder into sections, these normally closed switches are called sectionalizing switches. The feeders are separated from each other by normally open switches which are called tie switches.

Radial structure of Distribution Network can be modified from time-to-time in order to achieve certain objectives such as loss minimization, load balancing, fault isolation, etc. This can be achieved by closing a tie switch (normally open) and opening a sectionalizing switch (normally closed) to regain the radial structure. These modifications by changing open/closed states of the switches to transfer load from one feeder to another, while obeying the voltage and current constraints, significantly improve the operating conditions of the overall system. The set of these modifications is called Reconfiguration of Distribution System. Finding the optimal configuration without any intelligent optimization process forms an exhaustive combinatorial search problem. Heuristic rules formed by the experience of Power Distribution Engineers reduce the search space and optimization technique finds the most optimal configuration from the well defined search space. Stochastic search techniques based on Evolutionary algorithm, Swarm Intelligence guided by efficient objective functions reach the near optimal solutions.

Feeder reconfiguration tool is very helpful in the planning and design phases of a distribution system. It helps in not only planning the layouts of circuits, but also to predict the desired configuration of system for different contingency cases.

The problems occurring at the distribution level challenge the researchers and engineers to provide reliable power supply to consumers by finding efficient solutions in the field of electrical engineering. The methodologies developed to meet these objectives can improve the operation capabilities of present power systems and form a stronger distribution network to cope up with the ever increasing demand of reliable power throughout the nation and contribute towards the making of SMART GRID.

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Ms. Shruti Vig | Lecturer, Dept. of EE

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### *"Friends for this life"*

*You are the oil in my lamp.  
You are my savior,  
There is no fear or problem,  
when you are all near.  
You are the breath of my life,  
You are my savor.  
I always try to be like you,  
You are always a giver.  
You are my definition,  
You add an overtone.  
When I think of separation,  
I hear deep inside a moan.  
You are the anchor of my life,  
You are my strength.  
There is no better teacher,  
you inspire me to go great lengths.  
You are my greatest earnings,  
You are the music of my life.  
College Days will end one day,  
Let's be Friends for this life. :)*

Vishakha Bhandari | IITB.Tech., Dept. of CE



## INDIA 'S MARS MISSION

The Mars Orbiter Mission (MOM), also called Mangalyaan, is a spacecraft orbiting Mars since 24 September 2014. It was launched on 5 November 2013 by the Indian Space Research Organisation (ISRO). The mission is a project to develop the technologies for design, planning, management and operations of a larger interplanetary mission. It carries five instruments that will help advance knowledge about Mars to achieve its secondary, scientific objective.

The Mars Orbiter Mission probe lifted off from the first launch pad at Satish Dhawan Space Centre, Sriharikota range in Andhra Pradesh using a polar satellite Launch Vehicle (PSLV) rocket (c25) on 5 November 2013. It is India's first interplanetary mission and ISRO has become the fourth space agency to reach Mars after the Soviet space programme, Nasa and the European Space Agency. India is also the world's first nation to enter Mars orbit on its first

attempt and the first Asian nation to do so.

The primary objective of the Mars orbiter mission is to showcase India's rocket launch system, spacecraft building and operations capabilities and the secondary objective is to explore the surface features morphology, mineralogy and atmosphere of Mars using indigenous scientific instruments. The MOM mission concept began with a feasibility study in 2010, after the launch of lunar satellite Chandrayaan -1 in 2008. The government of India approved the project on 3 August 2012, after receiving ISRO's required studies for the orbiter that would cost Rs. 125 crore. The total cost of the mission was approximately Rs. 450 crore making it the least expensive Mars mission to date. On 19 October 2014, ISRO reported that the Mars Orbiter Mission was healthy after a close brush with a comet earlier that day.

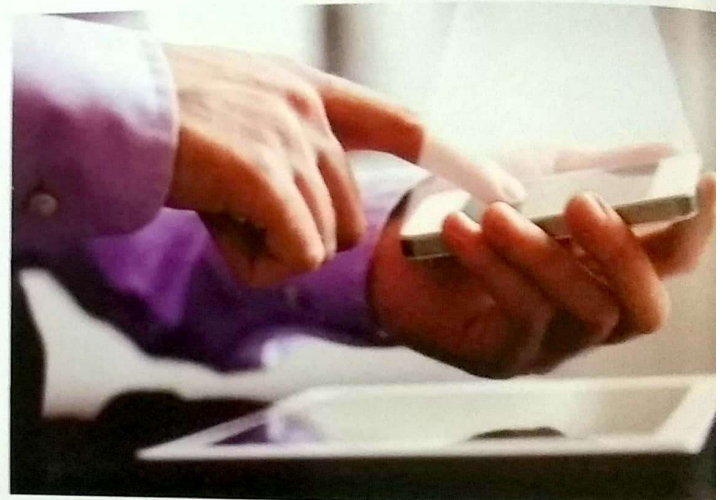
Dixa Rathore | I B. Tech., Dept. of ECE

## WIRELESS COMMUNICATION (LI-FI)

Wireless communication is the transfer of information between two or more points that are not connected by an electrical conductor. The latest technology in wireless communication is Li-Fi. Professor Harald Haas, from the University of Edinburgh in the UK, is the original founder of Li-Fi.

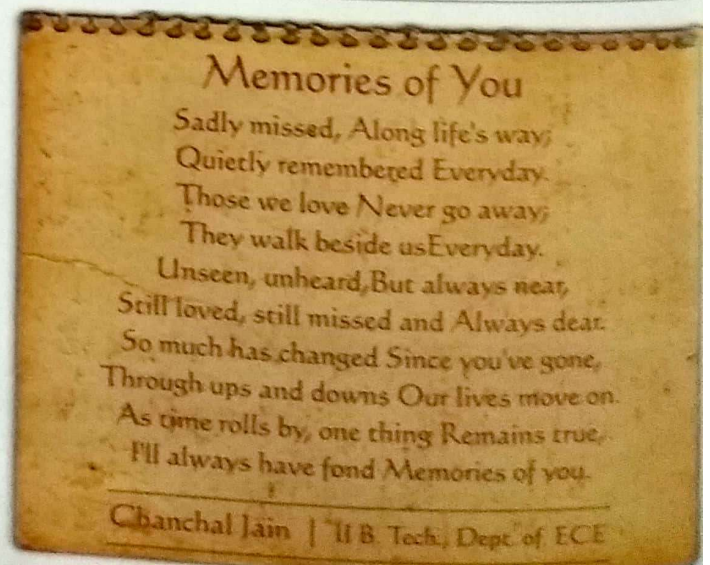
Li-Fi is bidirectional, high speed and fully networked wireless communication, like Wi-Fi, using visible light. Li-Fi is a subset of Visible Light Communication (VLC) and can be a complement to RF (Radio Frequency) communication (Wi-Fi or Cellular network), or a replacement in context of data broadcasting. VLC works by switching bulbs on and off within nanoseconds which is too quick to be noticed by the human eye. Li-Fi is a 5G (with speeds of 70 Mb/s) VLC technique that uses light from light-emitting diodes (LEDs) to achieve high-speed communication in a similar manner as Wi-Fi. It could make everything electronic and connected to the internet, with the LED lights used as Li-Fi internet access points. Although Li-Fi bulbs would have to be kept ON to transmit data, the bulbs could be dimmed to the point that they are not visible to human eye and yet still functional. The light waves cannot penetrate walls which makes its range much shorter, though more secure from hacking, relative to Wi-Fi.

The best advantage of Li-Fi Technology will be accessing internet at high speed in those areas where optical fibers are not easy to install. Many times while setting up a Wi-Fi route, we need to choose a specific spot to place your router so that on an average, it provides good connectivity in all rooms. Li-Fi technology would be the best optimum solution over Wi-Fi technology. It can also be used to extend wireless network at homes, offices or universities. Its other applications are Li-Fi for desktops, hospitals, schools, smart guides, museums, hotels, fairgrounds, events indoor and LBS (Location-based Services), access control and identification crisis, malls, airport and dangerous environments like thermal



power plants, smartcard etc. The Li-Fi market is projected to have a compound annual growth rate of 82% from 2013 to 2018 and to be worth over \$6 billion per year by 2018.

Ranjeet Singh | III B. Tech., Dept. of EE





# 'KALEIDOSCOPE

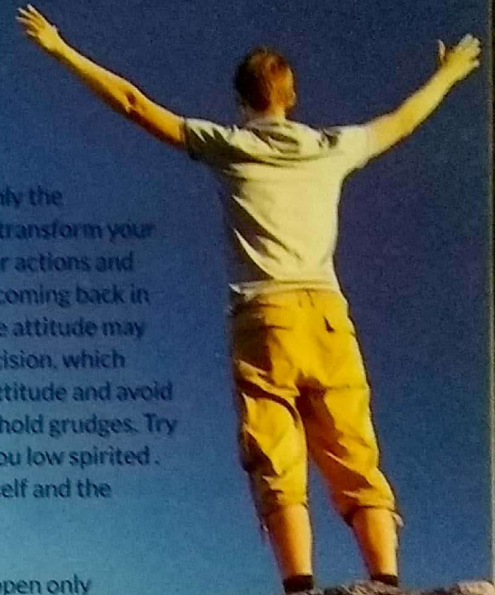
## POSITIVE THINKING – A WAY OF LIFE

Positivity is a state of mind that only looks to the bright side of life and expects positive results. It brings optimism, energy and happiness into your life and makes it easier to avoid worries, failure, frustration, negative thinking and disappointment.

It never depends on the circumstances present at that moment, it is a thought that expects only the favourable results, and you will see the results change accordingly. If you persevere, you can transform your own way of thinking. Being positive or negative are habits of thinking that strongly affect your actions and eventually life. The vibration of your thoughts is always going out to the universe and is also coming back in the same manner. So if we think negative, we can't get positive results at all. Though a positive attitude may not solve all the problems, it is the only option we have if we want to get out of problems. Decision, which depends on our attitude, decides destiny. Now the question arises, how to develop positive attitude and avoid negativity. For that, first you have to start staying away from negative people. You should not hold grudges. Try to develop the habit to forget and forgive. Never dwell upon the sad memories which make you low spirited. Feeling cheerful is the best way to come out of grief. Moreover you should have faith in yourself and the goodness of other people.

If you have some goal in life, visualize only what you want not what you don't want. It can happen only through will power and self discipline which is the ability to arrive at a decision and follow it with perseverance till its successful accomplishment. We should not compare ourselves with others. Living with gratitude, showing appreciation of others, and a little change in language can bring positivity in life. Reading inspiring stories, living with cheerful happy people, sharing happiness with others, being religious and meditation will always lead to inner and external peace and consequently positive attitude.

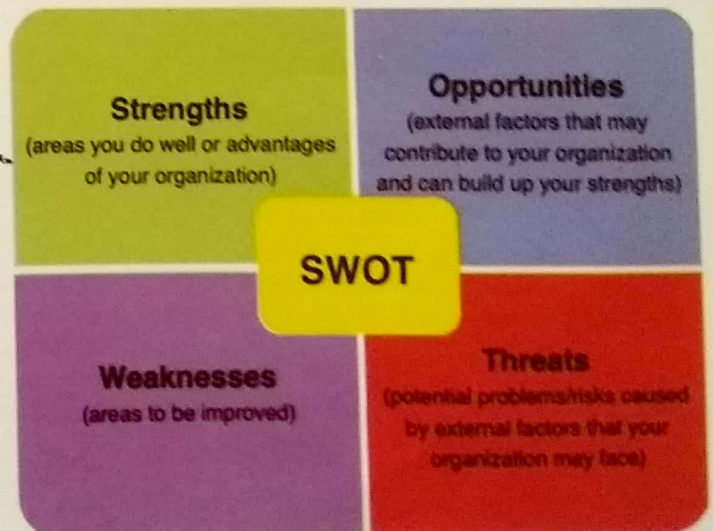
Dr. Meena Nemiwal | Sr. Lecturer, Dept. of Chemistry



## SWOT TECHNIQUE FOR CAREER PLANNING

Whether you are fresher looking to start your career or a professional looking for a change in job, it will be beneficial if you spend some time doing a self-analysis to understand where you stand. Even if you are not looking for a job right now, it is always better to analyse yourself to see what skills you have developed over a period of time and where you are lacking. It also helps you understand your position vis-à-vis others in the same profession. Moreover, we all harbor dreams of being the best at what we do. A self-analysis will help you outdo the competitors, when required. Most of us are quite apprehensive when asked to present our SWOT analysis at interviews. For those who don't know what it means or how to answer it, this article will help.

SWOT analysis is coined by the military, SWOT stands for 'Strengths, Weaknesses, Opportunities and Threats'. It is still prevalent in the corporate world (IT, marketing, etc.) and the aim is to identify strengths, improve on weaknesses, best utilise opportunities and minimize threats. It is also a powerful tool for



analyzing the strategic positions of companies, products or business situations. SWOT is also used by HR executives in assessing potential candidates.

You can also apply the SWOT technique to your own career



analyzing the strategic positions of companies, products or business situations. SWOT is also used by HR executives in assessing potential candidates.

You can also apply the SWOT technique to your own career planning. Strengths are your internal, positive attributes you can capitalise on, these should be your 'key selling points'. Think of what makes you special. What influences and motivates you? What are your attributes for success? What key traits do you have? You have some control over these. You can talk about your personal characteristics here like: Good analytical and relevant skills like communication, teamwork, leadership skills, competencies, knowledge, determination, persistence, optimism and work experience etc. Now these are some generic strength most of us make at interviews. However, what the interviewer 'buys' is 'how are these strengths helping in the job he has to offer' and 'what is the value they add to the job'. So, the above examples should change when mapped to the job profile you are applying for.

Weaknesses are your internal negative attributes or areas you need to improve on. This is the toughest aspect to think of and share with your future/potential company. Also, this is one area where your answers need to be more diplomatic. Avoid hinting at something that may impact the job execution in your potential company. We all know and admit that no one is perfect. Do not say 'I don't have any weakness'. Be realistic and show that you realize and are well aware of your weaknesses. Give confidence to your prospective employer that your weaknesses are not going to hamper your job. Examples of weaknesses may be lack of experience, knowledge, required education, confidence and communication.

Never highlight personal weaknesses like 'being emotional', 'short tempered' etc. Instead, diplomatic answers like

- I sometimes tend to get into too many details that delay execution.
- I can't say 'No' if someone asks me for help with some work.

Also highlight your strengths, in a way, like 'having an eye for detail' or 'willingness to help others'. If you're sure, you can also talk about how you are planning to work on improvement. Keep the conversation to the point, or it may give unnecessary insights to the interviewer that you may not want to.

Opportunities are uncontrollable positive external events that you can potentially leverage or take advantage of. Talk about various opportunities you foresee in that prospective job. This will show your interest and reflect a positive attitude.

#### Examples include:

- Favorable industry trends.
- A booming economy.
- A specific job opening.
- An upcoming company project.
- Emerging demand for a new skill or expertise.
- Use of a new technology.
- Referral to a high-powered contact.

Threats are uncontrollable negative external factors that may

work against you and require you to take protective action to minimize it. Examples include:

- Industry restructuring and consolidation.
- Changing market requirements and their impact on your employer.
- Changing professional standards that you don't meet.
- Reduced demand for one of your skills.
- Evolving technologies you're unprepared for.
- The emergence of a competitor, either to your company or to you personally.

Before appearing for the interview, ensure your resume maps what you might talk about. It should also highlight your strengths.

So

1. Map your strengths to your prospective job.
2. Avoid hinting at weaknesses that may have a negative impact on your prospective job. Also try to present an improvement plan that you have to overcome these weaknesses.
3. Explore the prospective job/employer/company to identify opportunities and mention how these can be advantageous to you and help in performing the job better.
4. Gain more knowledge about the industry to detect threats and present ways to minimise them.

Talking about strengths and weaknesses gives the employer an insight into your suitability as a right candidate. It also gives you a chance to control the interview process by asking questions about the company when you talk about opportunities and threats. Be smart enough and focus on better articulating your performance characteristics. Do not just focus on what the interviewer wants to hear by playing memorized responses. Remember: The interviewer wants to see the real you.

Mr. D.Hariyani<sup>1</sup>, Mr. A.K.Mathur<sup>2</sup> | Reader, Dept. of ME

## HOW CHANGE OF PLACE IMPACTS YOUR LIFE!!!

When you come from a small place to a big one, you find a new environment. With that we have to bring changes within us. The way to talk with others, the way to greet others, the way to eat, walk and so on.....everything has to change. It's very hard but not impossible. In the beginning, it is a tough task to manage it; but later, living in such an environment, we start being a part of it. One should understand that changes will always happen. We should learn to enjoy them and if it is challenging, we should enjoy it still more. It is not necessary that changes will be in an expected way. They may be quite unexpected; what had not been expected could happen. They constitute a new chapter in our life. The key to accepting these changes is having an open mind and accepting everything as it presents itself. We should have patience and be tolerant of others. Change requires that we accept certain unfamiliar things. We can become comfortable with them once we are exposed to them, learn about them and finally participate in them.

Apurva | III B. Tech., Dept. of EE



# WOMEN SAFETY IN INDIA: HAS ANYTHING CHANGED SINCE 16 DEC 2012 ?



16 December 2012 has left an indelible question mark on the minds of Indians, especially the citizens of the national capital region, about the safety of women in the country. The brutality of the Delhi gang rape speaks volumes about the uncivilized and patriarchal mindset of Indians. It has raised widespread anguish. As a result a slew of measures were taken by Delhi police and the government of India to forestall such acts of brutality. Among these was setting up helplines and Women's help-desks at police stations. Parliament enacted the anti-rape law.

The big question arises whether anything has changed after 16 Dec 2012. Now that almost two years have passed, has there been any change? Has the security of women in not only Delhi but the whole

country strengthened? If you are to believe the statistics provided by Delhi police and national Crime Record Bureau, till November 2013 the Delhi police had registered 1493 cases of women harassment last year. But it was 661 in the year 2012. However there is a massive increase in the registration of rape cases in the same period since 2012. As per data of the National Crime Record Bureau (NCRB) a total of 716 rape cases were registered in 2012, while the number of registered cases was 572 in 2011 and 507 in 2010.

In addition an all woman police mobile team has been made functional round the clock. The Criminal Law Amendment Bill 2013 was brought against the backdrop of the countrywide outrage over Delhi

gang rape and it was named the Criminal Law Amendment Act 2013. The law passed by the Lok Sabha on March 19 2013 and by the Rajya Sabha on March 21 2013, replaced an ordinance promulgated on February 3. The centre amended it with the aim of providing a strong deterrent against crimes like rape. Let us hope we men become more civilized and allow our women to live safely. Eventually it's the citizen's own sense of fairplay rather than laws that is going to make life honourable for women.

Gaurav Sharma | B.Tech., Dept. of CSE

## PATRIOTISM

Patriotism is not about boasting and believing that my country has no problems; it is just perfect. But patriotism is about realizing that my country has a problem and I will do something about it. The problem before India is corruption. Corruption is most virulent when crises everywhere threaten the very existence of society and once faith in life is shaken. It has always been there like leech; but when the system grows weaker and the boat flounders, it gets bolder and drains its victims of the last drop of their blood. Corruption has become a routine in many sections of the government. Politics is an example criticized everyday. Bureaucratic corruption is a pain that the common people experience everyday. A study showed that 50% of the people had a first hand experience of using bribes or influence peddling to get a job done in a public office. It is disgusting to think that we have to pay bribes to a person just to get a job done. In cities and villages throughout India, elected politicians develop and sell land in illegal ways. Tendering corruption is wrong and even dangerous.

It creates so many obstacles for the people that it becomes virtually impossible to overcome them. Government hospitals are ill funded leading to wrong treatment, or refusal of treatment. They are ill funded because the money needed is being used to line the pockets of corrupt officials. If such corruption continues, it will surely lead to the demise of our economic system. The government of India has provided us ways to protest. Refuse to give bribes. Do not give up hope no matter how much we get discouraged. Being a patriot is realizing that the country has problems and we are going to do something about it.

Mohit Agarwal | B.Tech., Dept. of ECE

## PARENTS ARE THE BEST TEACHERS

Parents are the only people in the world who provide for all the needs of their children like love, education, support, attention etc. Indeed, they are the best teachers of their children. They provide knowledge in many ways.

First, it is the parents who teach the child how to speak in early life. Thus, a bond is made between parents and the child. This is the reason why the first word from child's mouth is either "MAMA or PAPA". Secondly, parents help children in their physical development. They teach the child how to take steps and walk. The first few steps of the child are impossible without the helping hand, patience and enthusiasm of the parents. Thirdly, parents are responsible for the development of the child's mind. They send their child to school and pay to educate him there. They teach the child how to behave with teachers and classmates. Fourthly, parents help the child in the most critical phases of life, in its ups and downs of life. No other people help them in their adolescence as parents do. Parents help the child to build their personality and character from the beginning.

Lastly, parents also teach the children to be God's friends, because having God in life is very important as it makes one a better person. Because of these facts our parents are definitely the best teachers in the world. A mother may be educated or not, but she is the best teacher from whom we can learn care and affection.

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## POP ROCK MUSIC

Pop rock is a music genre which mixes a catchy pop style and light lyrics in its (typically) guitar-based rock songs. There are varying definitions of the term, ranging from a slower and mellower form of rock music to a subgenre of pop music. The term pop has been used since the early twentieth century to refer to popular music in general, but from the mid-1950s it began to be used for a distinct genre, aimed at a youth market, often characterized as a softer alternative to rock and roll. In contrast to pop, rock music was seen as focusing on extended works, particularly albums, was often associated with particular sub-cultures (like the counterculture of the 1960s), placed an emphasis on artistic values and "authenticity", stressed live performance and instrumental or vocal virtuosity and was often seen as encapsulating progressive developments rather than simply reflecting existing trends. The typical instruments used in pop rock are electric guitars, bass guitars, vocals, drums and synthesizers.

'Indian pop rock' is a music genre that incorporates elements of Indian pop music with mainstream rock music. India is more often known for its (northern and southern) classical music and Bollywood filmi music, the Indian rock scene has also produced numerous bands and artists. There are also various non-resident Indians who have formed bands rooted in Indian culture. Moheener Ghoraguli, a Bengali independent music group from Kolkata, is arguably India's and Bengal's first popular rock band.

The rock music "scene" in India is small compared to the filmi or fusion musicality "scenes" but as of recent years has come into its own, achieving a cult status of sorts. Rock music in India has its origins in the 1960s when international stars such as the Beatles visited India and brought their music with them. These artists' collaboration with Indian musicians such as Ravi Shankar and Zakir Hussain has led to the development of raga rock. However, Indian rock bands began to gain prominence only much later, around the late 1980s. The rock music scene in India is quietly



growing day by day and gathering more support. Like Western rock musicians at the time, Indian musicians also began fusing rock with traditional Indian music. Many of these songs were often filmi songs produced for popular Bollywood films, which often overshadowed the country's independent rock scene.

Some of the more well known early rock songs from Bollywood films include Mohammed Rafi's "Jaan Pehechan Ho" in Gumnaam (1965), Kishore Kumar's "O Saathi Re" in Mukaddar Ka Sikandar (1978), and Asha Bhosle songs such as "Dum Maro Dum" in Hare Rama Hare Krishna (1971), "Ae Naujawan Hai Sab" in Apradh (1972), and "Yeh Mera Dil Pyar Ka Diwana" in Don (1978). With the introduction of MTV in the early 1990s, Indians began to be exposed to various forms of rock such as grunge and speed metal. This influence can be clearly seen in many Indian bands today. The cities of the North Eastern Region, mainly Guwahati, Shillong, Kolkata, Delhi, Mumbai and Bangalore have emerged as major melting hubs for rock and metal enthusiasts. Bangalore has been the hub for rock and metal movement in India. Some prominent bands include Dorian Platonic, Cannibals, Phinix, Just, Rubella, Crystal Ann, Morgue, Indian Ocean, Kryptos, Pentagram, Thermal and a Quarter, Abandoned Agony, No Idea, Zero, Half Step Down, Scribe, Eastern Fare, Indus Creed, Demonic Resurrection, Zygnema- Born of Unity, Motherjane, Soulmate, Avial and Parikrama.

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## OUR EDUCATION SYSTEM

India is a developing country and a country's growth depends on its talent pool of young people. This is an era of globalization and the whole world is curious in watching our activities. Somewhere we lag behind in education, and it's a shame for us that our best student was ranked on number 72 at PISA (Programme for Student Assessment) which is a very low rank at the world level. In ancient times India spread the light of knowledge, but nowadays our education system is getting from bad to worse. Rote learning is on its way up. This situation is leading us to a serious problem of lack of innovative and creative minds.

To make things worse the government has decided that no student will be failed. It is disturbing as it will bring down the level of higher education too. A child does not know anything upto the 8th standard, and then suddenly when he reaches 10th, he is faced with a big complex syllabus. Another problem is that Government teachers are given far too many tasks, like election duties etc, so

they are not readily available to the students all the time. Then after 10th standard 11th is a local exam so the young student lets his guard down and relaxes. He does not clear his concepts. His eyes open in 12th standard when there is a board exam. But by then his burden has increased twofold and he remains confused. Now the competitive exams which the student faces after 12th are higher in level than the 11th and 12th class books, so he joins coaching centers where he is on a habit of spoon feeding and rote learning.

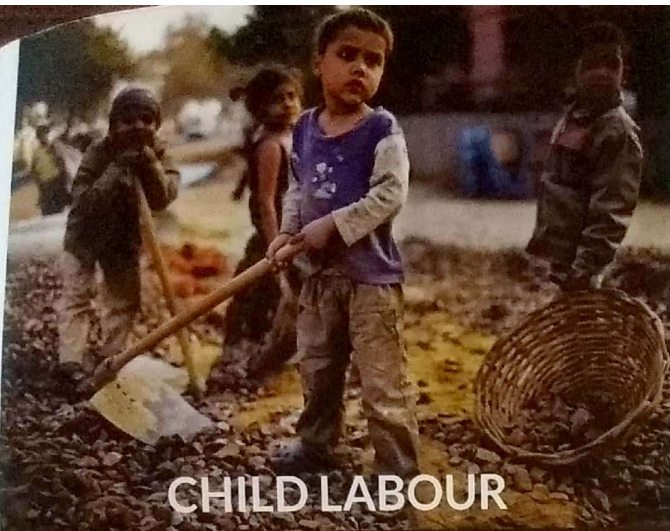
Authorities should raise the level of the books of 11th and 12th classes, so that a student can easily clear the competitive exams. India will then grow at a faster rate and increase its talent pool, and once again show the world that we are no less than others.

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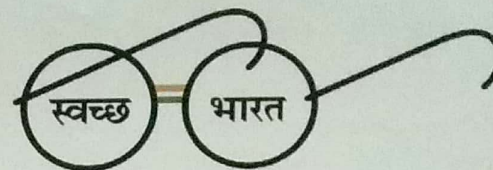
## CHILD LABOUR

Child labour is a social evil. Labourers below the age of 14 years are called child labourers. India has the largest number of child labourers in the world. According to the census figure of 1991, India has 11.29 million child labourers, which constitute 1.34 percent of the total population of our country. Most of the child labourers are engaged in agriculture and allied fields like livestock tending, foresting and fisheries. In the urban areas, children work in dhabas and eateries, helpers or cleaners in trucks and as domestic servants. They have long working schedules and less wages. The main reason behind child labour is poverty. Children born in poor families are forced to work not only for their own survival but also for their family. Lack of awareness of the people and government also compels poor parents to get their children employed as labourers in agricultural farms, factories and as domestic servants. Child labour includes all work that deprives children of their childhood, interferes with their ability to attend regular school, and is mentally, physically, socially or morally dangerous and harmful.

This practice is considered exploitative by many international organisations. Legislations across the world prohibit child labour. These laws do not consider all work by children as child labour; exceptions include work by child artists, supervised training, certain categories of work by children, some forms of child work common among native American children and others. Recently Mr. Kailash Satyarthi won the Nobel peace prize for highlighting the issues of child slavery, child education and exploitation of children. In developing countries with high poverty and poor schooling opportunities, child labour is still prevalent. Let us hope development will eliminate it.

Laws can be enforced only when they accord with real social processes. Lack of social security is the main cause of child labour. Bonded child labour is a hidden phenomenon as a majority of them are found in the informal sector. It is a form of slavery. So let us all put our efforts together to eliminate this evil.

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एक कदम स्वच्छता की ओर

## THE SWACHH BHARAT ABHIYAN

Swachh Bharat Abhiyan (Campaign Clean India) is a national level campaign of the Government of India covering 4041 statutory towns to clean the streets, roads and infrastructure of the country. This campaign was officially launched on 2 October 2014 at Rajghat, New Delhi, where Prime Minister Narendra Modi himself wielded the broom and cleaned a road. Its objective is to make India a clean country by 2nd of October 2019 i.e. 150th birthday of Mahatma Gandhi.

The campaign is being described as 'beyond politics' and 'inspired by patriotism' and is supposed to motivate the whole nation to come forward and make India a clean country. The campaign began with fanfare and is supposed to be making the people of the country aware of the importance of its aim.

But is just giving motivational speeches and setting the target of a clean India by 2019 enough to make it really happen? India currently produces 0.1 million tonnes of municipal solid waste per day. Imagine what a colossal amount it is. Yet we have no serious measures in place to treat this waste but that's not all. Out of the total municipal waste collected, 94% is dumped on land and not disposed properly. The waste collection efficiency in India is very poor, hardly 50-70%. People themselves do not take care of their surroundings and litter them with waste without any concern. The government is dreaming big but doing very small to accomplish it. This makes us think if it is just a publicity stunt. They should not just motivate or encourage people but also take substantial steps to turn it into reality.

A plan should be made as to how this campaign will proceed. There should be dustbins at every 250 m distance on roads so that people do not dump garbage on the road itself. But there are no dustbins even at a 25 km distance in India. More public toilets should be setup and hygienically maintained all over. Rules should be strict against the people who raise hillocks of garbage in the streets. People eating tobacco or pan and spitting on the roads or at public places should be hauled up. Our citizens should have a sense of belonging towards the country as they have for their own house; only then they will stop strewing muck. They should also make their children aware and teach them the right thing to do.

Only when such big and small steps are taken the Swachh Bharat Abhiyan will become a reality. The change is so big that it can be brought about by the people of the country alone. Official efforts by themselves will not deliver the goods.

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# अभिव्यक्ति

## समझा बैठा हूँ मैं

कितने लफज छुपा बैठा हूँ मैं, एक दर्द लगा बैठा हूँ मैं...  
मुसाफिर हूँ इन राहों का कुछ जखम, लगा बैठा हूँ मैं।।  
सिसकती थीकी इन आहों को...बहला, छिपा कर बैठा हूँ मैं।।  
उन लम्हों के तराने को...उस प्यार करने वाले को...  
पागलपन से गर्वा बैठा हूँ मैं।।  
जीवन जीने की उमंग...उस जोश को कहीं बहा बैठा हूँ मैं।।  
अब इस तड़पती धूप को...महकती छाँ में बदल रहा हूँ मैं।।  
उसी बीच इस बन्धन को...उन नातों को भुला बैठा हूँ मैं।।  
बस अब उन कच्चे धागों को...उठ खड़ा हो, सुलझा बैठा हूँ मैं।।  
इन किस्सों को, उन बातों को...जिन्दा दफना अब बैठा हूँ मैं।।  
लोगों को समझा चुका हूँ मैं...अपने को भुला बैठा हूँ मैं।।  
मैं अकेला हूँ अपने आप को, समझा बैठा हूँ मैं।।  
राहुल सोनी, प्रथम वर्ष, विद्युतीय अभियांत्रिकी

## ताजमहल

वक्त के गाल पर आँसु हो जैसे,  
इमारत के रूप में जन्म हो तुम।  
बादलों से झांकता सूरज हो जैसे,  
उजले रंग का पर्याय हो तुम।  
फूल की नाजुक पंखुड़ी पर ओस हो जैसे,  
मौसम का एक नया अंदाज हो तुम।  
रूह का सुकून हो जैसे, अंजुरी में बंद आ हो तुम।  
बच्चे की मासूमियत हो जैसे,  
अपलक, अनिमेष देखती नजर हो तुम।  
किसी युवती की मोहक मुस्कान हो जैसे,  
यौवन का 'ताज' हो तुम।

तन्वी अरोड़ा, चतुर्थ वर्ष  
इलेक्ट्रॉनिक्स एवं संचार अभियांत्रिकी

## इक अच्छा बेला

वो आदमी जिसने की मेरी संरचना जिसने दी मुझे जान।  
वो आदमी जिसके कंधों पे घूमें कितने मेले  
जिसकी ऊंगली पकड़ कर खेले कितने खेल।  
वो आदमी जिसने किया मेरा पालन  
जिसने मेरी जिंदगी को दिया कारण।  
वो आदमी जिसकी आँखों में आशा की झलक दिखती है  
जिसको मेरे में अपना फलक दिखता है।  
वो आदमी जो मेरे लिये दिन रात मरता है  
जो मेरे लिए सब कुछ करता है।  
वो है मेरे पापा मेरे भगवान।।  
पर क्यों अब इस भगवान की नहीं होती पूजा  
क्यों उन्हें बुढ़ापा में सहारा नहीं मिलता  
क्यों! वो नहीं है प्यार के हकदार  
पर मैं वचन देता हूँ  
जिसने मुझे पाला है, उसे भी पालूँगा  
उसे भी जिन्दगी दिखाऊँगा  
इक अच्छा बेला बन के दिखाऊँगा।

आनन्द कुमार, प्रथम वर्ष, यांत्रिकी अभियांत्रिकी

## हो गया मेरा बेड़ा पार

इस डगर, इस अंधियारे पहर...  
कोई निकले है, इस सन्नाटे शहर।।  
मोर पंख, चमक देश...देख उन्हें रात रानी खिली।।  
पीत वस्त्र, मणी मुकुट...मंद मुस्कुराहट उनमें छुपी।।  
हाथ में बाँसुरी, कान में कुंदन...  
तोड़ रही रूठी गोपियाँ अब बंधन।।  
माखन के लाल का ऐसा रूप...  
मानो उन्हीं के तेज से निकलती हो धूप।।  
टिप-टिप तारों की छाँव और शशी की चौदनी बहार...  
स्वागत में बिछा रही उनके पुष्प हजार  
ऐसा मनोरम दृश्य...उन्हीं में सारी दुनिया बसी।।  
अभिवादन है मुरली मनोहर का—  
जुगनुओं ने भी अपनी कमर कसी।।  
हो रही स्वर्णिम धुरी वहाँ...गुजर रहे मेरे कृष्ण जहाँ।।  
धम सी गई है दुनिया सारी तृप्त हुई,  
मोहित हुई सृष्टी प्यारी।।  
थकान नहीं रही अब तन मेंबस गए है वो मेरे मन में।।  
यही है मेरा अभिलासिक साक्षात्कार  
हो गया मेरा बेड़ा पार...मेरा तो बेड़ा पार

राहुल सोनी, प्रथम वर्ष, विद्युतीय अभियांत्रिकी

## रक्तदान - महादान

ये खून (नीर) नहीं ये रक्त है, ये दान नहीं महादान है  
अपनों को अपनों के लिए जीवन जीने को आधार है...  
सड़क पे तड़पती जिंदगी हो, या  
शहादत को बढ़ती सैनिकों की जिंदगानी हो,  
एक यूनिट की मांग कबूलना यारों  
चूँकि ये ही कहती भारत के शौर्य की कहानी है...  
लोग रक्त देने से हैं कतराते  
कमजारी को अपना हथियार बनाते,  
तो बता दूँ चारदीवारी में कैद उन चिरागों को  
अगर बुझ गई घायल मशालें  
तो तुम्हारी रोशनी ही रोशनी को कोसेगी  
और नम आँखों से तुम्हें एक यूनिट की कीमत बोलेगी...  
दोस्तों, शब्दकोष सीमित है, नये शब्दों की मांग है,  
बना सकते नहीं और लोगों में हाहाकार है  
बोलो रक्त का क्या समाधान है...  
रक्त की बहती नदियों से इक फरियाद कर रहा हूँ,  
अपने - अपनों के लिए एक यूनिट की मांग कर रहा हूँ  
अगर समर्थन करते हो आप  
तो हर सांस में आपके जीने की दुआ कर रहा हूँ।

सौरव चौधरी, चतुर्थ वर्ष, यांत्रिकी अभियांत्रिकी

## तो संकल्प आग्रह करेंगे सबसे, देंगे उसे जिसे जरूरत है ज्यादा सबसे

14 जनवरी, मकर संक्राति हिन्दू समाज में अत्यधिक महत्व रखती है वृद्धजनों और हर आयुवर्ग की महिला द्वारा इस दिन अपनी ससमता के अनुसार महिलाओं, बालिकाओं को शॉल, कम्बल, थाली, बर्तन, कपड़े, तिल इत्यादि मेंट या कढ़ें दान रूप में पुण्य अर्जित करने को देती है।

जिसका महत्व अभी से नहीं वरन् हमारे समाज में काफी समय से है। लेकिन हमेशा दिमाग में केवल एक ही सवाल आता है, यदि सवाल ही पुण्य का है तो ये सामग्री उन्हें क्यों नहीं दी जाती है जिन्हें ज्यादा जरूरत है इनकी या परिचितों और परिजनों को दी जाने वाली ये सामग्री ईसान के अहम और अहंकार को दिखलाती है और ये अहंकार शायद पुण्य नहीं देता। जब मैं ऐसे दिनों - पर्वों के बारे में सोचता हूँ तो मन में ये पंक्तियाँ गुंजती हैं-

“आज दिन है मेरा-मगर अफसोस मुझे कोई कुछ नहीं देगा, पुण्यों के नाम पर शॉल कपड़े बंटेंगे लेकिन मेरे कपड़े सर्व हवा के थपड़े बननें।”

ये लडकियाँ ऐसी सोचे भी तो क्यों नहीं। एक तरफ हमारा समाज पुण्य, नारी सम्मान, नारी सशक्तिकरण की बात करता है और दूसरी ही तरफ गरीबी की हथेली चवी, सर्दी में कंपकपाती महिलाओं को नजर-अंदाज कर सम्पन्न लोगों को वस्तुएं देकर पापतुल्य पुण्य कर रहा है तो अक्सर दिमाग कहता है-

“इसे पुण्य कहे या पाप, कर्म भी किए ऐसे जो तुल्य है आप।”

दोस्तों शायद समाज, लोग पुण्य की परिभाषा समझना नहीं चाहते, यदि परिभाषा पर नजर डालेंगे तो पता चलेगा भूखे का पेट भरकर (को खाना) प्यासे को पानी, ठिठुरते को कपड़ा, दुःखी को कंधा, डूबते को सहारा देने से जो दुआ मिलती है, वो शायद पुण्य के ज्यादा करीब है। यदि कोई आपकी वजह से एक रात भी घन से सो पाए तो वह पुण्य है, तो क्यों समाज दूर भाग

रहा है इस पुण्य से।

“ले संकल्प आग्रह करेंगे सबसे, देंगे उसे जिसे जरूरत है ज्यादा सबसे”

मैं तो यही अनुरोध करता हूँ, अब इस बदलते वक्त में हर ईसान को खुद को बदलना चाहिए, चाहे वो बूढ़ा हो या जवान, शिक्षित हो या अशिक्षित। हमें अपने दिमाग पर, सही - गलत पर, पाप-पुण्य पर, इनके होने न होने पर ध्यान देना होगा। खुद को बदलना होगा, देश की खातिर, समाज की खातिर, मैं युवाओं से अनुरोध करता हूँ वे संकल्प लें बदलाव का, समाज निर्माण का, अपने बुजुर्गों को बताएं कैसे वे और आप मिलकर किसी को नौद, किसी को ठंड से राहत, किसी को खाना देकर सही रूप में पुण्यरूपी फल पा सकते हैं। ये किसी एक के नहीं, हम सभी के जाग्रत (जाग्रत) होने से होगा।

“जब महिला करें पहल हर समस्या हो सरल”

मैं, यदि हर सम्पन्न ग्राही महिला यदि दाता से पुण्य-रूपी सामग्री न लेकर उन्हें देने का कहे जिन्हें ज्यादा आवश्यकता है इसकी तो ज्यादा भला होगा समाज का और शायद आपका ये कदम पुण्य की रेस में आपको सबसे आगे ला खड़ा कर दें। सवाल है आपसे - क्या आप उठाएंगी आवाज, ताकि सोच बदलें ये आवाम... ये आवाम। इस दिन-दिन भी आपका होगा, फैसला भी। इच्छा भी आप ही की होगी, सोचना भी आप ही को है, क्या आप उस नारी की मदद करना चाहेंगी जो आप ही का एक रूप है क्या आप समाज की आँखों के आगे से अंधेरा हटाना चाहेंगी आपका ये सहारा कर्णधार बन सकता है उन रोशनी के चिरागों का जो आलौकिक कर सकते हैं इस जहान को।

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