




SWAMI KESHVANAND INSTITUTE
OF TECHNOLOGY, MANAGEMENT
& GRAMOTHAN

32

THE SKIT TIMES

ANNUAL ISSUE 2015



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VISION

To promote higher learning in advanced technology and industrial research to make our country a global player.

MISSION

To promote quality education, training and research in the field of engineering by establishing effective interface with industry and to encourage faculty to undertake industry sponsored projects for students.

PUBLISHER

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EDITOR'S NOTE



Dear Readers

I feel exhilarated to present the annual issue of the SKIT TIMES. The edition has been a mammoth task. The standard set by last year's publication was high but this year we have exceeded our own expectations and produced a comprehensive review of the work and extra curricular life at SKIT.

This a time for reminiscing the past, reflecting the present and reckoning the future. Looking into the future prospects of change while revisiting the glorious past of the college, we have tried to think out of the box. While we have stuck to main stream reporting, we have endeavoured to harmonize the magazine with the metamorphosis of the college. As a corollary, it has received a complete face lift, but it has stayed true to its roots. What was achieved in the past is more than history; it is a call from our commitment to carry the torch and continue the race.

We have compiled the technical and general articles penned down by students, coupled with reports on year long activities. A comprehensive index has been provided at the beginning to make leafing through the pages more convenient for you. We have also invited two of the alumni to contribute their thoughts and accordingly their articles have been published. Sincere thanks to Pallavi and Gaurav.

As it has always been the SKIT Times will be a home for ambitious journalism, trenchant argument, provocative ideas and innovative story telling. We must be pragmatic, forward looking, tireless pursuers of truth and solutions. Let us proceed on the journey with perseverance and belief in ourselves.

We will love to have your feedback and suggestions and these can be e-mailed at edskit@gmail.com.

Happy Reading

Dr. Niraja Saraswat
Editor-in-Chief

MISSIVE MENTOR'S VOICE



It is with immense pride and pleasure that I unveil the annual issue of SKIT TIMES.

Each one of us is a unique creation of the Almighty, has taken birth on this earth to fulfill some meaningful purpose. We are blessed with different and unique talents. We are destined to do great deeds with our talents; what really we need is to identify these talents and fit in the greater scheme of the mighty universe. Greatness does not always mean winning prizes or achieving fame, but more often, by the way we choose to lead, battle and conquer the quests of our daily life. The courage we show in standing up against injustice, our strength of character, the ability to lend our shoulder to the needy are all the measures of true greatness.

So let us join our hands together to achieve excellence in every endeavour be it education, research or training by making continuous and sustainable improvement in curricular tools.

I congratulate the editorial board of SKIT TIMES.

Mr. Jaipal Meel
Director

MISSIVE MENTOR'S VOICE



I am elated to find the annual issue of SKIT TIMES and I appreciate the efforts made by the editorial team in bringing out yet another issue of the magazine which truly reflects our achievements, learnings and progress.

I feel that responsibility is a virtue, which when taken seriously, transforms one's life and helps one recognize and acknowledge one's gifts and limitations. In life we all need to seize occasions to exercise this virtue of responsibility.

Today we stand on the brink of a new era, an era which will be marked by brilliant inventions and mind boggling discoveries. An age where technology will make life simpler but at the same time it will make existence complex. We are heading to a world where material development goes hand in hand with ethical and moral degradation.

To survive in this age we all need a reassessment of values. The goal of life is to be a responsible, organized, dedicated, dutiful, trustworthy person who deserves the approval of god. Shouldering our responsibilities towards family, society, nation and humanity will enable us to become agents of this transformation.

If each of us exercises his responsibility, the world can indeed be a better place.

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

MISSIVE MENTOR'S VOICE



Knowledge is what stays with us and to be a perfectionist one would want all of the matter to be kept in one's mind. For that hard work is necessary.

In a student's life hard work is like a bag of books without which he or she cannot attend any lecture. A student's mind is fresh and healthy where new ideas always breed. The higher education is the basic key to our country's development. And we at SKIT possess a huge bank of knowledge, erudition and sophistication. Our students turn out to be highly groomed with versatility and intellect.

To shake their in-built talent into a master piece, we offer them a platform of this beautiful weaving of letters. The SKIT TIMES is way more than a magazine, rather it's a dialect of our college where students as craftsmen share their views and feelings.

It gives me great pleasure to present this annual issue of SKIT TIMES which has amassed in it all the yearlong activities of our college. I congratulate the editorial team for their spellbinding efforts in bringing forth the talent of students.

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

MISSIVE MENTOR'S VOICE



If you want to live a happy life, tie it to a goal not to people or circumstances. Dare to dream and act upon the dream.

Dreams give us hopes of a new life, new targets. When dream is concerned with our aim, it becomes a treasure to be acquired through hard work. There is no royal road to success; it is rather full of potholes. A student should consider studies as an exhilarating quest for knowledge rather than as drudgery.

Positive thinking, self confidence and elevated spirits are the qualities that a student must inculcate to become a successful person.

To shape the hidden talents into a master piece, we at SKIT, provide our pupils with a platform to shape their future. The SKIT TIMES is not just a magazine, it is a stage where students share their views and vast knowledge with others.

I feel highly elated to present this annual issue which is a compilation of the year long activities of this institution. I congratulate the editorial board of SKIT TIMES for their great efforts.

Prof. Ramesh K. Pachar
Principal

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PROCLAMATION

a record of happenings at SKIT

CAMPUS RECRUITMENTS

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

B.TECH. 2015

COMPANY NAME SELECTIONS

| | |
|---------------------------------|-----|
| Cognizant | 193 |
| Infosys | 158 |
| Infogain India Pvt. Ltd. | 16 |
| TCS | 7 |
| Polycab | 5 |
| IBM | 1 |
| AppPerfect | 2 |
| IGate | 2 |
| Tega Industries Ltd. | 1 |
| FACE | 3 |
| Innoraft Solutions Pvt. Ltd. | 3 |
| Salucro Healthcare Solutions | 2 |
| Appirio India | 2 |
| Voylla Retail Pvt. Ltd. | 4 |
| BigStep Technologies | 2 |
| Soctronics Technologies | 2 |
| Absolutdata | 1 |
| GirnarSoft | 1 |
| AurigaIT | 1 |
| Infostretch Solutions Pvt. Ltd. | 1 |
| Metacube Software Pvt. Ltd. | 2 |
| NIIT Technologies | 1 |
| Skillrocks Technologies* | 7 |

TOTAL

417

B.TECH. 2014

COMPANY NAME SELECTIONS

| | |
|--------------------------------------|----|
| Cognizant Technology Solutions | 71 |
| Infosys | 49 |
| Tech Mahindra | 85 |
| Infogain India Pvt. Ltd. | 20 |
| TCS | 16 |
| Data64 | 8 |
| HCL Technologies | 13 |
| FranConnect India Software Pvt. Ltd. | 8 |
| IBM India Pvt. Ltd. | 4 |
| Meditab Software Inc. | 5 |
| Sopra Group | 7 |
| Metacube software Pvt. Ltd. | 4 |
| Aptean | 4 |
| AppPerfect | 1 |
| InOpen Technologies | 4 |
| OnGraph Technologies | 8 |
| Allen | 7 |
| NIIT Technologies | 2 |
| GirnarSoft | 2 |
| Voylla Retail Pvt. Ltd. | 5 |
| Priya Industries | 4 |
| Capgemini | 1 |
| eClinical Works | 1 |
| Tega Industries Ltd. | 1 |
| Kamal Cogent Energy Pvt. Ltd. | 3 |
| Intime Tec | 4 |
| Auriga IT | 4 |
| Daffodils | 2 |
| Busigence Technologies Pvt. Ltd. | 3 |

COMPANY NAME

SELECTIONS

| | |
|--|----|
| GVK EMRI | 3 |
| Gempulse Infotech Pvt. Ltd., (Fullestop) | 3 |
| ATCS | 3 |
| Nifty Innovations Pvt. Ltd. | 3 |
| Neerja Software Pvt. Ltd. | 14 |
| Appcino Technologies Pvt. Ltd. | 3 |
| Collabera Technologies | 2 |
| Kirat Crafts | 2 |
| 11techsquare Pvt. Ltd. | 1 |
| Axel Networks | 1 |
| A3Logics | 1 |
| Prowess Infosystems Pvt. Ltd. | 1 |
| eWIZ Technology | 1 |
| J K Technosoft | 1 |
| B24 e Solution Pvt. Ltd. | 5 |
| PC Support System | 14 |
| Wipro BPO | 7 |

TOTAL

411

MBA 2015

COMPANY NAME

| | |
|--------------------------------------|----|
| BMW | 4 |
| HDFC BANK | 16 |
| AIRCEL | 6 |
| IDEA | 1 |
| GIRNAR SOFT | 1 |
| GENPACT | 9 |
| DAINIK BHASKAR | 2 |
| MTS | 14 |
| ONS GLOBAL, JAIPUR | 6 |
| KAIZEN ROBEONICS RESEARCH PVT. LTD., | 2 |
| HUMAN CAPITAL | 2 |
| INFOSYS | 4 |
| JAIPUR RUGS | 1 |
| ICICI PRU | 3 |
| SPG INDIA PVT. LTD. | 1 |
| CREATION BEYOND IMAGINATION | 1 |

TOTAL NO. OF SELECTIONS (upto May 2015)

73



SOME OF OUR CAMPUS RECRUITED STUDENTS



COGNIZANT



I GATE



INFOSYS



INFOGAIN



INNORIFT



ARMY



AURIGA IT



FACE



BIG STEP, TECHNOLOGY



GIRNAR, METACUBE



APPPERFECT, INFOSTRETCH SOLUTION



IBM



POLYCAB



APPIRIO

PRAVAH-2015 (INAUGURAL DAY)

For the last 15 years, Pravah -the annual techno-cultural and sports extravaganza of SKIT is a festival where engineering students take a break from their daily curriculum to indulge into a fiesta of live music, enchanting and enriching exhibitions, workshops and competitions. With a wide range of events and performances, Pravah promises to be a fun experience year after year.

Several days prior to the final events students worked out – right from designing the décor, planning events, bringing in the sponsors and seeing to all the nitty-gritty details – to make sure nothing gets in the way of providing the students with a unique Pravah experience. Due to all their efforts, this year Pravah had two celebrity nights, starring Dr. Kumar Vishwas- renowned hindi poet and bollywood singer- Gajendra Verma.

Not only this, Pravah under its social initiatives worked as Balmitra- to educate children of slum areas, Swachh Bharat Abhiyaan- a clean-up drive, He for She- campaign for women empowerment.

The five day festival began on 23 February, 2015 with inaugural ceremony in Gyan Mandir auditorium. Keeping the tradition, lighting of the lamp followed with Saraswati Vandana marked the beginning of the ceremony. This was followed by digital inauguration of PRAVAH-2015 by our honorary guests. Digital inauguration stole the show in which inaugural ribbon was cut automatically by touching onto a touch screen. The whole system was synchronized with bluetooth and to add to all of this an automatic aeroplane showered flowers and balloons everywhere in the auditorium. Students were excited seeing all this especially the freshers.

The ceremony started with floral welcome of the guests accompanied by a welcome note delivered by the Director of SKIT, Shri Jaipal Meel. He extended a hearty welcome to all the dignitaries and congratulated Dr. Vinita Sharma, Convener, Pravah-2015 for organising such a spectacular show and giving free hand to students.

The Chief Guest at the inaugural, Prof. Sadanand S. Gokhale, Director, LNMIIT, Jaipur congratulated the college management for organizing such a mega event. In his address, he stressed upon the importance of time, commitment, moral values and asked them to participate in extracurricular activities. Besides this, he exhorted the students and faculty members to indulge in research activities to enrich their academic profile.

The speech was followed by another exhilarating address by the guest of honour Mr. Gopal Saini. He regaled the gathering by sharing his personal experiences and stories of his struggling days.

He told the students importance of good health and asked them to pursue hard work to achieve their goal in life.

The guests were honoured with mementoes following which Dr. S. K. Calla, Director(D& W) presented a vote of thanks. With it, numerous events in technical, sports and cultural field got kick started.

PRAVAH-2015 (ANNUAL DAY)

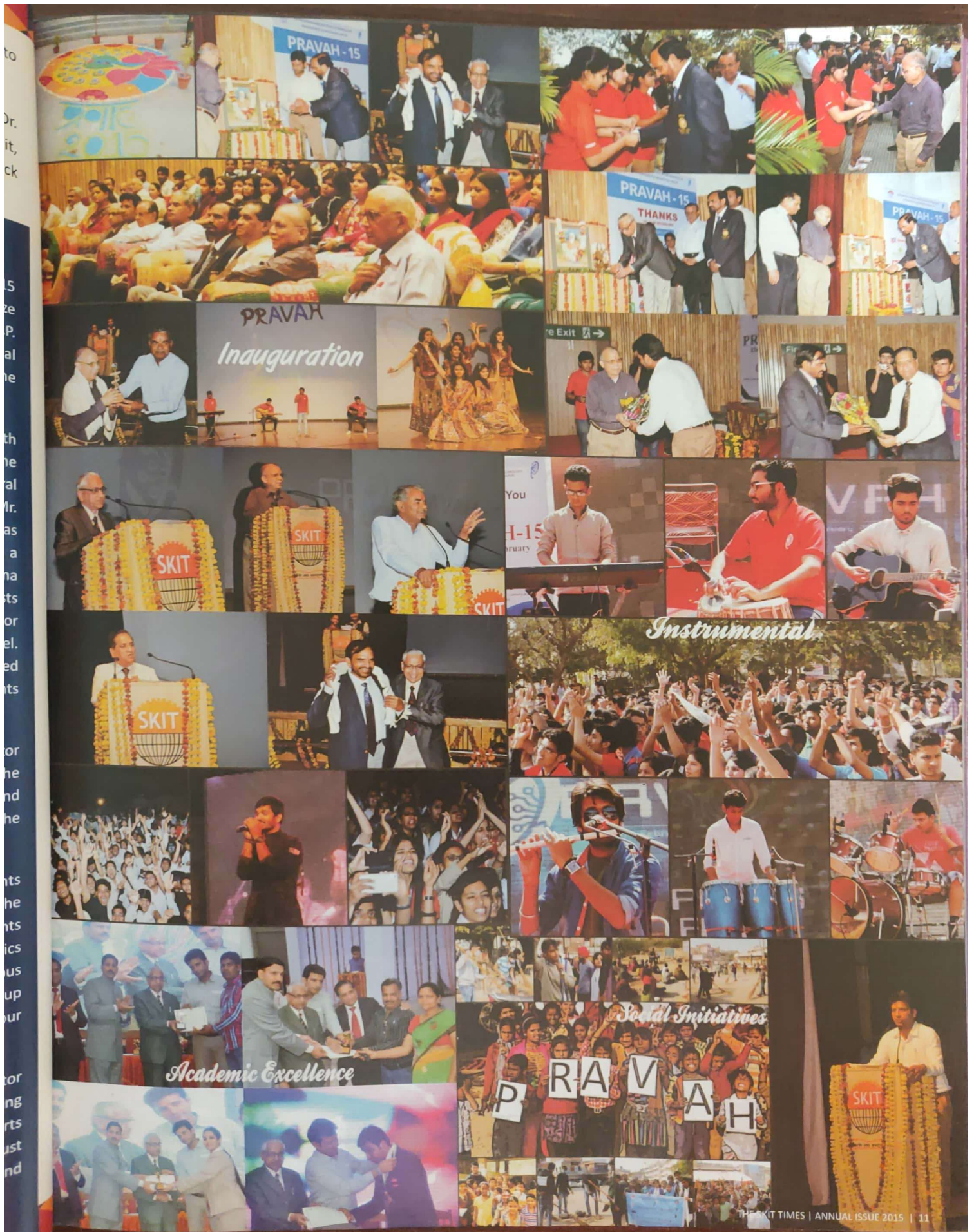
The annual techno-cultural and sports fest of SKIT, Pravah 2015 culminated with grand annual day celebrations. The prize distribution ceremony witnessed the presence of Prof. R.P. Yadav, Former Vice Chancellor of Rajasthan Technical University. Meritorious students were awarded in the ceremony.

The celebrations began at Gyan Mandir auditorium, with auspicious lamp lighting ceremony, paying homage to the goddess of wisdom. Shri Shreemat Pandey, secretary Rural Development & Panchayat Raj., Govt. of Rajasthan and Mr. Ashwini Saxena, Director, Jaipur Metro ,graced the occasion as chief and presiding guests respectively. They were offered a floral welcome by the Director Academics SKIT, Prof. S. L.Surana and Director(D&W) SKIT Dr. S. K. Calla. Our esteemed guests were also honoured with a shawl and a memento by Director SKIT Shri Jaipal Meel and Chairman SKIT Shri Surja Ram Meel. The chief patron of the institute Shri Raja Ram Meel welcomed the revered guests and acknowledged the efforts of students and faculty members in the successful organization of Pravah.

The annual report of the college was presented by Director Academics Prof. S.L.Surana. The report expounded the academic and co-curricular progress of the SKIT family and detailed the laurels earned by the members of SKIT family in the past academic session.

Mr. Jaipal Meel, Director also addressed the students motivating them to set new benchmarks and congratulated the participants of Pravah 2015. The aspiring ,talented students and alumni were awarded prizes for excellence in academics and other activities. Following the formal programme, various mesmerizing performances such as Indian & western Group dance, classical dance and drama performances added fervour to the event.

The final vote of thanks was delivered by Dr. S.K. Calla, Director (D&W) who expressed his gratitude to the Pravah organizing committee and student volunteers for their painstaking efforts to make Pravah the success that it was. All good things must come to an end; so did PRAVAH with a promise to be bigger and better next year.



BLOOD DONATION CAMP

Students of SKIT always make sincere efforts to serve the society. Continuing the practice, a voluntary blood donation camp was organized for another consecutive year on 27 September 2014 in collaboration with Youth Red Cross Club, Lions Club, SMS Hospital blood Bank, Santokba Durlabhji Memorial Hospital, and Swasthya Kalyan Blood Bank, Jaipur.

Present at the inaugural ceremony were Dr. Lalit Mehra, Chairman & MD, Rajasthan Warehousing Corporation as the chief guest and Dr. S. S. Agarwal, Chairman, Swasthya Kalyan Group of Institutions as the guest of honour. Mr. S. R. Meel, Chairman, SKIT, Mr. Jaipal Meel, Director, SKIT, Prof. S. L. Surana, Director (Academics), Dr. S. K. Calla, Director (Development and Welfare) were also present on the dais. The programme began with a welcome speech by chairman S.R.Meel. He greeted the guests and lauded the students for putting in voluntary social service in the medical field. He threw light on the importance of blood donation as, despite medical advancements, human blood still cannot be synthesized artificially. He congratulated the SKIT family for setting new records of blood donation every year.

Prof. S. L. Surana also stressed the vital need of blood. He highlighted the alarming shortage of blood in Indian hospitals in comparison with other countries. He motivated the staff and students to come forward and offer mankind this best gift. Dr. S. S. Agarwal applauded the consistent efforts of the SKIT family towards the noble cause. He told the audience that donating blood not only brightens up the spirit of the donor by giving him the internal satisfaction of having done something positive for society, it also triggers a process of rejuvenation of blood cells in



his veins. He observed that serving society this way builds our total personality and gives us a positive attitude.

The Chief Guest, Dr. Lalit Mehra, described donation of blood as the most noble donation. He exhorted the youths to develop the habit of blood donation from young age only. He even went a step ahead and stressed the need for organ donation. He profusely lauded the student volunteers for demolishing the myth of weakness after blood donation. Dr. S.K.Calla, Director (Development and Welfare) proposed a vote of thanks to the dignitaries and congratulated Mr. Ankush Tandon, Sr. Lecturer, Dept. of Electrical Engineering for making such well ordered arrangements and making the camp a success. The camp concluded with distribution of gifts to the blood donors.



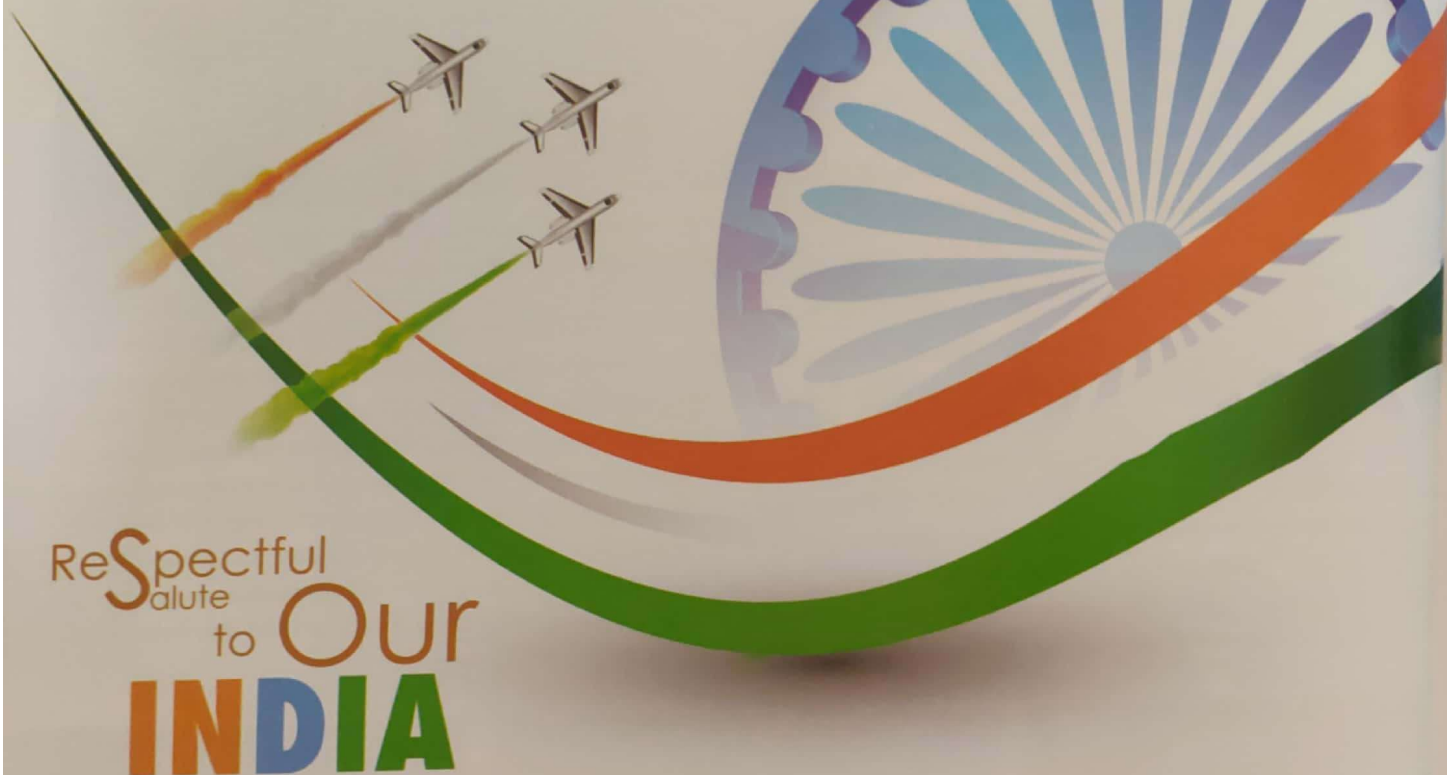
ORIENTATION OF B. TECH. I YEAR STUDENTS

On 4 August, 2014, the SKIT family organized an orientation ceremony to welcome the 1st year students. It began with lighting of lamp and a melodious song to invoke the blessings of the Almighty. This was followed by the floral welcome of the esteemed chief guest, Prof. A. P. Singh, Vice Chancellor, Central University of Rajasthan, Shri Surja Ram Meel, Chairman of SKIT delivered the welcome address in which he expounded on the value of a disciplined life and exhorted the students to utilize the four years at college to the utmost and flower out as creative and good humans. He also extended a warm welcome to the parents, asked them to be vigilant about their wards and assured them that SKIT will leave no stone unturned to shape their child's future. Mr. Jaipal Meel, Director SKIT, briefed the students and their parents about SKIT. He apprised the students of the facilities provided at SKIT and the functioning of the various clubs and forums so that they excel and become all rounders.

Prof. (Dr) S .L Surana, Director (Academics) shared the vision and mission of SKIT with the new students. He delineated the principles of

discipline and regularity as the key rules of SKIT. He encouraged the students to work with complete devotion during these four years, not only in studies but also in extra co-curricular activities. Prof. A. P. Singh, Chief Guest, Vice Chancellor, Central University of Rajasthan, addressed the gathering by first congratulating the parents and students on becoming a part of the SKIT family. He explained the importance of evaluation, innovation, education and discipline in life. He laid emphasis on honesty, integrity and hard work to be successful in life. According to him, there is 99% perspiration and only 1% inspiration behind a successful life. Dr. S.K. Calla, Director (D&W) SKIT proposed a vote of thanks.

The second half of the session began with cultural performance a mesmerizing group song. Then Prof. Anil Mehta of the University of Rajasthan enlightened the students with his motivating speech on positive appearance, happiness, opportunities and gratitude. He urged the students to engage whole heartedly in whatever task they perform so that they never fail. He laced his speech with stories and anecdotes, and motivated the students to strive hard for their dreams. With his exhilarating speech the ceremony came to an end.



INDEPENDENCE DAY CELEBRATION

The institute celebrated the Independence Day in an atmosphere of patriotism and veneration for the freedom fighters. The celebration began with tricolour hoisting by Chief Guest, Mr. Raja Ram Meel, Chief Patron of the institute who extended his greetings to the audience and reminded them of the sacrifices of freedom fighters. He exhorted the young engineers to imbibe moral values and understand the importance of a good character. Prof. S. L. Surana, Director (Academics) laid stress on the importance of introspection. He also emphasized the importance of good reference books and asked the students to consult them. He called attention to the worth of time and urged the students to be wise in its management.

Dr. S. K. Calla, Director (D&W), underlined the various problems facing India and spurred the students to find their solutions. Certificates and cash awards were conferred on faculty members who had brought out quality research work. The recipients included, Prof. Rohit Mukherjee (Dept. of Mathematics), Prof. Amber

Shrivastava (Dept. of Mathematics), Dr. Niraja Saraswat (Reader, Dept. of English), Dr. Lalit Gehlot (Sr. Lecturer, Dept. of English), Mr. Jai Prakash Vijay (Sr. Lecturer, Dept. of ECE), Mr. Vipin Jain (Sr. Lecturer, Dept. of CS), Dr. Sangeeta Gupta (Reader, Dept. of Mathematics), Dr. Komal Sharma, (Reader, Dept. of Physics), Mr. Naval Kishore Jangid (Sr. Lecturer, Dept. of Mathematics), Mr. Rukhsar Zafar (Sr. Lecturer, Dept. of ECE), Mr. Ashish Nayyar (Reader, Dept. of ME), Mr. Chanadan Kumar (Lecturer, Dept. of ME), Mr. Prakash (Lecturer, Dept. of ME). Students with achievement in sports were also awarded on the same occasion. The institute also honoured Mr. Hazari for his dedicated services.

Prof. (Dr.) N. K. Banthiya, Head, Dept. of ME, SKIT talked about the many sacrifices of the freedom fighters. He wished that every Indian should rise above social evils. The celebration culminated in a cultural programme put up by students which included a play on the theme of the Jaliyawala Bagh massacre, poetry recitation and musical performances. The programme ended with distribution of sweets to all.

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 tricolor 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 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 Dr. Calla proposed a formal vote of thanks.

FELICITATION ON TEACHERS' DAY

Lions International Club organised a felicitation function on Teacher's Day at Hotel Clarks Amer on 6 September 2014. Prof. (Dr.) S.L. Surana, Director (Academics) was honoured for his contribution in the spread of quality technical education by their District Governor Mr. Sumer Jain. Mr. Kalicharan Saraf, Education Minister, Government of Rajasthan was the chief guest of the function. We feel highly privileged to work under the guidance of Prof. (Dr.) S.L. Surana. A felicitation programme was also organized to commemorate the birthday of former president and renowned academician Dr. Radhakrishnan. State Bank of India honoured two faculty members from SKIT, Prof. Ramesh Pachar, Principal and Head, Dept. of EE and Dr. Vinita Sharma, Reader, Dept. of Chemistry. They were conferred the title of 'Best Teacher' for their significant contribution in teaching and other pursuits. The Editorial Board conveys its heartiest congratulations to the recipients of the honour.



SPIC MACAY PROGRAMME

Swami Keshwanand Institute of Technology Management & Gramothan (SKIT), Jaipur witnessed the very famous folk singer Bundu Khan at a show organized by SPIC MACAY, Jaipur where students interacted with the famous singer.

The show began with ganesh vandana followed with Nimbuda – Nimbuda, Damadam Mast Kalander, etc., the Langa singers stir hearts of the students and everyone present there with their

powerful voices, lyrics and melody. Their strong voices, poignant lyrics and increasing tempo of the music soon conveyed a vignette of Rajasthan.

Institute's Director Mr. Jaipal Meel, Director Academics Prof. S. L. Surana & Advisor Mrs. Abha Meel felicitated Bundu Khan and his group and also the coordinator Miss Himani Khinchi of SPIC MACAY, Jaipur for putting up an amazing show.

RTU INTERCOLLEGE VOLLEYBALL TOURNAMENT

Rajasthan Technical University (RTU) inter-college Volleyball Tournament was hosted by SKIT on 19-21 September 2014. The inaugural ceremony witnessed the presence of dignitaries including Mr. M. M. Ansari (Sports Officer UCE RTU, Kota) as the chief guest, Mr. Jaipal Meel, Director, Prof. S. L. Surana, Director Academics, Dr. S. K. Calla, Director (D&W), Prof. Ramesh Pachar, Principal. 22 teams of boys and 10 teams of girls participated in the tournament. The winner in girls' category was Rajasthan College of Engineering for Women and in boys' category, Vivekanand Institute of Technology won the competition. The runners up included Poornima Institute of Engineering and Technology in girls and Jaipur Engineering College in boys category respectively. The tournament was organized by sports secretary Mr. Hiralal Chaudhary, Ankit Jat (CE-IV year) and Anurag Singh (CS-III year).



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. 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 | |

ALUMNI MEET 2015

An Alumni meet was organized on 28 March at 1:00 pm. It was marked by the presence of 80+ alumni's from different colleges. They shared valuable feedback about the college and their professional life after SKIT. A survey form was also filled up which had their detailed information along with the feedback. The programme witnessed the presence of Shri Surja Ram, Chairman, who welcomed the students. A cultural show was presented in honour of them. It was successfully coordinated by Neeraj Dhawan, Associate Professor, Dept. of CS.



AAVEG 2015

The inaugural ceremony of Aaveg was held with great fervor on Feb., 2015. The chief guest Mr. Gopal Saini, Dept. of Sports and Physical Education, lit the traditional lamp for an auspicious start to the tournament. Prof. (Dr.) S. L. Surana extended his good wishes to the participants and asked them not to be afraid of defeat. He emphasized that victory and losses are essential facets of life. The participants took a pledge to preserve the sportsman spirit. Dr. S. K. Calla, Director (D&W), proposed a vote of thanks to the people present. The tournament saw various contests in which more than 50 teams from all over Rajasthan participated.

| | | | |
|---|---------------------------------|---|--|
| 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. | |

The students of SKIT participated in various Inter college competitions. The details are as under:

| EVENT | VENUE | ACHIEVEMENT |
|---|---|--|
| RTU (Rajasthan Technical University) Basketball Tournament. | Balaji College of Technology, Jaipur | Boys Team Runners-up |
| RTU Badminton Tournament. | Shankara Institute of Technology, Jaipur | Boys Team Runners-up. Girls Team Runners-up. |
| Daksh Annual Sports Fest. | Balaji College of Technology, Jaipur | Basketball Boys Team Winners. Football Boys Team Winner. Table Tennis Boys Team Winner. Basketball Girls Team Runners up. |
| Manipal Annual Sports Fest | Manipal Institute of Technology, Jaipur | Cricket Boys Team Runners-up. |
| JKLU Annual Sports Fest | JK Laxmipat University, Jaipur. | Basketball Boys Winner. |
| Alacrity Annual Sports Fest | JEC Group of Colleges, Jaipur | Badminton Girls Team Runners-up. |
| Poornima Group of Colleges Annual Sports Fest | Poornima College of Engineering, Jaipur | Basketball Boys Winner. Volleyball Boys Runners-up. |
| IIT Jodhpur Annual Sports Fest | Indian Institute of Technology ,Jodhpur | Basketball Boys Runners-up Volleyball Boys Winner. |
| EKLAVYA Annual Sports Fest | Gyan Vihar University, Jaipur | Badminton Boys Team Runners-up. Nivedita Jha (Girls Singles Badminton) Runners up. |
| Vanquish Annual Sports Fest | Global Institute of Technology, Jaipur | Nivedita Jha (Girls Singles Badminton) Winner. Basketball Boys Team Runners-up. |
| RIET Annual Sports Fest | Rajasthan Institute of Engineering and Technology, Jaipur | Badminton Boys Team Winner. Basketball Boys Team Runners-up. |

The following students were selected in various games to represent Rajasthan Technical University at other state and national level competitions.

BASKETBALL BOYS

- 1.Yuvraj Singh (3rd year Civil)
- 2.Dharamveer Jadon (4th year Computer Science)
- 3.Yogesh Saroha (MBA 1st year)
- 4.Rahul Jhanjharia(2nd year,CE)

BADMINTON BOYS

- 1.Mayank Soni (2nd year ,ECE)
- 2.Yash Vijay (1st year,CS)

VOLLEYBALL BOYS

- 1.Ankit Jaat (4th year,CE)
- 2.Yuvraj Singh(3rd year,CE)

BASKETBALL GIRLS

- 1.Manali Khatri (4th year, ECE)
- 2.Tarushi Sharma (2nd year, ECE)

BADMINTON GIRLS

- 1.Nivedita Jha (3rd year,ECE)

VOLLEYBALL GIRLS

- 1.Divya Pathak(4th year,ECE)
- 2.Tripti Jain (1st year,CS)

29 NATIONAL CONVENTION OF COMPUTER ENGINEERS AND NATIONAL SEMINAR ON EMERGING TECHNOLOGIES IN COMPUTER ENGINEERING



Department of computer science and engineering organized the 29th 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 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.



PROF. SUBRAMANIAN'S DISCOURSE

At SKIT, Prof. K. Subramanian gave an inspirational and soul message to the final year students on 23 August. Prof. Subramanian is ex-senior deputy director general at National Informatics Center, Ministry of Communications & Information Technology, New Delhi & also honorary Information Technology Advisor to Comptroller & Auditor General (CAG) of India. He has more than three decades of experience in ICT introduction design, development, implementation & audit of technology systems, a pioneer in introducing technology in banking. He is currently working on ICT education and management. Prof. Subramanian has been a fellow of IETE, National Telematics Forum, India Science Association and Indian Institute of Standards Engineers, Association of computing machinery ACM (USA), Association of certified Fraud Examiners (ACFE, USA).

In his lecture he talked about the relationship between information technology and economy. He enthused the budding engineers with the live examples of Bill Gates and The Internet. His speech was not only pro to technology but also laid stress on the ideas that are social as well as commercial. His concept of innovation from the very roots was very moving. Then he talked about the cyber security and its dealings in day-to-day world. He with his best ways established the thoughts, made the students aware about the various aspects of security. Prof. Subramanian covered each and every aspect of security issues in this world and especially in our country. He also discussed innovation, productivity, knowledge management and digital future. Ms. Nidhi Jain, Lecturer coordinated the programme with student coordinators Aakarshak Singh and Shubhangi Modi.

CRT TRAINING SESSIONS

Dept. of CS/IT organized a one week training programme for the students. It encapsulated the training sessions on different modules including operating system, database management system, mobility and cloud computing, object oriented programming and basic programming.

LECTURE ON IBM BLUE-MIX RELATED TO CLOUD COMPUTING

A lecture was organized by Dept. of CS/IT on cloud computing. Mr. Mani Madhukar, an eminent figure in the field, addressed the gathering. Eight faculty members and 104 students attended the lecture. Mr. Mehul Maharshi, Sr. Lecturer, coordinated the event.



LAUNCHING OF COMPETENCY CENTRE UNDER MICROSOFT ED-VANTAGE PROGRAMME

Dept. of CS/IT launched a competence centre under Microsoft on 12 and 13 May, 2014. Mr. Pradeep Kumar, subject matter expert from Microsoft, delivered his speech on curriculum adoption and cloud curriculum adoption. Mr. Sunil Dhankar, Sr. Lecturer coordinated the activity.

PROJECT SUBMISSION

All departments submitted 37 projects to Dept. of Science & Technology (DST), Rajasthan. Mr. Dheeraj Joshi, Reader, Dept. of ME coordinated the 'Project Submission'.

CO-TEACH FOUNDATION PROGRAMME ELECTIVE

"Co-teach" is a new offering for campus connect partner autonomous /deemed /recruitment institutions which gives an opportunity to the students to learn from Infosys subject matter Experts and practitioners. It is organized by campus connect team of Infosys. Technology will be leveraged to carry these virtual classroom sessions to a live audience. This programme aims to make the students industry ready by providing application oriented exposure to fundamental concepts, and also by exposing them to the industry's best practices. The co-teach series focuses on the "Foundation Programme Project, Tools and Case Studies."

SALIENT FEATURES

- Targeted at deemed universities and affiliated colleges having Infosys recruits in India;
- Electives co-created by Infosys and the partner institutions;
- Targeting 20% - 25% delivery of the overall 40 hour course by Infosys subject matter experts and practitioners;
- Co-teach sessions based on the inputs received from the institutions. We have scheduled two courses, Business Intelligence and Foundation Program (FP);
- The focus of the sessions is tightly integrated with the academic schedule.
- The session recordings would be made available on the Campus Connect Portal.
- The portal will also offer offline learning mechanisms, such as discussion forum, additional resources etc.

BENEFITS TO STUDENTS

- Direct interaction of students with Infosys experts.
- Students will improve their application oriented knowledge and get an exposure to the industry's best practices.
- Students will get exposed to the industry's methods of teaching and learning. Case study based learning will strengthen the basic problem.

CS/IT faculty members from SKIT are being certified for "Inspire Faculty Excellence DC Awards-2014".

1. Mr. Mahendra Kumar Beniwal, Mr. Pankaj Dadheech (Gold Award).
2. Mr. Sanwanta Ram Dogiwal, Ms. Payal Gupta, Ms. Sanju Chaudhary, Ms. Kajal Mathur (Silver Award).
3. Mr. Naveen Jain, Ms. Richa Rawal (Bronze Award)

INDUSTRIAL VISIT

Industry Visited: Intex, WAP, Mahavir Spinning
Location: Baddi
Date: 20 Feb. 2015



DEPT. OF MECHANICAL ENGINEERING

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 to 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". Excellent tutorials were also held during the conference: one 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 Programme 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, Head, 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 in the field.

AICTE SPONSORED FACULTY DEVELOPMENT PROGRAMME ON "TRAINING OF TRAINERS FOR ACCREDITATION"

An AICTE sponsored two weeks Faculty Development Programme on "Training of Trainers for Accreditation" was successfully organized by the Department of Mechanical Engineering from 03 March, 2015 to 03 April, 2015. The programme had the primary objective of helping the trainees to train other faculty members in accreditation related activities and quality improvement in their respective organizations as trainers.

There were participants from different states of the country: Maharashtra, Madhya Pradesh, Haryana, Odisha, Andhra Pradesh, Tamil Nadu, Karnataka, Gujarat, Rajasthan, Kerala and Punjab. Most of these participants had rich experience and high positions in their respective organizations.





Principal, Head of the Department, Dean (Finance) and Registrar in their respective institutions. Dr. N. K. Banthiya, Head, Mechanical Engineering Department, Dr. B. L. Gupta and Dr. V. H. Radhakrishnan from NITTTR, Bhopal were the chief resource persons for this programme.

The inaugural ceremony commenced with lighting of the divine lamp and sacred hymns. The success mantra LLL i.e. 'Learning, Learning, Learning' was disclosed. Mr. Surja Ram Meel, Chairman SKIT addressed the session with his motivating words, 'Don't think we are weak and that we owe the potential to overcome everything'. Mr. Dheeraj Joshi, Programme Coordinator gave the core view of the event. When, in 1950 there were only 30 modest institutions, today there are more than 20,000, which gives a loud call to the qualitative analysis. Prof. (Dr.) S. L. Surana, Director Academics threw light on how we should pull one level up in studies so as to become comparable to the developed countries. It is high time to improve the employability of graduates. Prof. I.K.Bhatt, Director MNIT, Jaipur presided over the programme as the Chief Guest. He laid emphasis on the need of accreditation of engineering institutes with India being a member of Washington Accord. He said that infinite challenges will be emerging in the near future. We have to analyse and understand the problems and find their solutions in the most feasible manner. Today, more amount of technical education is required than it was required before. Students ought to be exceptionally good; possessing skills like creative thinking, innovation, ability to hear, capture knowledge effectively and most of all know how to generate knowledge. It is the responsibility of a teacher to talk futuristic and educate instead of just literating the budding nation builders.

Dr. N.K.Banthiya, Head, Dept. of ME quoted, 'working on documents and implementing on them in true spirit is important and not just making them'. Guest of honour, Prof. Raisinghani urged to develop and bring the practice of learning in routine rather than just for a day to show off. He said, 'why seek happiness for a day, when you can hold it forever'. The session concluded with a vote of thanks by Mr. Ankit, Organising Secretary of the programme.



In the valedictory function, programme coordinator, Mr. Dheeraj Joshi, presented the report stating that there were 90 participants in the programme. There were thirty comprehensively designed input cum discussion sessions over the period of two weeks. The participants in their feedback expressed their thanks about academic gains and high quality of the programme. They also appreciated the participative and interactive nature of the programme along with the hospitality provided by the institute.



As a part of Independence Day celebration, the Department of Mechanical Engineering organized 'Shramdan' after the main flag hoisting ceremony. A large number of students, staff and faculty members of Mechanical Department enthusiastically participated in this activity and showed 'Dignity of Labour' by their participation. Mr. Ankit Agarwal (Sr. Lecturer) coordinated this activity. HOD congratulated all the participants and coordinators for the successful activity.

TEACHERS' DAY CELEBRATION

Teacher's Day was celebrated with great fervour on 5 September 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.





ANNUAL TECHNO MEET OF CAD DESK

An Annual Techno Meet was organized on 2 Aug. 2014 by CAD DESK, Jaipur. Two faculty members Mr. Sandeep Bhaskar and Mr. Arun Beniwal were deputed by the department to participate in this meet. Shri Surja Ram Meel, Chairman SKIT was the special guest for this meet.

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.

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.

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 in the seminar. The faculty members and students got abreast of the latest technologies in this field.

FACULTY DEVELOPMENT ACTIVITIES

M/s Sciencetech Technologies displayed some of their training equipment in the Mechatronics laboratory on 12 December, 2014. Faculty members of Mechanical and Electrical Engineering Department attended the activity.

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, Department of Mechanical Engineering on 17 November, 2014. In the workshop, course files and manuals were updated as a part of a continuous process for improvement in teaching learning methodology.

Dr. 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 video presentation. He also emphasized on the techniques for improvement of teaching methodology.

WIND RESOURCE ASSESSMENT SOFTWARE

A demonstration of wind resource assessment software based on CFD simulation was arranged for the faculty members of the Department of Mechanical Engineering on 15 October, 2015. The 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 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 zone competition of the event was organized in SKIT on 28 September, 2014. Mr. Ashish Nayyar (Reader, ME) and Mr. Sudhanshu Chhabra (Lecturer, ME) were the faculty coordinators and Mr. Priyanshu Chhabra (Semester, ME) and Mr. Prayag (V semester, ME) were the student coordinators.

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:

| 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) |

FACULTY DEVELOPMENT ACTIVITIES

A training programme on Four Stroke Single Cylinder Variable Compression Spark Ignition Engine and Four Stroke Four Cylinder Variable Speed Compression Ignition Engine which have been acquired by the department under MODROB scheme of Govt. of India was organized on July 19, 2014. Mr. Nagraj from Technical Teaching (D) Equipments, Bangalore demonstrated functioning of both Engines. Thirty participants including staff and faculty members participated in the training programme. Mr. Ashish Nayyar (Reader) coordinated this training programme.

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.

WEBINARS ATTENDED BY FACULTY

Faculty members of Department of Mechanical Engineering have attended IUCEE webinar series on "Outcomes Based Education" from 24 to 31 August 2014, by Dr. Krishna Vedula, Professor and Dean Emeritus, University of Massachusetts Lowell, USA, Executive Director, Indo US Collaboration for Engineering Education (IUCEE).

PRIZE IN PROJECT EXHIBITION UNDER THAR - 2015 AT RTU, KOTA

Thirty students of SKIT from CS/ IT, EE & Mechanical Engineering department under the guidance of Mr. Ajay Kumar Dhanopia, (Faculty Coordinator) participated in a project exhibition under THAR-2015 organized by Rajasthan Technical University, Kota from 10 to 11 April, 2015. Initially a total number of 16 projects (nine projects from ME deptt., three projects from EE deptt. and four projects from CS/ IT deptt) were accepted by RTU for demonstration in the project exhibition. The competition cum exhibition was the opportunity for engineering students to demonstrate application of sound engineering principles toward the innovation and creativity by efficient projects. With a large number of teams across Rajasthan, one of our project entitled "Feature-Rich Practical Online Application for the Training & Placement Department of College" from CS /IT engineering department secured third position in this competition. The students also received certificates for the participation.

ACHIEVEMENTS:

1. 3rd prize in technical project exhibition
2. Winning team members
 - i. Raninder Kaur
 - ii. Sneha Priyadarshini
 - iii. Sakshi Vyas
 - iv. Sandeep Agarwal

Project guide- Mrs. Poonam Varshney
(Sr. Lecturer-CS/IT Deptt.)

AN AUTODESK CERTIFIED ASSOCIATE (AUTOCAD) ONLINE EXAM, 2015

An online examination for certification in AUTOCAD was organized by CadEasy, Jaipur in CAD Laboratory, Mechanical Engineering Department on January 17, 2015. Seventy five students and six faculty members from Mechanical Engineering Department participated in this examination. Mr. Arun Beniwal (Lecturer, ME) coordinated the examination.

SAEINDIA INTERNATIONAL GO-KART CHAMPIONSHIP 2015

A team of SAEINDIA Collegiate Club of SKIT had participated in "International Go-Kart Championship" held at Lovely Professional University, Jalandhar, Punjab from 27th March to 31st March 2015. In this competition around 63 teams from all over India had participated in this competition with GO-KART. Our team received appreciation from the selection panel for innovations and safety parameters.



TEAM MEMBERS

Devesh Jain, Captain (VIII Sem., ME), Jaijeet Singh(VIII Sem., ME), Pawan Singh(VI Sem., ME), Aman Jain(IV Sem., ME), Raghav Khandelwal (IV Sem., ME), Prithul Shekhar (IV Sem., ME), Sagar Vashist (VI Sem., ME), Anshuman Goswami (VI Sem., ME), Tushar Chauhan (IV Sem., ME), Deepak Sharma (IV Sem., ME), ManoharTaa (VI Sem., ME), Pankaj Ramawat (VI Sem., ME), Akarsh Sharma (IV Sem., ME), Tushar Sahani(IV Sem., ME), Shoaib Khan(VI Sem., ME), Sanjay Sain(VI Sem., ME), Palash Goyal (VI Sem., ME), Puneet Tank(VI Sem., ME), Neeraj Sharma (VI Sem., ME)

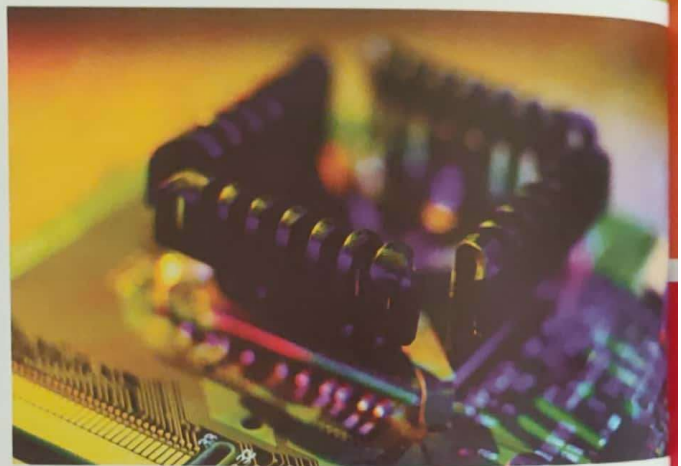
FACULTY COORDINATORS

1. Mr. Ashish Nayyar , Reader, ME
2. Mr. Rajendra Singh Chundawat, Lecturer, ME

DEPT. OF ELECTRICAL ENGINEERING

M.TECH. DISSERTATION COMPLETION

Mr. Sunil Agrawal (University Roll No.- 09ESKPS614) completed his M.Tech. under Dr. Akash Saxena, with viva voce (dissertation) held on 03 April, 2015 and 11 April, 2015 in Seminar Hall (Academic Block).



DEPT. OF ELECTRONICS AND COMMUNICATION

The department successfully completed the MODROB project. Under the project, the department has developed a virtual instrument for temperature monitoring and control using Lab VIEW software.

INDUSTRIAL TOURS

Places Visted : Haridwar-Dehradun-Jaipur
Date : 28 Jan-2 Feb 2015
Students : 114
Supervised by : Mr. Lalit Lata (Co-ordinator), Mr. Ramesh Kumar, Mr. Prashant Vashisht, Mr. Neeraj Jain, Mrs. Supriya Mahala, Ms. Ritu Jain, Dept. of ECE



DEPT. OF CIVIL ENGINEERING

Students of B.Tech. VII semester visited the STP plant at Delawas, Pratap Nagar, Jaipur on 31 August 2014 and 1 September 2014. The visit was conducted to enhance the knowledge of students about the procedure and working of the sewage treatment plant. Faculty Coordinators for the visit included Dr. Kedar Sharma, Mr. Pankaj Gupta, Mr. Manmohan Sharma and Mr. Pankaj Jain.



DEPT. OF SCIENCE AND HUMANITIES

DEPT. OF ENGLISH

SOFT SKILLS

It has been a long standing complaint of employers as well as managers that the newcomers, i.e., students fresh out of college / university lack soft skills and are unemployable. Colleges, on the one hand, expect the parents to teach them soft skills first and then send them to college, and parents put the ball back in the college's court blaming them for charging exorbitant fees and still not training their wards in soft skills. The result of this mutual blame game is that the students suffer. They fall far behind in etiquette & soft skills. Predominantly missing amongst students is the ability to communicate properly in the English language and express their views correctly and clearly. They realize this only when placement agencies come calling. While still there is time, all it requires is a little bit of extra effort from the faculty's side, a little care from the parents' side and a little more effort from the students.



We all know that prevention is better than cure. Taking cognizance of this scenario SKIT has come up with a special soft skills cell in the Civil Block, equipped with a whole array of gadgets to provide the required ambience and instruction that would make our students outstand in the market. The target of our coaching is the current job-market where there are too many job seekers and too few jobs. Good communication skills are invaluable during the job interview. If a candidate has less substance on the 'hard skill' side, good 'soft skills' can be an excellent balancing factor. We frequently come across superb conversationalists whose technical knowledge is not worth talking about, but who occupy high places in the industry. This is what we want to instill into our students. The current soft skills programme of our college is comprised of twelve sessions wrapped up in a period of three months. These sessions engage the students

in presentations, group discussions, role plays, debates, interpretations along with giving them a glimpse of the rudimentary requirements of the corporate and industrial world. Wednesday brings up an event which is effectively co-ordinated by the faculty members of the department of English. These events witness an encouraging participation by the students even while raising a platform for their personality grooming. A list of winners hosted by the soft skills cell and its respective winners is given below:

| 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.E) II Rank- Deepti Bhatnagar (B. Tech. I Yr. Sec. E) |
| Poetry Recitation Competition | I Rank-Tanushri, II Rank-Navjeet & Pulkit, III Rank- Akshay | I Deepti II - Vandana III- Tanu |

SOFT SKILLS CELL: FELICITATION CEREMONY

November has been a very lucky month for the students of this semester since they got a chance to show up for the ravishing felicitation ceremony organized 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. 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 of Comedy Minutes with Sahil, Satyamev Jayate, group song, 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 a formal vote of thanks to the honourable guests.

CERTIFICATION FROM CAMBRIDGE

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

FELICITATION CEREMONY (I YEAR)

"Life isn't about finding yourself, life is about creating yourself". This was unfolded in the Felicitation Ceremony held on 29 April 2015. With the prime object of felicitating first year students the show conveyed a beautiful message, " despite of your impediments and difficulties life still goes on". With the tireless efforts and restless toil of English department and second year students the ceremony turned out to be a great success and was appreciated by everyone. Under the guidance of 2nd year students the first year students got a platform to showcase their talent. The show commenced with the feedback where the audience was driven back into the memories through a captivating video by Aakarshak Singh Jasrotia. This was followed by a choir coordinated by Dr. Niraja Saraswat and Akanksha Patel which gave wings to the minds and charm to the thoughts of the audience. "Disability is just a matter of perception. The person having disability today may have super ability tomorrow." This was unfurled very well in the English play directed by Mrs. Neha Purohit, Shailja Maheshwari and Swati Upadhyay. Next in the row was a mime act portraying the life of a woman and the hardships she has to face coordinated by Dr. Nidhi Sharma and effectively directed by Shree Soni. The subsequent event that added to entertainment was a short movie on Youth-the springtime of life directed by Dr. Lalit Gehlot and Ayush Sharma. The last was a Hindi play coordinated by Ms. Deepa Sarabhai, Tej Jain, Tushar Chauhan and Chandrakant. Next were the appreciations where Rajdeep Sukhwil of fourth year was awarded as the best outgoing student by Cognizant. Shobhit Pathak IV year, Akarshak Singh Jasrotia of II Year and Pooja Dwivedi of II Year were declared winners and first runner up and second runner-up respectively for slogan competition by SKIT toastmasters club. All the golden moments of the ceremony were captured by Amit Mahawar, the co-ordinator of photography. The ceremony left its deep imprint into the hearts of audience and earned a lot of applause.

PROF. BHARGAVA'S ORIENTATION CLASSES

Prof. M. L. Bhargava, Advisor, SKIT, conducted orientation sessions for students of B. Tech. I year in September. He discussed the role of engineers in society and oriented the students towards research and innovation.

INTER SECTION DRAMA COMPETITION

A tribute to the charm of vibrancy in culture
A tribute to the land of power and might
A tribute to the righteous diversity
A tribute to the royal land -RAJASTHAN

An intersection drama competition was organised by soft skill cell on the auspicious occasion of Rajasthan Day. To lighten the ambience with dramatic excellence, we had our 1st year students performing with creative acts. The legacy of art and drama went on with on stage with creative acts. The legacy of art and drama went on with the alluring flow to entertain the audience. All sections performed beautifully making it difficult for jury to declare the winner. The competition ended with roar of excitement and was appreciated by the faculty members and students.

DEPT. OF MANAGEMENT STUDIES

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 the 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. S P 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 translates 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 Shrortiya summarized 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 19 November. Ms Maneesha Kaushik, Associate Professor, DMS, SKIT spelt out the significance of Management and threw light on the thought provoking and inspirational work of late Peter Drucker. The valedictory session was presided over by Padmabhushan Dr. V.S. Vyas. He enlightened august gathering on the latest business strategies, challenges and opportunities in the world and has 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. Savita Choudhary and Dr. Ona Ladiwal proposed a vote of thanks to all the dignitaries and participants.

SHUBHAARAMBH : EMPOWERING FUTURE MANAGERS

A three day orientation programme, Shubhaarambh: Empowering Future Managers was organized by the dept. of Management Studies.

The programme was inaugurated by dignitaries including Shri P.N Bhandari, Member RERC, Shri Dev Kumar, Associate Director-HR,SSTL, Shri Surja Ram Meel, Chairman, Mr. Jaipal Meel, Director, Prof. (Dr.) S.L Surana ,Director Academics, Dr. S.K Calla, Director (D&W), Prof. S P Garg, Dean, Dept. of MBA, Shri Surja Ram Meel, Chairman, SKIT expressed his views on the importance of Management in life. He said that managers are always needed everywhere and in every field as well.

A session on ' Know your MBA Education ' was conducted by Mr. Dev Kumar who threw light on future opportunities for the management

students in various fields. He motivated the students by saying "all of us do not have equal talent but all of us should have an equal opportunity to develop our talents".

Mr.P.N Bhandari shared some of his experiences during the time of his service. His main focus was to promote students for innovation. He asked students to modify their lives which will pave the way for a better society. He also exhorted the students to make right decisions in their lives .

Mera Parichay, Meri Pehchan enabled the freshers to introduce themselves. Various ice breaking and team building activities were organized to familiarize them with the MBA programme and the seniors. The programme ended with a vote of thanks delivered by Ms. Maneesha Kaushik, Senior lecturer, dept.of MBA. The entire programme was coordinated by Ms. Maneesha Kaushik and Mr. Anshul Gupta, faculty members, Dept. of MBA.

DAY 2

Day 2 of the orientation programme, Shubhaarambh, at Swami Keshwanand Institute of Technology, started with the agenda of the overall development of the potential of the budding managers while creating awareness of all the existing clubs of the college like the Entrepreneurship Development Cell, Toastmasters International, Ecofriends club, NSS, Music and Dance club, Soft skills training, Gavels club and other sports clubs. It was followed by a session on 9 success mantras for a manager taken by prof. S.P.Garg. "Main Bechonga Sab kuch bikta hai" saw enthusiastic participation by students. Its objective was to make them aware of the latest trends and technologies being used in the marketing sector. An interactive session with the alumni of the college was thoroughly enjoyed by the students. It was followed by some indoor games played by the students, and the winners were declared too.

DAY 3

The last day of the orientation programme – Shubhaarambh commenced with a general awareness quiz, Ms. Maneesha Kaushik being the quizmaster and Mrs. Ona Ladiwal the co-ordinator. It was followed by an extempore competition which saw the students speaking on a wide range of topics related to management education and an ice breaking session which intended to break the mutual coldness among new students. A session on 'Strengthening your Reading Habits' was very enlightening. It encouraged the students to inculcate good reading habits to make them effective managers. It was followed by a session on- 'The Value of values of life' taken by Professor M.L. Bhargava. He emphasized the need to remain ethical in all managerial decision making for the betterment of any organization as well as the country at large. The programme concluded with a valediction ceremony where prizes for various competitions were distributed by the Director of the college Shri Jaipal Meel, Director (D&W), Dr. S.K. Calla, Director (Academics) Prof. S. L. Surana and Dean of DMS Prof. S P Garg.

WORKSHOP@SKIT.COM

A workshop on e-communication and e-etiquette was organised in the Business Administration Department of SKIT, Jaipur on 28 Aug. 2014. The objective of the workshop was to create awareness about e communication and e-etiquette through various activities and presentations by Dr. Krishna Sharma, Reader, Dept. of English, Dr. Shikha Agarwal, Sr. Lecturer, Dept. of English and Mr. Atul Gupta. The students created their individual blogs under the guidance of Dr. Shikha Agarwal. The event was coordinated by Dr. Krishna Dayal Sharma and Mr. Atul Gupta under the supervision of Dr. SP Garg, Dean, Business Administration.

BALKALAKAR- A SOCIAL ENTREPRENEURSHIP INITIATIVE

Department of Management Studies, in association with AISEC India, organized an event 'Balkalakar an Initiative' to provide a platform for the underprivileged. A movie was also screened in the Mechanical seminar hall for around 200 kids from various NGO's as a part of the event, to help them realize their dreams. The event was a

huge success. It was inaugurated by Dr S.K. Calla (Principal SKIT) and followed by a welcome speech by Ms. Maneesha Kaushik. Radio partners for the event were 93.5 FM. The Radio Jokies too interacted with the kids and recorded their feedback on the event. It concluded with a vote of thanks extended by Dr. Ramesh Pachar, Vice Principal SKIT. This social entrepreneurship event was well coordinated by Dr. Savita Choudhary and Ms. Maneesha Kaushik.

PROF S P GARG, DEAN, DMS

- Invited as Key Note Speaker in Technical Session on "Corporate Social Responsibility" during a National Seminar organized by Dept of ABST, University of Rajasthan on 21 February 2015.
- Participated in a Seminar on India's Engagement with Free Trade Agreements: Opportunities and Challenges organized by CII and Government of India on 3 March 2015.
- Delivered a talk on "Emotional Connect for Success" for ICWAI, Jaipur chapter participants on 16 March 2015.
- Shared the thoughts as Panel Member in FDP on Training of Trainers for Accreditation organized by SKIT on 2 April 2015.
- Chaired the Technical Session during International Conference On Management and Information Technology on the theme "Technical & Higher Education in India : Emerging Landscapes" on 11 April, 2015

WORKSHOP ON MAKE IN INDIA

A workshop on 'Make in India' was organized by Prof. S. P. Garg, Dean, to make the MBA students aware of the importance of the cause undertaken by our prime minister. The students attended the workshop in large number.

WORKSHOP ON INDIAN ECONOMY: OPPORTUNITIES AND PROMISES

A workshop on Indian Economy: Opportunities and Promises was organized by Department of Management Studies on 16 July 2014. Students who gave presentation on the topic are as follows: Pooja Viya, Pankaj Singhal, Pooja Meena, Mahesh Sharma, Reena Birwa, Nirbhay Rao. Ms. Maneesha Kaushik and Mr. Atul Gupta also expressed their views on the emerging trends in Indian economy. Prof. S. P. Garg, Dean DMS, congratulated all the participants for their active participation in the workshop.

INDUSTRIAL VISIT

- Students of MBA visited Clay Craft India at VKI and Big Bazar, Tonk Road, on 29 September 2014. It gave practical knowledge and functional exposure in addition to theoretical knowledge. Mr. Atul Gupta and Ms. Maneesha Kaushik coordinated the visit.



STUDENTS ACHIEVEMENTS

- Yogesh Saroha got selected in Haryana Olympic Team for basket ball.
- A team comprising of Nirbhay Rao, Diksha Chouhan, Aslam Khan won first prize in a B-plan competition among 14 teams of Rajasthan organized by IIM Campus Jaipur.
- Following students of Department of Management Studies presented papers at The IIS University on 3 and 4 April:
 1. 'Challenges and opportunities of rural marketing in India' by Preeti Gupta
 2. Challenges of tourism marketing in India by Khushoo Kumari
 3. Mobile Marketing: Convenient Marketing Trend by Neelima Sharma
 4. Branding Strategies of Financial Services by Diksha Chauhan
 5. Analytical study marketing of financial service by Nirbhay Kumar Rao

WORKSHOP ON EFFECTIVE GROUP DISCUSSION FOR SUCCESS

With the objective to strengthen the employability skill of students, a workshop on "Effective Group Discussion for Success" was organized in the Department of Management Studies by Mr. Atul Gupta, Sr. Lecturer, DMS on 4 December, 2014. Prof. S P Garg, Dean DMS was the key resource person for the workshop. Prof. Garg shared his expertise with participants.



PANEL DISCUSSION ON "UNION BUDGET 2015"

The Union Budget is an important economic event in India and is presented in the backdrop of the Economic Survey, providing a complete picture of the Indian economy. The Union Budget of 2015 assumes special significance as this is the very first major policy document of the new government which lays down the framework to be followed for next few years. Keeping this Imperative in mind Department of Management Studies organized a Panel Discussion on Union Budget-2015 on 2 March, 2015. Dr. Girish Goyal, Chairperson, CS Institute, Jaipur Chapter, Prof. S. L. Surana, Director-Academics, SKIT, Prof. S. P. Garg, Dean-DMS, SKIT were the panelists for the session. Dr. Girish shared his views on Corporate Sector & Taxation Impact of Union Budget. Prof. Surana presented a deep insight on impact of budget on Science & Technology and Education Sector. Prof. Garg talked about the budget impact on Banking & Finance sector, Social Agri. and Rural Development. Mr. Atul Gupta, programme coordinator spelled the importance of budget and praised the students for the effective learning. He also proposed the formal vote of thanks to the honorable panelists. The event was a great success.

WORK SHOP ON CREDIT AND DEBIT CARD OPERATIONS AND SECURITY ASPECTS

In the changing time, financial transaction awareness & kn is expected on related fields. The payment system through and Debit Cards & new delivery channels is challenging and process. Therefore Department of Management Studies org workshop on Credit and Debit card operations and security on Wednesday, 4 February, 2015. Prof. SP Garg, Dean DMS, former Managing Director of BOBCARDS Ltd(a subsidiary of Baroda) was the Resource Person. The work shop was coo by Dr. Ona Ladiwal, Reader, Dept. of MBA.

GUEST LECTURES

- A guest lecture by Mr. Shailendra Prasad Chouhan on Dev Sales and Marketing Skills was organized on 1 April 2015.
- Workshop on financial Literacy for creating awareness banking and financial products was successfully organize May 2015. It was coordinated by Mr Atul Gupta, Sr. Dept. of MBA
- Workshop on Leadership and Positive Attitude successfully organized on 4 May 2015. It was addressed Praveen Surana, MD of Morpho Saffron Company, Banga

EYES PHASE II

DMS has initiated various measures / initiatives to upgrad Employability Skills of the students to improve their place opportunities. In this direction, EYES PHASE-2 was conducted covered various modules like Soft skills, Back to basics, Ap tests, General Awareness, Group Discussions, Mock Interviews Studies, Situational Decision Making etc. The programme coordinated by Dr. Savita Choudhary with support from all members in the department and also from outside resource pe viz : Dr Krishna Dayal Sharma, Mr Harminder Singh, Mr Ravi Ra others.

FAREWELL

Farewell for the batch 2013-2015 was organized on 6 May 20 the Juniors. Ms Khushboo Kumari was declared Ms Farewell and Ankush Bairwa was declared Mr Farewell after a round of acti and competition.

UPCOMING EVENTS

- SIMAP-Small Industries Management Programme association with SIDBI will be conducted at DMS.
- A holistic development programme PROMISE is to be launc In the next semester. It stands for Purposeful Regular Obtain Measurable Individually focused Success oriented Engagem - PROMISE. The purpose of the programme is to ensure that management students are equipped to become gl professionals with the versatile skills needed to be productiv the workspace.
- Additional certificate courses will be organized on Internatio Business and Export Management.
- Additional Certificate course on Sales Tools and Techniques
- Preparation for course IBPS/Banks Competitive Examinations



RESEARCH PAPERS PUBLISHED

TITLE : Analysis of Energy Conservation of an Institutional Building using Design Builder Software
JOURNAL : International Journal of Recent Advances in Mechanical Engineering, Volume: 4 (1), February 2015
AUTHOR : Mrs. Sarita Choudhary, Reader Dept. of ME

TITLE : FEM Analysis of High Impact Velocity on Composite Laminated Plates
JOURNAL : International Journal for Scientific Research & Development Volume: 34(2), April, 2015
AUTHORS : Mr. Ved Parkash, Mr. Chandan Kumar, Ms. Suman Anand, Mr. Himanshu Singh Rathore, Mr. Chandramohan Kumar, Dept. of ME

TITLE : FEM Simulation of Impact of Round Tool on Composite Laminated Block
JOURNAL : International Journal for Innovative Research in Science & Technology, Volume: 1(10), March, 2015
AUTHORS : Ms. Suman Anand, Mr. Himanshu Singh Rathore, Mr. Sunil Kumar, Mr. Chandramohan Kumar, Dept. of ME

TITLE : Analysis of Emission Characteristics of NM-Diesel Blend on VCR Diesel Engine
JOURNAL : International Journal of Recent Advances in Mechanical Engineering, Volume: 4(1), February, 2015
AUTHORS : Mr. Ved Parkash, Mr. Chandan Kumar, Mr. Manish Bafna, Mr. Ashish Nayyar, Mr. Ankit Agarwal, Dept. of ME

TITLE : Effect of Variation of Compression Ratio and Injection Pressure on Performance and Emission characteristics of CI engine using Various Alternative Fuels: A Review
JOURNAL : IJRET, Volume: 4(1), January, 2015
AUTHORS : Mr. Ankit Agarwal, Mr. S.L. Soni, Mr. Dinesh Kumar Sharma, Mr. Sandeep Kumar Bhaskar, Dept. of ME

TITLE : Synthesis & Characterization of Layered ZnTe Thin films
JOURNAL : International Journal of Computer Systems (IJCS) on Synthesis & Characterization of Layered ZnTe Thin

films, 2015.0204001

AUTHOR : Ms. Swati Arora, Sr. Lecturer, Dept. of ECE

TITLE : Ultra-High Sensitive Plasmonic Refractive Index Sensor based on Ring Resonator

JOURNAL : IEEE International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO), held on 24-25 Jan 2015 in Visakhapatnam, Andhrapradesh

AUTHORS : Ms. Rukhsar Zafar, Ms. Khyati Sethia, Mr. Vaibhav Mathur, Ms. Tanvi Arora, Mr. Utkarsh Kabra, Mr. Vaibhav Pathak, Mr. M. Salim, Dept. of ECE

TITLE : Wideband Slow Light achievement in MIM Plasmonic waveguide by controlling Fano Resonance

JOURNAL : ELSEVIER, Infrared Physics & Technology, Vol. 67, November 2014, Pages 25-29

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

TITLE : A Review on Waste Reduction through Value Stream Mapping Analysis

JOURNAL : International Journal of Research (IJR) Vol. 1, Issue-6, July 2014, ISSN 2348-6848, Page 200-207

AUTHORS : Mr. Praveen Saraswat, Lecturer, Mr. Manoj Kumar Sain, Reader, Dept. of ME

TITLE : Facts, Fiction and Fabrication as a fabulating device unraveling the fractured Identity in Salman Rushdie's 'Midnight's Children'

JOURNAL : International Journal of English Literature, Language, Skills, Vol.3, Issue 3, IJELLS - Oct. 2014, ISSN 2278-0742

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

TITLE : Ultra Flattened Dispersion over Telecom Wavelength in Ring Based Photonic Crystal Fiber

JOURNAL : IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834, p-ISSN: 2278-8735. Volume 9, Issue 4, Ver. IV (Jul - Aug. 2014)

AUTHORS : Ms. Yazusha Sharma, Ms. Rukhsar Zafar, Sr. Lecturer, Dept. of ECE

TITLE : An under-frequency based islanding scheme of Rajasthan Power System

JOURNAL : International Journal of Electrical & Electronics Engg. Research (IJEER), Vol. 4, Issue 1, Feb. 2014, impact factor 5.64

AUTHOR : Mr. Sarfaraz Nawaz, Reader, Dept. of EE

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 0.998, 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

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

AUTHORS : 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 (IJEC), Volume 2, Issue 12, December 2014 and Paper Id : IJEC-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

JOURNAL : Conference 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, ISSN2278-2508, Volume 4, Issue 2 ; 2014

AUTHORS : Mr. S. R. Dogiwal, Mr. Y. S. Shisodiya, Mr. Abhay Upadhyaya, Dept. of CSE

TITLE : Intensification of 4 way Handshaking in IEEE802.11

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

AUTHORS : 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

AUTHORS : 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

AUTHORS : 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

AUTHORS : 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

AUTHORS : Mr. Sarfaraz Nawaz and Mr. Ankush Tandon, Dept. of EE

TITLE : Optical and Dielectric Properties of Pulsed Laser Deposited Nanocrystalline ZnTiO₂ Thin Films

JOURNAL : SKIT Research Journal, an international journal

of Engineering , Science , Humanities and Management, ISSN2278-2508 ,Volume 4, Issue 2 ; 2014

AUTHORS : 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

AUTHORS : 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

AUTHORS : 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

AUTHORS : 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

re-search¹ /rɪ'sɜ:tʃ,
[plural] 1 serious
discover new facts
research into
student
lab

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 Ethoxyphthalimide

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

AUTHORS : 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** : Analytical Study of Marketing of Financial Services
CONFERENCE : International Conference on Marketing (ICM) - 2015 Contemporary Trends & Challenges Across the Globe
VENUE : IIS University, Jaipur
DATE : 3-4 April 2015
PRESENTER : Prof. (Dr.) Vikas Shrotriya , Dept. of MBA
- TITLE** : 'Branding Strategies of Financial Services'
CONFERENCE : International Conference on Marketing (ICM) - 2015 Contemporary Trends & Challenges Across the Globe
VENUE : IIS University, Jaipur
DATE : 3-4 April 2015
PRESENTER : Prof. (Dr.) Vikas Shrotriya , Dept. of MBA
- TITLE** : 'Mobile Marketing: Convenient Marketing Trend
CONFERENCE : International Conference on Marketing (ICM) - 2015 Contemporary Trends & Challenges Across the Globe
VENUE : IIS University, Jaipur
DATE : 3-4 April 2015
PRESENTER : Prof. (Dr.) Vikas Shrotriya , Dept. of MBA
- TITLE** : Opportunities and Challenges of Rural Marketing in India
CONFERENCE : International Conference on Marketing (ICM) - 2015 Contemporary Trends & Challenges Across the Globe
VENUE : IIS University, Jaipur
DATE : 3-4 April 2015
AUTHOR : Prof. (Dr.) Vikas Shrotriya , Dept. of MBA
- TITLE** : Challenges of Tourism marketing in India
CONFERENCE : International Conference on Marketing (ICM) - 2015 Contemporary Trends & Challenges Across the Globe
VENUE : IIS University, Jaipur
DATE : 3-4 April 2015
PRESENTER : Dr. Savita Chaudhary, Sr. Lecturer, Dept. of MBA
- TITLE** : Make in India: Pathway to Economic Excellence
VENUE : University Maharani's College, Jaipur
DATE : 23-24 January 2015
PRESENTER : Ms. Maneesha Kaushik, Sr. Lecturer, Dept. of MBA
- TITLE** : Companies Act 2013 and its Impact on Corporate Social Responsibility
VENUE : Department of Accountancy & Business Statistics, P.G. School of Commerce, University Campus, University of Rajasthan, Jaipur

DATE : 20-21 February 2015
PRESENTER : Dr. Ona Ladiwal, Reader, Mr. Atul Gupta, Sr. Lecturer, Dept. of MBA

TITLE : Value of Ethics
SEMINAR : National Seminar on Education for Enhancing Ethics & Excellence
VENUE : Pacific University, Udaipur
DATE : 11-12 January 2015
PRESENTER : Dr. Ona Ladiwal, Reader, Mr. Atul Gupta, Sr. Lecturer, Dept. of MBA

TITLE : Medical Tourism: An Emerging Service Sector in India
CONFERENCE : National Conference on Emerging Dimensions of Tourism in India: Opportunities & Challenges
VENUE : University Commerce College, Jaipur
DATE : 13 -14 February, 2015
PRESENTER : Mr. Atul Gupta, Sr. Lecturer, Department of Management Studies

TITLE : Correlation between various water quality parameters (statistical procedure)
SEMINAR : National Seminar on Current Trends in Environmental Research
VENUE : Maharaja Ganga Singh University, Bikaner
DATE : 28 Feb.-2 March 2015-05-08
PRESENTER : Dr. Sharda Soni, Reader , Dept. of Chemistry

TITLE : Spectrophotometric Studies on Soluble Metal Chelate of Cu²⁺ With 1-Nitroso-2-naphthol-3,6-disulphonic Acid
CONFERENCE : National Conference on Frontiers at the Chemistry-Allied Sciences Interface (FCASI-2015)
VENUE : Center of Advanced Study, Department of Chemistry, University of Rajasthan, Jaipur
DATE : 13-14 March 2015
PRESENTER : Dr. Sharda Soni, Reader , Dept. of Chemistry

TITLE : Design of Waste Heat Operated Heat Exchanger
CONFERENCE : International Conference on Recent Trends in Mechanical Engineering
ORGANIZED BY : Vivekananda Institute of Technology, Jaipur
DATE : 25 March, 2015
AUTHORS : Mrs. Sarita Choudhary, Jagdish Bhadu, Dept. of ME

TITLE : The Future of Indian Mobility: Self Driven Car
CONFERENCE : National Conference on Emerging Trends in Mechanical Engineering in Education & Professional Practices
DATE : February 28 and 1 March, 2015
ORGANIZED BY : Poornima Group of Institutions, Jaipur
PRESENTER : Mr. Ajay Dhanopia, Mrs. Namita Soni, Dept. of ME

TITLE : Design, Development & Testing of Convertible Bicycle
CONFERENCE : All India National Conference on "Futuristic Approaches in Civil & Mechanical Engineering
ORGANIZED BY : Maharishi Arvind Institute of Engineering & Technology, Mansarovar, Jaipur
DATE : March 24 and 25, 2015
PRESENTER : Mr. Ajay Dhanopia, Dept. of ME

TITLE : Design, Development & Testing of Prototype of Vertical Axis Wind Turbine for Highways
CONFERENCE : International Conference on Recent Trends in Mechanical Engineering
ORGANIZED BY : Vivekananda Institute of Technology, Jaipur
DATE : March 25 and 26, 2015
PRESENTER : Mr. Ajay Dhanopia, Dept. of ME

TITLE : Green Manufacturing: Current Society Issues and Possible Solutions using Green Concept
CONFERENCE : Recent Trends in Mechanical Engineering
ORGANIZED BY : Vivekananda Institute of Technology, Jaipur
DATE : 23 March, 2015
PRESENTER : Mr. Sudesh Garg, Mr. Keshav Jakhota, Dept. of ME

TITLE : A Comparative Study on Impact of TQM and TPM Approach on Organizational Performance
CONFERENCE : National Conference on Emerging Trends in Mechanical Engineering in Education and Professional Practices
ORGANIZED BY : Poornima Group of Institutions, Jaipur
DATE : February 28 and 1 March, 2015
PRESENTER : Mr. Ved Parkash, Ms. Suman Bandoliya, Mr. Chandan Kumar, Mr. Praveen Saraswat, Dept. of ME

TITLE : Power Generation from Air-borne Wind Turbines – Review and Comparison
CONFERENCE : National conference on Emerging Trends in Mechanical Engineering in Education and Professional Practices
ORGANIZED BY : Poornima Group of Institutions, Jaipur
DATE : February 28 and 1 March, 2015
AUTHORS : Ms. Suman Anand, Mr. Chandramohan Kumar, Mr. Himanshu Singh Rathore, Mr. Sunil Kumar, Dept. of ME

TITLE : Nanotribology : A Review
CONFERENCE : National Conference on Emerging Trends in Mechanical Engineering in Education and Professional Practices
ORGANIZED BY : Poornima Group of Institutions, Jaipur
DATE : February 28 and 1 March, 2015
PRESENTER : Mr. Sudesh Garg, Mr. Keshav Jakhota, Mr. Sunil Kumar, Dept. of ME

TITLE : Green Solutions for Manufacturing and

CONFERENCE : Curing Society Concerns
 All India National Conference on "Futuristic Approaches in Civil & Mechanical Engineering
ORGANIZED BY : Maharishi Arvind Institute of Engineering & Technology, Mansarovar, Jaipur
DATE : March 24 and 25, 2015
PRESENTER : Mr. Sudesh Garg, Mr. Keshav Jakhota, Mr. Sunil Kumar, Dept. of ME

TITLE : Medical Tourism: An Emerging Service Sector in India
CONFERENCE : National Conference on Emerging Dimensions of Tourism in India: Opportunities & Challenges
VENUE : University of Rajasthan, Commerce College
DATE : 13 -14 February, 2015
PRESENTER : Mr. Atul Gupta, Sr. Lecturer, Department of Management Studies

TITLE : Correlation between various water quality parameters (statistical procedure)
SEMINAR : National Seminar on Current Trends in Environmental Research
VENUE : Maharaja Ganga Singh University, Bikaner
DATE : 28 Feb.-2 March 2015-05-08
PRESENTER : Dr. Sharda Soni, Reader, Dept. of Chemistry

TITLE : Optimization of Feed-Line Dimensions for Rectangular Micro-strip Patch antenna by using Bhatnagar's Postulates
DATE : 22-23 Aug. 2014.
SEMINAR : IETE Zonal –North National Seminar on 'Future Trends in Communication Technologies' at Manipal University
PRESENTER : Mrs. Monika Mathur, Abhijat Vats, Ghanshyam Singh, Prof. S. K. Bhatnagar, Dept. of ECE

TITLE : Design and Implementation of Microstrip Antenna with Novel Fractal Geometry
DATE : 22-23 Aug. 2014.
SEMINAR : IETE Zonal –North National Seminar on 'Future Trends in Communication Technologies' at Manipal University
PRESENTER : Mrs. Monika Mathur, Mr. Satish Somani, Mr. Ghanshyam Singh and Prof. S.K. Bhatnagar, Dept. of ECE

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

PRESENTER : Campus, Mysore, Karnataka, India
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 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 : 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 : Value of Values of Ethics
SEMINAR : 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.
DATE : 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
DATE : 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
DATE : December 2014
PRESENTER : Mr. Baibhav 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
PRESENTER : Ms. Anjali Pandey, Sr. Lecturer, Dept. of CSE

TITLE : Request allocation and Resource Management Techniques in Cloud Computing
VENUE : International Conference on Recent

PRESENTER : cognizance in wireless communication & image processing-ICRCWIP-2014 (ICRCWIP2014)
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)

PRESENTER : Mr. Mehul Mahrishi, Sr. Lecturer, Dept. of CSE

VENUE : MNNIT, Allahabad

ATTENDED BY : Mr. Manoj Kumar Sain, Reader, Dept. of IT
Mr. Praveen Saraswat, Lecturer, Dept. of IT

WORKSHOP : Train the Trainer Workshop on Agile Software Development

DATE : 14 -16 July 2014

VENUE : National Institute of Technology, Kurushetra

ATTENDED BY : Mr. Manoj Nama, Mr. Mehul Maharshi, Sr. Lecturer, Dept. of CS/ IT

WORKSHOP : Short term Course on Emerging Technologies Electronic Devices and Materials in Current Scenario

DATE : 1- 4 October 2014

VENUE : Material Research Centre, MNIT Jaipur

ATTENDED BY : Mrs. Shubhi Jain, Mrs. Manju Choudhary, Mr. Rukhsar Zafar, Mr. P. K. Jain, Mrs. Monika Mathur, Dept. of ECE

CONFERENCE /WORKSHOP AND SHORT TERM COURSES ATTENDED

TITLE : Recent advances in hydrogen fueling in IC Engines

DATE : 07 to 11 July, 2014

ORGANISED BY : TEQIP, IIT Delhi

VENUE : IIT Delhi

ATTENDED BY : Mr. Dinesh Kumar Sharma, Sr. Lecturer, Dept. of ME

WORKSHOP : Training of Trainers for Accreditation

DATE : 23 March -03 April, 2015

ORGANIZED BY : Deptt. of Mechanical Engineering, SKIT

ATTENDED BY : Prof. S.K. Bhatnagar, Mr. Mukesh Arora, Mr. P.K. Jain & Ms. Monika Mathur, Dept. of ECE

WEBINAR : Webinar on Fundamentals of Stock Market

DATE : 20 January 2015

ATTENDED BY : Ms Maneesha Kaushik , Senior Lecturer, Dept. of MBA

TITLE : 'Mentoring - How it can help you succeed'

DATE : 16 Dec 2014

ATTENDED BY : Ms Maneesha Kaushik, Senior Lecturer, Dept. of MBA

TITLE : Faculty Development Program for Mechanical CAD using AutoCAD & Creo

DATE : 16 Feb. 2015 – 21 Feb. 2015

ORGANIZED BY : CADDESK at Head Office, Jaipur

ATTENDED BY : Mr. Arun Beniwal, Mr. Sandeep Kumar Bhaskar, Mr. Chandra Mohan kumar

WORKSHOP : Short Term Course on CAD/CAM and Advance Machining

DATE : 01 to 5 July 2014

ORGANIZED BY : Motilal Nehru National Institute of Technology (MNNIT), Allahabad

TITLE : Short term Course on "Application of Nanotechnology in Current Scenerio"

DATE : 22-26 August 2014

VENUE : Material Research Centre, MNIT Jaipur

ATTENDED BY : Mr. P. K. Jain, Reader, Mrs. Swati Arora, Sr. Lecturer, Dept. of ECE

CONFERENCE : Changing Times: Reinventing the Indian Growth Story

DATE : 21-22 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 : 20 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 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

PAPER REVIEWED

Title : Modelling the Green Manufacturing Implementation Factors: An ISM approach
Journal : Emerald – Measuring Business Excellence
Reviewed By : Prof. Alok Mathur, Dept. of ME

BOOKS- PUBLISHED

TITLE : Newer Machining Methods , ISBN: 978-93-83266-46-3

AUTHORS : Sudesh Garg and Keshav Jakhota
PUBLISHER : Ashirwad Publication, Jaipur

TITLE : Machining and Machining Tools ISBN: 978-93-83266-42-5

PUBLISHER : Ashirwad Publication, Jaipur
AUTHORS : Sudesh Garg and Keshav Jakhota

TITLE : Environmental Engineering & Safety
PUBLISHER : University Book House (pvt.)Ltd., ISBN 978-81-8198-181-3

AUTHORS : Dr. Shada Soni, Dr.K.K.Saxena and Dr.Devendra Agrawal

Candle

Wears the colour of purity at its best,
Provides the warmth to the person at rest,
Lives with the spirit of giving all life long,
Opposes the darkness, the evil until its death.

Surely it melts into nothingness,
But to a transparent soul at the end;
Maybe to the world it appears just a waste,
As they always turn to it in a haste;
But those who adore the beauty it holds,
Recognise the unique nature it has.

For the stumbling thread it's a pillar of strength,
A support that prevents a fall;
The weak thread is even vital for its existence,
They are the inseparable lovers indeed,
Without one, the other is incomplete,
In unity lies the power to defeat.

What is selfless love they portray to the world,
One cares, the other dies, holding a bright smile.
To the eyes it seems, Only a ray of light,
But the heart very well knows,
It is a necessary sacrifice,
Made by both for one another,
In order to live and die together.

To humans their love is a blessing,
But to them it's a curse,
They burn each moment in the fire of love,
Yet smile, shine, and lead a kindly light.

Ironical it is, So much love these tiny things hold,
Where we just grow in size,
While the love shrinks instead of magnifying.

Through the eyes of the heart I perceive,
A candle as nothing else, But a man filled with love,
Rather a heart which still beats,
And gives more than it receives.



Komal Motwani
III B.Tech., Dept. of CS

CAMEO

an array of clubs

TOASTMASTERS CLUB

Coordinator : Prof. Pramila Bafna

Toastmasters International, California, U.S.A, is a world leader in communication and leadership development. Toastmasters International have their chartered community clubs all across the globe in colleges and corporate firms and SKIT Toastmasters is one such distinguished part of it in Jaipur. SKIT Toastmasters Club has been one of the most prominent clubs in the college since its inception. It aims at nourishing communication skills of students, enhancing their personality and developing self confidence in order to prepare them to face the corporate sector. Some of the toastmasters have been able to achieve good scores in exams like GRE, TOEFL and this has opened the doors of foreign universities for them. The club also encourages students to realize their role as responsible citizens of India.

Members of SKIT Toastmasters are continuously improving and giving tough competition to other public and corporate clubs at the area, division and district levels of international speech making competitions of Toastmasters International. This year toastmaster Rajdeep Sukhwat stood I at club level speech contest. Rajdeep Sukhwat brought laurels to the college by winning the first runners up prize. He also stood III at the division level humorous speech contest. Toastmaster Shobhit Pathak stood II at club level and III at area level humorous speech contest and grabbed II rank at the club level table topic contest. Sanchita Rajvanshi brought laurels to the college by winning the club level contest. She also stood II at the area level table topic contest.

The club is growing in all direction as it has incorporated different kinds of new activities like panel discussions, brainstorming sessions and debates which help students hone their speaking and leadership qualities in a friendly atmosphere.



TMC: - A MATCHLESS GIFT FOR ME

This is my 3rd Semester of the college. As a beginner the first word uttered at this club was "Backbencher". It was my first table topic. Being completely unaware and untrained of how to attempt a table topic, I broke the ice with this place and then my journey began at this beautiful place. My silent journey was full of ups and downs.

This club has a unique way of doing everything. Members of the club are so encouraging and cordial. Here one feels like a home away from home. Due to the unstinting support and constant feedback from people and mentor coming from all walks of life I am able to stand on my feet. I can vouch Toastmaster Club helped me to overcome my uneasiness and transformed, turned me from an introvert to an extrovert up to some extent and made me realise my potential as to who am I and what I can be?

The most interesting session of this club I enjoyed here was the table topic session. It was full of excitement and enchantment. This session gave me much more than what I expected. This is the best place where they, who want to unleash their potential of public speaking, learn how to lead in their lives. Therefore one must attend these sessions once. It will fortify your skills and nurture you as an individual. Commitment is needed in every member of the club as commitment is the foundation of success.

At last in a nutshell if I say, it was a matchless gift for me.

TM Niraj Jain, IV B. Tech., Dept. of IT.

FASHION

FASHION, is an artistic expression of what is inside. We can express our personality through fashion. The word 'fashion' brings to our mind a flash of colour with a dash of glamour. Though fashion enhances beauty and smartness, it also has perils! Fashion may be one of the reasons why people begin to commit sins and break the societal norms. Making a fashion statement is bold and a great way to leave a mark in the community, but present ability is a very fine line between looking good and attention seeking.

People often confuse fashion with style. Style is an expression of individualism mixed with charisma. Fashion is something that comes with much style. A piece of cloth can make us look good but it cannot make us adorable! We need to have content inside and a vision to be impressive. Look at Abraham Lincoln, Mahatma Gandhi, Atal Bihari Vajpayee, Nelson Mandela, they exemplify the same. Glamour is like a shooting star. It catches our eye but fades away. Inner beauty is like the sun, always brilliant day after day!

TM Raina Sood, II B. Tech., Dept. of ECE.

MY JOURNEY THROUGH TOASTMASTERS

Toastmasters to me is not a club, it is a journey, that I am willing to make innumerable times. The club to me is one of the most cherished memory of my college life, that would be etched in my heart.

My journey like everyone else has been a journey from a novice to a guru. The first day when I entered in the club, I was a shy kid with shaking legs, who was afraid of facing people and the world as a whole, but I am leaving with this firm belief that come what may I will face it.

Toastmasters is a club where there is no teacher. People learn from each other and there is just a mentor who keeps us all on the principled track, we form friendships that last for a lifetime because there are no seniors and juniors just toastmasters. Toastmasters Club guided me to see a clear way in the maze of different opinions / views and present my thoughts with confidence. I would just say that the club transformed me from someone who never spoke to the "Table Topics" master who can just speak in the spur of the moment. Toastmasters has given me too many reasons to eulogize it.

In the end I would just say that for me it is the ray of hope that has turned into vivid flame.

TM Shobhit S Pathak, IV B. Tech., Dept. of ECE

TOPAZ (TACTICS TO PURSUE AMBIENT ZEAL)

Coordinator: Prof. M. L. Bhargava,
Mrs. Abha Meel & Ms. Maneesha Kaushik

Orison Swett Marden has remarked, "Success is not measured by what you accomplish but by the opposition you have encountered, and the courage with which you have maintained the struggle against overwhelming odds."

The above quote explains the journey of TOPAZ (the Entrepreneurship Development Cell, SKIT) in the truest sense of the word. This year again, TOPAZ got a golden chance to display its colours and unleash its potential in the Entrepreneurship Week'15 celebrations. E-Week'15 was a National Level Championship to promote the very sense of entrepreneurship and was put up on the theme of "Creating Jobs for Millions". The grand celebrations began on 14 February'15 and culminated on 21 February'15.

The events like Idea Marathon, Be-Gaadi Day, Idea Emporia, Manthan: A Conclave of Women Entrepreneurs, Dekh Bhai Dekh (Nukkad Natak), Dhamachaukadi (Flash Mob) and many more created a buzz in and around the campus. This year for one more time the cell brought a plethora of exciting, exhilarating and enthusiastic events which really satiated all entrepreneurial tastes.

The cell took the initiative of rebranding itself and taking it to



unscaled heights. In the same direction, it launched its theme song "TOPAZ Truly Rocks" and its own merchandise, TOPAZ T-shirts. Also, TOPAZ became the first EDC in the country to launch "Entressence" – an entrepreneurial magazine of its own kind. The cell showcased its prowess by launching a moving banner for the first time in the history of the institute.

TOPAZ also extended out to more than 5 lac people through a series of high voltage events like Dekh Bhai Dekh, Dhamachaukadi, Sanyojan, Green Bag campaign and many more at more than ten locations of Jaipur. TOPAZ proved its might to others by clinching the title of National Winners for the second time in a row. Wadhawani Foundation and National Entrepreneurship Network (NEN) crowned TOPAZ as the National Winner of E-Week'15 for promoting entrepreneurship among people and organising various innovative and exemplifying events.

MEMORANDUM OF UNDERSTANDING SIGNED BY SKIT AND START UP OASIS

With an objective to promote innovations and entrepreneurship on the campus SKIT has signed an MOU with Start Up Oasis, a joint initiative with RIICO. Together we would work towards the development and promotion of entrepreneurship and an entrepreneurial culture in the institution, through business incubation services leading to the emergence of more and more entrepreneurs from the college. We would also exhort students to launch their startups and further provide business incubation and fund raising support to the students to share up entrepreneurship as a career option. Necessary mentoring and acceleration support would also be provided for helping the interested students to start and make their business plans ready for funding. Students of the institution would get preferential access to the various events and programs organised by Start up Oasis at the Startup Oasis Incubation Centre, which would expose the students to the entrepreneurial startup ecosystem and prepare them for entrepreneurship. Ms. Rachna Meel, Registrar, Prof. M. L. Bhargava, Adviser, Mr. Chintan Bakshi, CEO Start up Oasis and Ms. Maneesha Kaushik, Head, Entrepreneurship Development Cell were present on the occasion.

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 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.

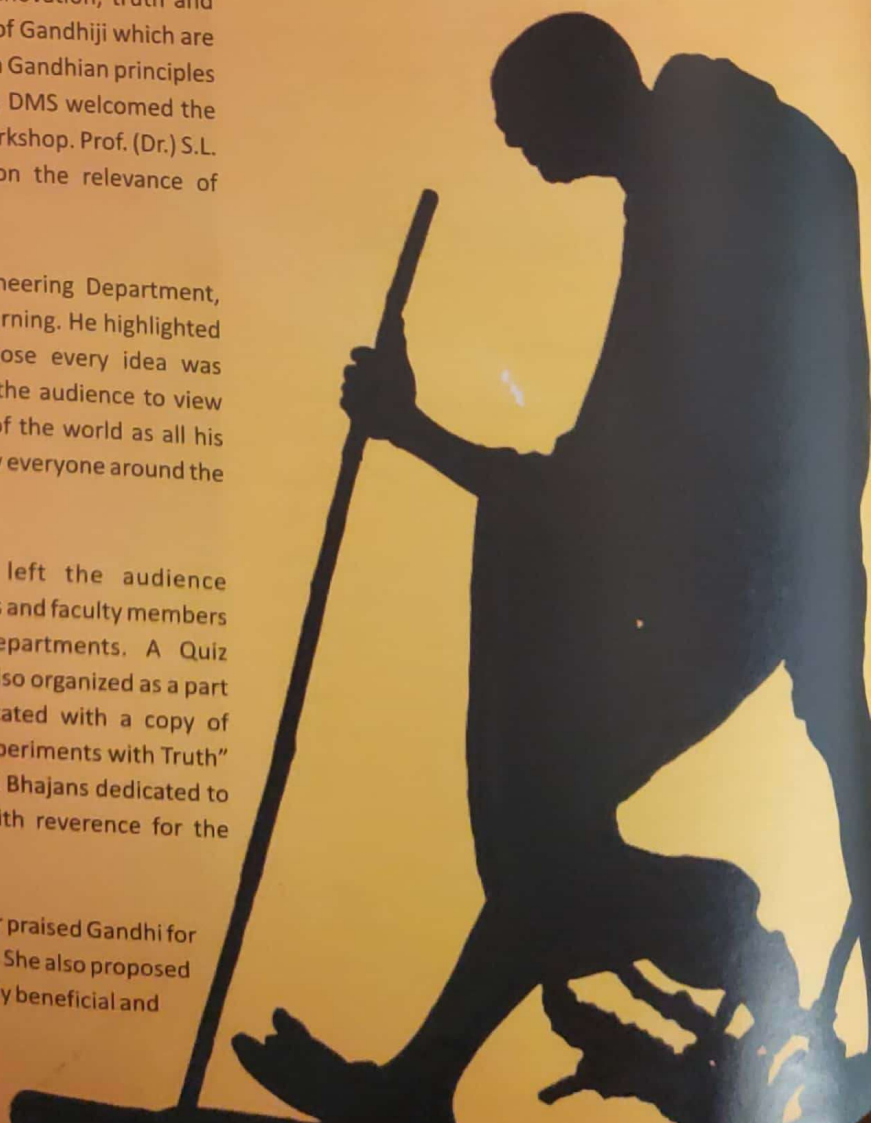
A documentary on Mahatma Gandhi left the audience spellbound. The workshop witnessed students and faculty members participating enthusiastically from all departments. A Quiz Competition on Mahatma Gandhi's life was also organized as a part of the workshop. The winners were felicitated with a copy of 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.

NEN FACULTY LEADERS NETWORKING MEET 2014

TOPAZ (entrepreneurship development cell, SKIT) organised Faculty Leaders Networking Meet 2014 on 20 August, in association with National Entrepreneurship Network (NEN). The networking meet was organised in order to help various e-cells to promote entrepreneurship on campuses. It was attended by fifteen faculty members from more than eight colleges. They appreciated the initiative and agreed it would prove to be beneficial in creating supporting entrepreneurs on their respective campuses. Prof. S. Surana, Director (Academics), SKIT, Prof. M.L. Bhargava, Adm. SKIT and Ms. Maneesha Kaushik, Faculty Head, TOPAZ attended the meeting and contributed their valuable suggestions as to how entrepreneurship can be given wings.

The various sessions of the networking meet were very useful and thought provoking. It also gave an opportunity to faculty leaders to share their experiences with each other and they promised to extend their cooperation and help. Ms. Preeti Singh, National NEN also asked the faculty leaders to create an ecosystem for converting ideas into successful ventures. The NEN Faculty Leaders Networking Meet 2014 generated conducive and constructive environment for promoting entrepreneurship and was a great success.





SAVE THE TIGER CAMPAIGN

SKIT and TOPAZ organized a CSR activity to promote the "SAVE THE TIGER" campaign using unique technology. A signature campaign was also organized where more than 200 students participated and were sensitized to the cause. The students interacted with the star cast of the movie 'Roar: Tigers of the Sundarbans'. The event was a huge success and was coordinated by Dr. Savita Choudhary, Dr. Amber Shivastava and Ms. Maneesha Kaushik, Faculty Head, EDC, SKIT. ROAR: Tigers of the Sundarbans is an adventures film set in the Sundarbans, which is India's largest mangrove forest with 400 tigers. It has been directed by Mr. Kamal Sadanah. An international team involved in its making, boasts of heavy VFX. It has been shot in the same studio where films like 'Resident Evil' and 'Life of Pi' were made.

E-MOMENTUM 2014

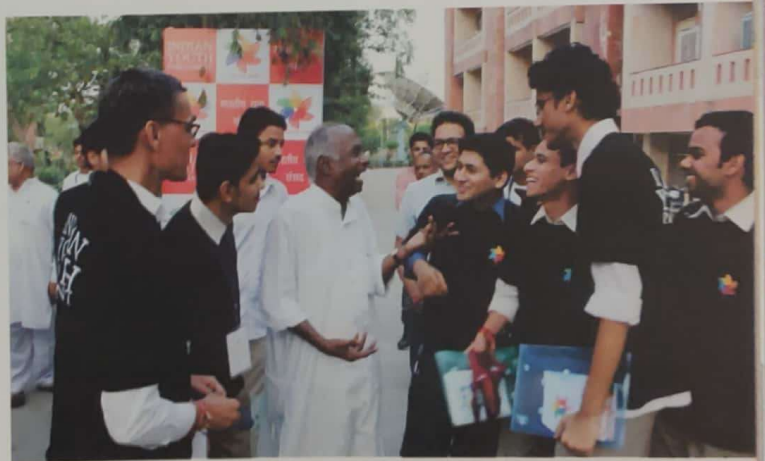
*It's time again to spark a moment,
It's time again to frame a goal,
It's time again to make a difference,
It's time again to lift a soul...*

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" expressed the notion 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 audience about TOPAZ and its mission to pursue excellence with all its endeavours. 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 upon the fact that there have been many entrepreneurs who have accentuated India to a coveted height and now it is the right time to

explore new avenues of excellence. He also stated that RIICO would extend help to the students in their start-up 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 proved to be thought provoking for the students. Mr. Bakshi unveiled the Memorandum of Understanding (MoU) signed between SKIT and Start-Up Oasis. He shared how students can 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 bagged a huge appreciation.

The E-Leaders also screened TOPAZ After-movie which narrated the achievements of team TOPAZ for the session 2013-2014. "Entrebus" also 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.

THE SKIT CHHATRA SANSAD



Coordinators: Dr. Anurag Sharma, Dr. Braj Raj Sharma

The SKIT Chhatra Sansad was an initiative taken last year with an aim to foster the sentiments of social service and patriotism towards the nation. The SKIT "Chhatra Sansad" (SKIT Student Parliament) envisages that motivated, committed and nonpolitical youth will emerge to provide a positive and effective leadership to their country and actually practice morality for the betterment of the country and the society. The mission of "Chhatra Sansad" is to mobilize the student to come together on a single platform to enter public life and bringing out a positive change in it. This is done by regularly convening its session and enacting in various other debates, Plays, Nukkad Natak etc. Since its inception it has lived up to its expectations creating awareness amongst students on issues like Women

Empowerment, Voter awareness, child labour etc. This year the club organized the following activities:

- The members of SKIT Chhatra Sansad attended session of "Youth Assembly" which was organized on 3 April, 2015 at Panchayati Raj Sansthan, JLN Marg, Jaipur. In this assembly many famous thinkers, politicians and social activists participated. Members of SKIT Chhatra Sansad Club interacted with famous thinker Shree K. N. Govidacharya ji. Priyansh Upadhyay of second year electrical branch asked many questions to Shree K.N. Govidacharya.
- Mr. Govidacharya extended a special note to Prateek Tiwari of first year and discussed many topics related to the role of youth for society. Himanshu Singh of third year electronics branch interacted with Mr. Govind Singh Dotasara (Vice president of Pradesh Congress Committee and Mukhya Sachetaj Rajasthan Vidhansabha) and Opposition leader of Rajasthan Vidhansabha Rameshwar Lal Dudi on corruption. Nobel laureate Kailash Satyarthi also interacted with Priyansh Upadhyay of second year electrical branch and Dushyant Acharya of First year on the issue of child labour by teleconferencing. Satyarthi Ji appreciated questions raised by SKIT students during the youth assembly. Club Coordinator Dr. Anurag Sharma played a pivotal role in arranging these meetings.
- The students of SKIT Chhatra Sansad showcased their talent in various inter college events. On the occasion of 'Hindi Fortnight' our students staged a play at MNIT, Jaipur to reinvigorate the use of Hindi. The play was appreciated and awarded.
- The club undertook community service on 24 September 2014. In the activity, stationery was distributed among the poor students of Government school, Jagatpura.
- SKIT Chhatra Sansad members performed a motivational play for engineers during "ABHIVAADAN" in SKIT. By this play they tried to portray the life of an engineer.
- The club believes that all children should have the opportunity to receive an education, regardless of their financial situation. In the series of donation, club members came forward for helping the poor students by stationery distribution programme for poor students in government school, Jagatpura. The principal of the school appreciated this noble concern of the members.
- The club organized AICTE supported discussion programme on Shikshit Bharat, Sakasham Bharat. This discussion programme was conducted in three rounds. In the final discussion Prateek Tiwari from first year emerged victorious.
- Club members also distributed clothes and food to victims of leprosy in Mahatma Gandhi leprosy Home, Agra Road on 12 Nov. 2014.

ROBOTICS CLUB

Coordinator : Mr. Ved Parkash

The SKIT Robotics Club was started by a cluster of students on August 2012. It is an undergraduate organization that creates, innovates and provides practical knowledge to the students about robots. The Club offers indispensable guidance, workshops, tutorials along with tools, equipment, components to enhance practical knowledge amongst students. This year the club activity started on 13 August 2015. Basic electronics, sensors and actuators were introduced in the first session of the club activity. Thereafter hands-on sessions were organized. During the year club members worked on an advanced platform (AVR microcontroller) and developed 14 robots and projects. The list of projects and robots is as follows.

1. Line following bot based on 2, 3, 5 Sensors.
 2. Maze solving bot.
 3. Fall avoidance bot.
 4. Stair-climbing bot.
 5. Digital sand fall clock.
 6. LCD games.
 7. Distance measuring device using IR sensor.
 8. Robo Soccer bot.
 9. Pick and place robot.
 10. Mopping bot.
 11. Glider.
 12. Bluetooth controlled home automation.
 13. Voice controlled home automation.
 14. Gesture controlled bot.
- Club members also participated in technical fests organized at different colleges and won numerous prizes.
 - > TechFest: IIT-B
 - Mechatronics.
 - Vortex.
 - Code blitz.
 - > Corona: Anand International College of Engineering, Jaipur
 - Line-follower.
 - Junkyard Wars.
 - > Plinth: LNMIIT, Jaipur
 - Line-Follower.
 - Roborace.
 - > Renaissance: JECRC, Jaipur
 - Junk-e Jugad.
 - Robowars.
 - Robofloor.
 - Besides this, the Robotics club organized a workshop on 'Pick and place robot' and 'Smart line follower robot'. The Pick and Place Robot workshop was held for Mechatronics competition and 36 students participated in it. During this workshop students made manually control pick and place robots. In



Smart line follower robot workshop, 23 students participated and designed autonomous line following robots.

TechnoCalypse, IIT-B Techfest (IIT-B) North zonal competition was organized in SKIT on 28 September, 2014. The Zonal competition comprised three events, viz. Mechatron, Vortex and Codeblitz.

Mechatron: It was a pick and place robot competition in which robots had to make a bridge to cross a bay and reach the other side using cubical boxes. 71 teams from north and central India including SKIT (200 participants) took part in it.

Vortex: It was a smart line follower competition. 63 teams from north and central India, including SKIT (189 participants), participated.

Code blitz: It was a java programming competition. 87 teams from north and central India, including our college (251 participants), participated.

The club successfully organized RoboKon in Pravah 2015 which consisted of 9 events. The details are as follows:

- > Robo-wars: robots had to kill each other to win. Total number of participants was 21.
- > Robo-race: Robots were supposed to complete a given track in minimum time. 68 students participated in it.
- > Mechatron: It was a pick and place robot competition in which robots had to make a bridge to cross a bay and reach the other side using cubical boxes. Total number of participants was 14 students from different colleges.
- > Vortex: It was a smart line follower competition. Total number of participants was 27.
- > Junk-yard wars: Participants were expected to make a model on the spot, using junk provided by the organizers.
- > Pin ball: It was a fun event in which participant had to prevent a ball from falling from the track.
- > Pirate wars

> X-copter

Ping pong: It was a robo-soccer.

THE SKIT NSS UNIT



Coordinator: Dr. Lalit Gehlot

The NSS unit of students has aroused an awareness of the realities of life and a better understanding and appreciation of the problems of people among the students. It is thus a concrete attempt in making the campus relevant to the needs of the community. The club organized the following activities during the year:

- It organized a debating competition on maintaining cleanliness under 'Swachha Bharat Abhiyan' on 1 Oct. 2014. Ms. Shivani Bijarnia, B.Tech I Yr. Section C stood winner in the competition. The second and third positions were secured respectively by Sulekha Jagarwan, B.Tech. I Yr., Section C and Vipul Vyas, B.Tech. I Yr., Section G.
- It organized a poster designing competition under 'Swachha Bharat Abhiyan' on 1 Oct. 2014. Sonali Sinha B.Tech. I Yr., Section Q and Prerna Gupta B.Tech. I Yr. bagged the first prize. Dev Raj, B.Tech. I Yr. Section E came second in the competition and Jitendra Budiya B.Tech. I Yr. Section C secured the third rank.
- The student volunteers of NSS unit also cleaned weeds near the sidewalks under Swachha Bharat Abhiyan' on 1 Oct. 2014.

- National Unity Day was celebrated by the club in an ambience charged 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 of his photographs was also held in the library. A competition was also held 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. Prakhar Khanna, I year, Mechanical
5. Paramjeet Singh, I year, Electrical

- The club 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.
- The club also undertook a tree plantation programme with Dainik Bhaskar and Eco Friends Club on 20 August 2014. The dignitaries including Prof. S. L. Surana (Director, Academics) and Prof. S. K. Calla (Director, D&W) also planted trees on the occasion.

ASME

Coordinator: Mr. Manoj K. Sain

The ASME Student Section, SKIT, Jaipur was established in December 2009 to provide the Mechanical Engineering students with the opportunity to enhance their knowledge of the technical world, showcase their talent and network with professionals and other student members from all over the world. This club has about 200 student members at present.

Student members participate in ASME SPDC and ASME HPVC every year and have won several prizes while competing against students from IITs and NITs. The section also organizes various events.

• SEMINAR ON ANSYS

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

• ASME-HPVC 205

Eight students of mechanical engineering participated in ASME



Human Powered Vehicle Challenge (HPVC) 2015 held at DTU from January 16 to January 18, 2015. Teams from 55 ASME Sections of various engineering colleges, including IITs and NITs, participated in this. ASME Student Section SKIT was the only participant from Rajasthan. The team displayed with unique design converted bicycle which can be transformed into two modes of driving, recumbent and upright modes. The team members: Anuj Rathore, Kumar Yadav, Amit Bhardwaj, Amit Mittal, Ankit Singhal, Prakash Sain, Lakshay Sharma & Rajvaibhav Gupta.

ACHIEVEMENTS:

I. Novelty awards for unique design II. Rank 10

• ASME SPDC 2015

ASME Student Professional Development Conference (SPDC) 2015 was held from March 13 to March 15, 2015 at B.H. Gardi College of Engineering and Technology, Rajkot. A team of four students participated in the ASME SPDC Student Design Competition. The team designed a Stair Climbing ATV which was the only design completed successfully among the teams from various reputed engineering institutions from India and abroad, including IITs and NITs. The team members Ankit Jangid, Ankit Dubey, Jatin Vijay, Anurag Kumar.

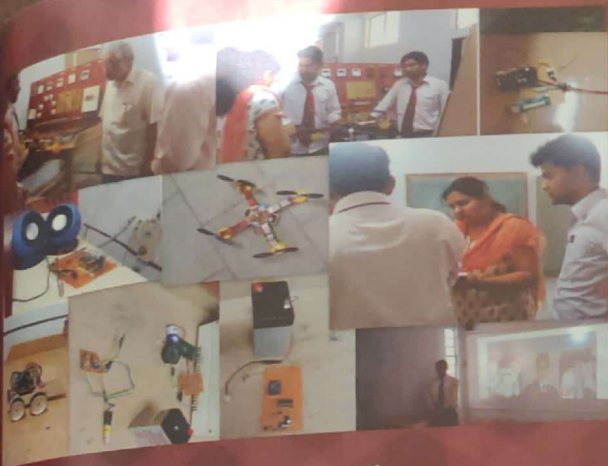
ELECTRICAL TECHNICAL CLUB

Coordinator: Ms. Smriti Jain

The club aims to develop expertise in areas of power systems, power electronics and electrical machines and related fields inclusive of their contribution to the society and nation by developing innovative practices and conducting research in major areas of Electrical engineering. The club has organized several activities throughout the year:

- The (ETC) Electrical Technical Club (under IE Students' Chapter) organized an Objective Test based on Physics, Chemistry, Mathematics, Circuit Analysis, Electrical Machine, Reasoning and Aptitude on 06 August 2014. 40 students participated in the competition. The top three students were

- i. Ajay Yadav, III Sem, EE-II Shift
- ii. Ronak Jain, III Sem, EE-II Shift



iii. Sawan Kumar Agrawal, III Sem, EE-II Shift

- The Electrical Technical club (IE Students' Chapter) organized an objective test as the qualifying exam for selecting student participants for Quiz which was conducted on Wednesday, 20 Aug. 2014. 7 teams were formed from 14 students. The event was attended by faculty members as well as students.
- The club organized a workshop on Power point presentation. The objective was to equip the students with the basic skills needed for it.

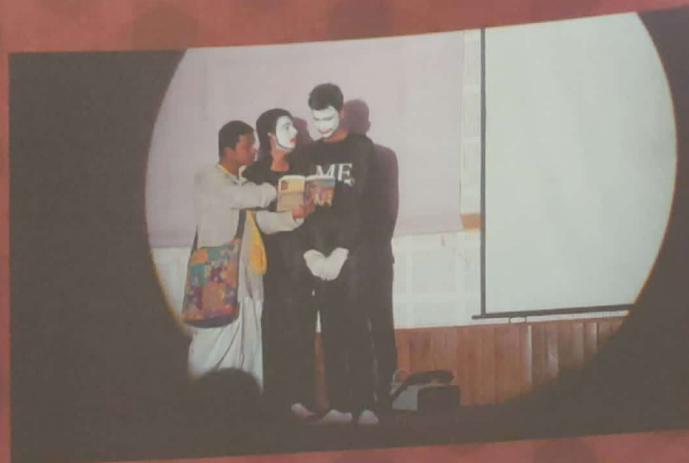
ISTE STUDENT FORUM



Coordinators : Mr. Ankit Agarwal & Ms. Rukhsar Zafar

An image processing club was introduced under the forum on 06 August 2014 in which students are enlightened with the basics of image processing and its practical applications. Students participated with huge enthusiasm. A total of 32 students (IV & VI semester ECE) have joined this club. It runs on every Wednesday for 2 hrs. List of events organized are as follows (in the session 2014-15):

- The club organized a lecture on image processing and its real time application. It was delivered by Shubham Jain, VIII semester, B. Tech on 21 Jan. 2015.
- The club conducted a quiz competition on 24 September 2014. A quiz completion on Image processing was also taken up on 15 October 2014.



SPIRITUAL CLUB

Coordinator: Dr. Pramila Kumawat

The SKIT spiritual club is one of the most praised clubs on the campus. This year it completed its fifth year in the college. Organized on Wednesdays, since the very beginning it has been making a lot of efforts in developing moral values and shaping up the character of students through its various programmes, interesting seminars & other activities. The seminars presided by Shri Dharmesh Sharma (B.Tech IIT Kanpur), President, BIG Gyan and Hare Krishna Centre, Sitapura, are attended by many students of the college who always appreciate its programmes. In order to inculcate ethical values among the future leaders of the society, problem-centric sessions are being organized and students are being counselled on their various personal problems along with some general issues.

Several students of various branches and different batches have seen major positive changes in their lives after attending these sessions and have found increase in their selfconfidence and performance levels in different fields. The Sankirtan teaches the students how to de-stress themselves, and thus creates a light and happy mood among students who are then able to learn the teachings of the Bhagwad Gita more easily.

ISTE STUDENT CHAPTER

Coordinator : Mr. Praveen Kr. Jain, Mr. Pallav Rawal

The club aims to enable the student community to actively participate in ISTE activities and provides a common platform for students to exhibit their talent in technical pursuits. The following activities were organized during the year:

- The club conducted MATLAB course: hands on workshop on every Wednesday . Mr. Rajiv Kumar, Senior Lecturer, Dept. of Physics, conducted this workshop . 20 students were certified for the same.
- A series of lecture on Electronics Devices and Circuits (EDC) was organized by the club. Mr. Prashant Vashisht, Lecturer-ECE and Mr. Praveen Jain, Reader-ECE conducted the lectures .

- An awareness lecture on Future scope after B.Tech. was delivered by Mr. Lalit Lata on 20 Aug. 2014
- The club organized a lecture on Number system (Aptitude and Reasoning) by Mr. Mukesh Arora.
- The club undertook one day seminar on Advanced Car Parking Management System. The seminar was addressed by Ms. Himanshi Sharma.
- Ms. Charul Solanki, VII, EC delivered a lecture on Airport Traffic Management Systems at AAI-Jaipur on 5 August 2014.
- The club also conducted a quiz competition on 3 Sept. 2014.

NIRMAAN CLUB

Coordinators: Ms. Pooja Jain and Mr. Amit Kumar

Civil Engineering Department is running a club named "Nirmaan" which involves academics as well as extracurricular activities. Students participate in different activities such as discussion on the various latest technologies in the field of civil engineering, issues of social aspects etc.

- During this academic year the club strived to make the students familiar with latest technologies in the field of construction, certain aspects of the skyscrapers and motivated them for innovative ideas.
- Active members of the club were assigned one topic of their choice related to the civil engineering and were asked to discuss the features of the building and thresholds faced in the construction of that particular building. The students made posters of their final year projects, some chose to detail out about famous Indian corporate office buildings and displayed them in the E week.
- The club conducted a detailed discussion about the metro rail project. It also included the requirements of the MRTS system, its feasibility etc.
- The Club also organized a quiz competition for the students as a part of Wednesday activities. It was organized in two phases; the first round was held on 27 August 2014 and the final round on 3 September 2014. 32 teams participated in it. The winning teams were FREAKS, FIREFOX and VIBRANTS. Four students from each team were awarded certificates by Prof.(Dr). S.L.Surana (Director, Academics), Dr. Vinita Sharma (Chief Coordinator, Extra Curricular Activities) and Mrs. Pooja Jain (Sr. Lecturer, Dept. of Civil Engineering). Md. Junaid Khan, Shivani Saini, Nikita Panwar, Shivam Shrotriya, Prateek Mishra coordinated the competition.

THE ECO FRIENDS CLUB



Coordinators: Prof. Archana Saxena, Dr. Swati Joshi, Dr. Pooja Ojha, Dr. Meena, Ms. Mahima Kapoor

Being concerned about the environment is not only important for aesthetic and economical values but also for the sustainable development of our future generations. Hence the club follows the principle of "CCC", i.e. CONCERN, CONSERVE & COMMIT. It works with the vision of protecting the environment and curbing the menace that has plagued our society and also carries out multifarious in-house as well as field activities. It also wishes to train young minds to be economical in the utilization of resources and practice conversational methods.

- The club carried out a tree plantation activity on 7 August 2014 in association with NSS Club, SKIT & Dainik Bhasker in SKIT campus. The dignitaries including Prof. S. L. Surana and Prof. S. Calla also planted trees on the occasion.
- The club organized an essay writing competition on 12 August 2014 on "Global Warming: we have a solution; stop pollution". Several students participated in the competition.
- The club organized a competition on 27 August 2014 in which students were asked to create things of beauty from waste. The activity was a huge success.
- The club conducted a bilingual poetry competition on environment. Students recited their compositions and were awarded for their performance.
- The club organized a poster exhibition on 1 Oct. 2014 on the theme "Clean Bharat Green Bharat". The students' participation was overwhelming in this competition.

SCIENCE AND TECHNOLOGY CLUB

Coordinator: Dr. Sharda Soni, Dr. Sangeeta Gupta

Science and Technology Club was established with the objectives of making the students more sensitive to general science and current issues and to boost their morale and self confidence. The club provides a platform for the students to acquire a holistic learning experience through paper presentations, working/ non working models, extempore speech making, science quiz competitions etc. The unflagging support of students and faculty coordinators has enabled the club to organize various lectures on activity day. Wednesday has helped in its unprecedented growth. The Club organized various activities during the year.

- The club organized Quiz _viz during Wednesday activity period for 1 year students, so as to provide the students a platform where they could improve their academic skills by participating in the competition. The event saw enthusiastic participation of the students.
- The club conducted quiz competition in which several students participated. The winners were awarded certificates.
- The club undertook an activity called Brain Teasers in which the students were supposed to solve certain riddles. The best ones were awarded with certificates.
- The club conducted sessions on mathematical problems called Math-o Mania. It also gave an opportunity to all the participants to come prepared with a PPT Presentation on the topic of their choice.

DOCU DRAMA CLUB

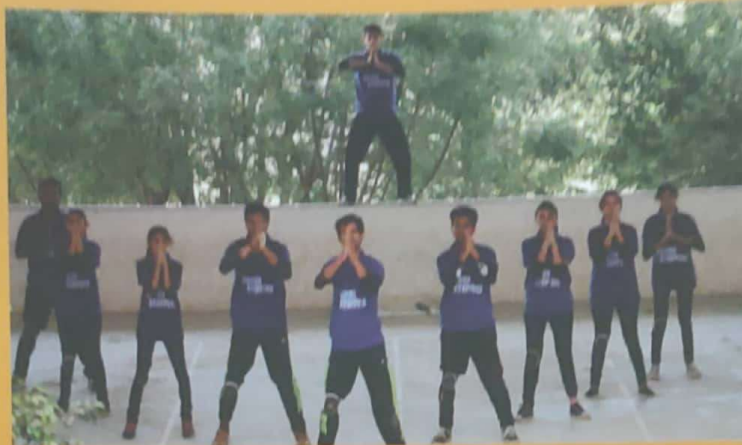
Coordinator: Dr. Neha Purohit

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.

KALANIDHI CLUB



Coordinators: Ms. Chitra Manro, Dr. Shalini Shekhawat, Ms. Sheeba Anjum

Dance and Music are the most joyous embellishment of a creative soul. Dancing to the enchanting spell of music unleashes a perfect union of expression & joy. SKIT's Kalanidhi Club provides a platform to this expression where students are trained in instrumental and vocal music, as well as tap their feet to the tunes of various styles of dancing. The club organizes various training session round the year under the able guidance of experienced music and dance trainers. The clubs also organizes a host of intra & inter collegiate competitions.

The following competitions were organized during the session 2014-2015:

1. Student Antakshari (24 sept, 2014)
2. Intra collegiate group dance competition (15 oct, 2014)
3. SKIT Idol – Solo singing competition (4 feb, 2015)

RENEWABLE ENERGY CLUB

Coordinators: Mrs. Sarita Chaudhary and Ms. Namita Soni

The club organizes seminars, workshops, lectures, quiz competition, slogan competitions, on renewable energy. It also conducts field visits of the students to nearby NRSE (New and Renewable Sources of Energy) installation, project sites for live demonstration.

THE IMPORTANCE OF BIODIVERSITY

Environmentalists might define biodiversity as the total of all plant and animal life of the planet, and the planet itself – the air, water and land that supports animal and plant life. This diversity of living creatures forms a support system which has been used by each civilization for its growth and development. The rich biodiversity has been instrumental in providing humanity with food security, health care and industrial goods that has led to high standard of living in the modern world. The diversity of life on earth is so rich that if we use it sustainably, we can go on developing new products for generations. For this reason, we must realize the importance of biodiversity as an important resource.

Biodiversity reflects the number, variety and variability of living organisms. It includes diversity within species, between species, and among ecosystems. The concept also covers how this diversity changes from one location to another and over time. Indicators such as the number of species in a given area can help in monitoring certain aspects of biodiversity.

Biodiversity is everywhere, both on land and in water. It includes all organisms, from microscopic bacteria to more complex plants and animals.

It can be observed at three levels –

- The genetic diversity: The genetic variability within species
- The species diversity: The species variability within community
- The ecosystem diversity: The organization of species in an area into distinctive plant and animal communities.

In biodiversity, each species, no matter how big or small, has an important role to play in ecosystem. Various plants and animal species depend on each other for what each offers and these diverse species ensure natural sustainability for all life forms. A healthy and solid biodiversity can recover itself from variety of disasters.

The maintenance of biodiversity on earth is important for the following reasons:

1. ECOLOGICAL STABILITY

Each species performs a particular function within an ecosystem. They can capture and store energy, produce organic material, decompose organic material, help to cycle water and nutrients throughout the ecosystem, control erosion or pests, fix atmospheric gases, or help regulate climate.

Ecosystems provide support of production and services without which humans can not survive. These include soil fertility, pollinators of plants, predators, decomposition of wastes, purification of the air



and water, stabilisation and moderation of the climate, decreased flooding, drought and other environmental disasters.

Research shows that the more diverse an ecosystem the better it can withstand environmental stress and the more productive it is. The loss of species thus decreases the ability of the system to maintain itself or to recover in case of damage. There are very complex mechanisms underlying these ecological effects.

2. ECONOMIC BENEFITS TO HUMANS

For all humans, biodiversity is first a resource for daily life.

Some of the important economic commodities that biodiversity supplies to humankind are:

- **FOOD:** crops, livestock, forestry, and fish
- **MEDICATION:** Most medical discoveries to cure diseases and lengthen life spans were made because of research into plant and animal biology and genetics. Wild plant species have been used for medicinal purposes before the beginning of recorded history. For example, quinine (Used to treat malaria) comes from the bark of the Amazonian tree Cinchona tree; digitalis from the Foxglove plant (chronic heart trouble), and morphine from the Poppy plant (pain relief). According the National Cancer Institute of the USA, over 70% of the promising anti-cancer drugs come from plants in the tropical rainforests. Animal may also play a role, in particular, in research. It is estimated that of the 250,000 known plant species, only 5,000 have been researched for possible medical applications.
- **INDUSTRY:** Biodiversity may be a source of energy (such as biomass). Other industrial products are oils, lubricants, perfumes, fragrances, dyes, paper, waxes, rubber, latexes, resins, poisons and

work can all be derived from various plant species. Supplies from animal origin are wool, silk, fur, leather, lubricants, waxes. Animals can also be used as a mode of transportation.

TOURISM & RECREATION: biodiversity is a source of economical wealth for many areas, such as many parks and forests, where wild nature and animals are a source of beauty and joy for many people. Ecotourism in particular, is a growing outdoor recreational activity.

ETHICAL REASONS

The role of biodiversity is to be a mirror of our relationships with the other living species, an ethical view with rights, duties, and education. If humans consider species have a right to exist, they cannot cause their extinction. Besides, biodiversity is also part of many cultures spiritual heritage.

REASONS FOR LOSS OF BIODIVERSITY

Human activities are responsible for most of the loss in biodiversity throughout the world. With an increasing population, we are consuming more and more natural resources. We do this by driving more, using more energy in our homes, and buying many more products than we need.

Biodiversity is important since it provides us with raw materials that we use to make products such as clothes, shoes and paper. And although we use many natural products and materials in our daily lives, we also use many human-made chemicals-cleaners, fertilizers, bug spray, pesticides, and many others. Even though we use them to help us, they have many side effects. Toxins and pollution are very harmful to biodiversity. The chemicals that we use end up in our waterways. Plants and animals are killed by oil spills. Wildlife gets caught in plastic trash.

The earth's biodiversity is in grave danger. In the present era, human beings are the most dangerous cause of destruction of the earth's biodiversity.

Habitat destruction is a major cause for biodiversity loss. Habitat loss is caused by deforestation, overpopulation, pollution and global warming. Species which are physically large and those living in forests or oceans are more affected by habitat reduction.

Some experts estimate that around 30% of all species on earth will be extinct by 2050. According to the International Union for Conservation of Nature (IUCN), globally about one third of all known species are threatened with extinction. Even it is estimated that 25% of all mammals will be extinct within 20 years.

Species can also be threatened by genetic pollution- uncontrolled hybridization and gene swamping. For instance, abundant species can interbreed with rare species thus causing swamping of the gene pool. Over exploitation is caused by activities such as over fishing, over hunting, excessive logging and illegal trade of wildlife. Over 25% of global fisheries are being overfished at unsustainable levels. Global warming is also becoming a major cause for loss of biodiversity. For example if the present rate of global warming



continues, coral reefs which are biodiversity hotspots will disappear in 20-40 years. 10% of all species might become extinct by 2015, if global warming continues.

Thus we can see that biodiversity which is crucial for the well being of life on earth, is coming under the threat of many factors related to human activities. There is an urgent need to take action to protect the magnificent biodiversity of our planet. We must create economic policies in order to maintain the Earth's biodiversity and take appropriate measures to protect habitats and species.

Conservation

Conservation is the protection, preservation, management, or restoration of wildlife and natural resources such as forests and water. Through the conservation of biodiversity the survival of many species and habitats which are threatened due to human activities can be ensured. Other reasons for conserving biodiversity include securing valuable natural resources for future generations and protecting the well being of eco-system functions.




Dr. Vinita Sharma

Reader, Dept. of Chemistry

“Intelligence plus character-that is the goal of true education”

Martin Luther King Jr.



HUMAN CLONING

right or wrong?

ETHICAL ISSUES OF CLONING

The rapid advancements in science and technology over the last couple of decades are significant enough to exhibit that mankind is exploring newer frontiers and challenging long-held beliefs and notions. One such field is cloning. The term cloning describes a number of different processes that can be used to produce genetically identical copies of a biological entity. The copied material, which has the same genetic makeup as the original, is referred to as a clone.

Cloning involves the process of nuclear transplantation. During this process, the nucleus of a fertilized organism's egg is replaced by a nucleus of an organism's cell. If the procedure is successful, the fertilized egg will grow into an identical copy of that organism. Unlike natural reproduction, wherein the egg contains a combination of genetic material, this egg which grows into an embryo contains only the donor's gene.

Theoretically, this might seem fairly straightforward. However, in human cloning, the process is more complicated due to the complex nature of human DNA.

Ever since the advent of cloning, there have been arguments for and against this process.

Yes, cloning does have its share of advantages. Not only does cloning help homosexual and sterile couples to have biological offspring, but also helps in in-depth research, for example in the case of motor neuron disease, embryonic stem cells can be cloned to produce tissues or organs to replace or repair the damaged ones. Human cloning could allow parents who have lost a child a chance to redress their loss using the DNA of their deceased child.

On the flip side though, cloning presents us with certain issues like the kind of life a cloned individual will lead. Would he live like a unique individual or would he have to live like a genetic prisoner? Should parents choose the traits of a future child as is possible with cloning? These and other such issues present an ethical and moral dilemma for scientists and experts alike who see cloning as a potential danger to human identity. Here are some of the major ethical issues of cloning.

RELIGIOUS BELIEFS AND CONTROL

Cloning goes against the basic belief of certain religions that God has created life and its various forms in nature. Various religious groups have rejected it saying that cloning is equivalent to 'playing God'. Humans cannot act as God. Even when genetically identical twins are born, their embryo splits spontaneously or randomly to give a new unique genetic combination. Cloning involves a controlled split of the embryo to produce a tailor-made genetic makeup. Ethically, it is wrong for any human to have control over the genetic makeup of any other individual. More so, the cloned individual would be generated for specific purposes. This is wrong wherein the purpose of an individual's life should be more than just satisfying someone else's needs. Some claim that cloned humans may be born without souls. They speculate that the soul enters the body when a sperm fertilizes an ovum. Since there is no sperm involved in cloning, perhaps the fetus would develop without a soul. There is no way to know whether a soul is present; it has no weight, it cannot be seen, touched, smelled, heard, or detected in any other way. In fact, many people believe that souls do not exist. Speculation on this topic can never be resolved.

RELATIONSHIPS AND INDIVIDUALITY

Cloning creates a new human, yet strips him off his individuality. A man, along with his clone can never be dignified as a single individual. The uniqueness attributed to humans from God might be at stake. The replication of an individual is a major blow to his most distinctive feature - his identity. Another fact is that we are unsure how the cloned individual might react and behave with regard to his family and parents. Furthermore, if the cloned individual is cloned from his grandparents and not his parents, would he/she be considered a sibling? How would he/she react? How would the parents and family regard the cloned individual? When we are unsure about the implications or consequences of such situations, it is ethically wrong to subject any individual to such tests as fellow human beings.

FAILURE RATE

Physicians and doctors have a moral obligation to ensure and translate the safety of any medical procedure to his/her patients. At present, of now, no one can guarantee that the child born due to cloning would be a healthy one. The high failure rate in cloning mammals and other species is completely unacceptable when it comes to cloning humans.

ALTERING GENE POOL

If cloning becomes widespread, the genetic diversity of humans will go down. This would result in the decrease in immunity of humans against diseases, thus making humans susceptible to epidemics and unknown diseases. Along with reducing generic diversity, there are risks of transmitting degenerative diseases from the donor human to the clone. Trans-genetic manipulation, where genetic material from one species is artificially inserted into another species, applied to humans, would lead to transfer of diseases from other species. Thus, large-scale cloning might prove to be a serious blow to the entire human race in future.

ILLEGAL CLONING AND CLONES

Cloning could have legal implications as well. A cloned child having multiple donors might complicate parental right issues as well as inheritance and marital eligibility issues. There is a possibility of clones being developed without the concerned individual's consent. This will definitely create legal issues not to mention violation of medical as well as moral ethics. Further, clones would be produced with a specific need and purpose in mind and such cloned individuals would be traded or sold, amounting to human trafficking which is illegal.

In view of the highly debatable aspects about cloning, many countries have banned cloning and many countries allow only therapeutic cloning, a system in which the stem cells are extracted from the pre-embryo, with the intention of generating a whole

organ or tissue, so that it can be transplanted back into the person who gave the DNA.

Since human cloning raises some serious concerns, it would be highly irresponsible to pursue this method, without giving it a serious thought. New issues are bound to crop up with advances in this field, and only time can decide its fate. Until the benefits are discussed by society to outweigh the harm, it would be inappropriate to participate in cloning of humans.



Dr. Sangeeta Gupta

Reader, Dept. of Mathematics

REBRANDING VS. REPOSITIONING

As companies grow, product lines expand and market conditions change, business owners often find themselves with a company brand image that no longer reflects who they are or what they do. Perhaps they start in a niche market, or with a very specific product, and build their entire company identity around it and the business now serves a different, bigger or more diverse customer base.

A sure symptom of this brand misalignment is the constant need to explain or clarify what the company really does. When an owner pines, "We're more than just fill in the service or product category". At this point, a new brand strategy is obviously in order, but it begs the question "Do I need to reposition my company or completely rebrand it?"

REPOSITION IF THE COMPANY NAME IS RIGHT BUT THE MESSAGE AND/OR IMAGE IS WRONG

Repositioning a company makes sense when the company brand name is well established and not in any way misleading. In other words, it's not so much an issue with the identity as it is with the image and reputation. Apple expanded beyond its original core product line of computers, but that didn't require a change in their name. They simply dropped the word "Computers" and shifted the message to "Think Different." They no longer position their brand as a "computer company" but more as a cool digital lifestyle provider.

Dale Jarrett Racing Adventure felt restricted by their brand image as strictly a racing school. It affected their approach to advertising, marketing and product development. After carefully determining their core value proposition, they re-emerged with the tag line "Full Throttle Living!" The emphasis shifted from the cars to the actual experience. And that experience has since been expanded to include World War II re-enactments and real firefighting drills. They now position themselves as a lifetime adventure company that simulates a day in the life of an adrenaline-charged professional. That's a big departure from a racing school, and that's the power of



repositioning.

Old Spice has made a concerted effort to reposition its brand from a stodgy aftershave product line to a cool, contemporary array of "fragrant man goods." Thanks to its viral video marketing, a whole new audience has embraced this once, old-school cologne.

Rebrand if your company name causes confusion

Rebranding comes into play when the original company identity has grown outdated, confusing or outright misleading. The owners and staff can all agree on the brand's current position and message, but the customer can't get past the name itself. CompUSA struggles to brand itself as more than just computers. Radio Shack remains mentally tethered to an old technology and a dilapidated building. Burlington Coat Factory sells more than just coats. At some point, the cost of clarifying a brand becomes such a drag co-efficient that it makes more sense to start with a clean slate.

Would 3M be recognized as a global leader in innovation if it had remained The Minnesota Mining & Manufacturing Company? Popular consumer electronics company LG rebranded twice, from the original legacy name of Lak-Hui Chemical Industrial Corporation

to Lucky_Goldstar, and in 1995 to their current moniker of LG with the tag line "Life's Good."

Kentucky Fried Chicken rebranded to KFC to simplify their brand image and de-emphasize the fried aspects of their foods. They are now able to offer grilled chicken without an apparent contradiction in the name. Rebranding eliminates the need to spend valuable ad dollars declaring "We're more than what we say we are!" And in this economy, that might save even more than money, it might just save the business.

Repositioning and rebranding keeps a company current, relevant and profitable

Both repositioning and rebranding serve the goal of greater brand clarity. Repositioning highlights a company's emerging role and redefines its new territory in the marketplace, (often while keeping the legacy name in place, e.g. Apple). Rebranding addresses the outward facing identity of the company, typically the name and visual components, and helps to alleviate and/or correct misconceptions about the direction of the business (e.g. 3M and

KFC).

Both rebranding and repositioning offer unique and specific benefits when applied correctly. Clarifying the brand identity and reposition allows potential customers to place the company in the right mental "box" for easy and accurate recall. This type of internal branding reduces customer confusion, improves bottom line performance and positions your company for continued success. With careful consideration, rebranding and repositioning will help your customers remembering and revisiting you more often.

An Courtesy: www.tungstenbranding.com/branding-articles



D. Hariyani

Reader, Dept. of Mechanical Engg.

IMPORTANCE OF SOME INORGANIC CONSTITUENTS IN HUMAN DIET

Constituents

Na⁺, K⁺ and Ca²⁺ have very important role in maintaining electrical neutrality, osmotic pressure, intracellular and extracellular ionic balance and also in other functions. Ca²⁺, P, Fe, Mg, I, S, Cu, Mn, Co, Mo, Se, F, Cr are other inorganic element which are necessary in micro amount.

Sodium

Sodium is introduced into the body as dietary sodium chloride. Daily intake of sodium varies from 5 to 15 grams. Approximately a minimum of 5 g (217 mmol), (about 12.7 g as NaCl) appears to be an adequate requirement. Almost 95% of it is excreted through urine and the rest by sweat.

Potassium

The body receives potassium from most of the food stuff, which normally supplies about 4 g daily. A minimum of about 3 g per day appears to meet the requirement. It is excreted through urine. Potassium is present in all tissues. Whole blood contains nearly 200mg/100 ml, but plasma concentration is only about 20g/100 ml (5 mEq/l) because most of the K⁺ remains in the cells.

Chlorine

Chlorine is received with NaCl and removed by the body as chloride ion. Its loss in urine and sweat along with Na⁺ (NaCl) necessitates daily replacement, for which about 7 g (200 mmol) appears to be adequate.

Calcium

Calcium is present in milk and milk products, egg yolk, nuts and green leafy vegetables. The body receives this mineral from these



food stuffs, as well as from drinking water in many places. Loss of calcium occurs partly in urine and partly in faeces. Daily requirement for an adult is 0.4 to 0.6g. Children as well as pregnant and lactating women need more calcium.

Phosphorus

Phosphorus occurs, together with calcium, in plant and animal kingdom in many instances. If the intake of food stuff is adequate, the requirement of other nutrients, specially calcium and protein, requirement of phosphate is automatically fulfilled. On the average, the daily requirement as P in food is about 1.0 g for an adult.

Iron

Iron is an essential component of hemoglobin, the red coloured substance inside the erythrocytes. Its main function is to carry oxygen from the lungs to the tissues. Daily dietary requirement for adult men and post menopausal women is about 20-30 mg. The need is more for children and women before menopause, specially

during menstrual loss of blood. The demand for lactating mother is higher. During pregnancy, both, the mother and the fetus need to synthesize more and more hemoglobin, and the need for dietary iron goes upto 800-900 mg daily.

Magnesium
Adult human body contains about 25g of magnesium. Most food stuffs contain magnesium; milk and milk products, cereals, green leafy vegetables, etc. are good sources. Dietary deficiency is rare. Daily dietary requirement is about 300 mg.

Iodine
The adult human body contains about 50 mg of organically bound iodine. Nearly half of this is present in muscles. Thyroid gland, in which the concentration is highest (10mg/100 g tissue), contains 20% of body iodine; skin and skeleton also contain small amounts. The daily need is about 25 mg, but larger intake (100-200 mg) is recommended in food.

Sulphur
The body receives sulphur through the food proteins as sulphur containing amino acids, e.g. methionine and cysteine; these are constituents of these proteins.

Copper
Copper is an essential trace element. It is widely distributed in food stuff like nuts, leguminous plants, tubers, leafy vegetables, milk and liver, etc. Milk has a low concentration and liver has highest. Deficiency is rare. Daily requirement is around 2.5 mg.

Zinc
Adult human body contains 1 to 2 g of Zinc. It is widely distributed in foods of both plant and animal origin, and deficiency in man is generally unlikely. Daily requirement of an adult is about 15 mg, which is adequately met by a mixed diet.

Cobalt
Cobalt is a constituent of vitamin B12 which has about 4% cobalt. The human body contains about 80 µg. No deficiency syndrome has been established in humans, but lack of cobalt is likely to cause vitamin B12 deficiency.

Fluorine
The body receives fluorine mainly from drinking water, in which concentration varies with soil content. Some sea fish and tea also contain small amounts of fluorine. The optimal intake of fluorine should be 0.2 mg per day, which is adequately supplied if the drinking water has about 1 part per million. If the fluorine concentration in drinking water is much higher than optimal, then a clinical condition known as fluorosis occurs.



Dr. Sharda Soni
Reader, Dept. of Chemistry

GREEN CHEMISTRY: BOON TO SUSTAINABLE DEVELOPMENT

It has been recognized in recent years that the science of chemistry is central to address the problems facing the environment. Through the utilization of the various sub-disciplines of chemistry and the molecular sciences, there is an increasing appreciation that emerging area of green chemistry is needed in the design and attainment of sustainable development. Sustainable development is a must in the 21st century because of continuously increasing population and developing resources. Only research and innovation will allow the development of economic and social networks that fulfill the requirements of sustainability.

Chemistry, as the science of matter and its transformation, plays a central role in this process and is the bridge between physics, material sciences and life sciences. Efficiency of chemical processes has almost reached a maximum in after careful optimization thus they will lead to more sustainable products and production. The negative collateral environmental impact associated with the manufacture and use of chemicals has spurred interest in "Green Chemistry" and "Environmentally Benign Organic Synthesis". Green Chemistry has emerged since 1990s as a way that the skills, knowledge, and talents of chemists can be used through its application to avoid threats to human health and the environment in all types of chemical processes. A central driving force in this increasing awareness is that it accomplishes both economic and environmental goals simultaneously through the use of sound and fundamental scientific principles.



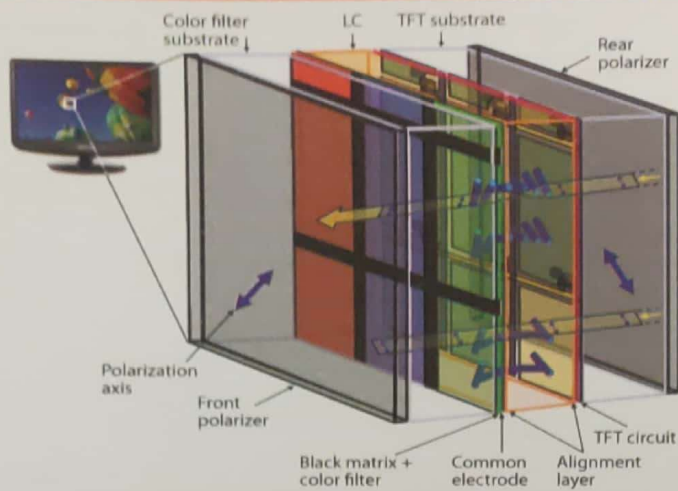
Dr. Poonam Ojha
Lecturer, Dept. of Chemistry

Friendship

Friendship is like a pleasure; Keep it with smile.
Life is like a treasure; It is only for a while.
Joy to laughter; Dreams to treasure,
but friendship has no measure.
Meeting is pleasure, Departing is pain,
Since the earth is round, we will meet again.



Anand Kumar
I B. Tech., Dept. of ME



THIN FILM TRANSISTOR TECHNOLOGY

TFT TECHNOLOGY is as old as that of the modern MOSFET. In spite of early demonstrations of functional devices and products, the technology enjoyed great success only after the first report of a-Si:HTFTs prepared by the PECVD process. Fabrication of large-area TFT arrays on low temperature substrates has evolved with a high throughput but at low cost. There have been great advances in TFT device physics, material properties, and fabrication processes. The current TFT application is mainly for pixel driving in large-area LCDs. The TFT architecture has also been used in products such as medical X-ray images and mobile consumer goods. Industry R&D activities have been aiming at improving the cost, yield, and throughput of large-area panels. Academic research in many universities has helped in the understanding of material properties responsible for the TFT performance as well as the underlying chemistry and physics of the fabrication processes. At the same time, a large number of new applications in non-LCD areas have been reported.



Mrs. Swati Arora
Sr. Lecturer, Dept. of ECE

GPU (GRAPHICS PROCESSING UNIT)

The GPU (Graphics Processing Unit) is a specialized circuit designed to accelerate the image output in a frame buffer intended for output to a display. GPUs are very efficient at manipulating computer graphics and are generally more effective than general-purpose CPUs for algorithms where processing of large blocks of data is done in parallel. Modern smartphones are equipped with advanced embedded chipsets that can do many different tasks depending on their programming. GPUs are an essential part of those chipsets and as mobile games are pushing the boundaries of their capabilities,

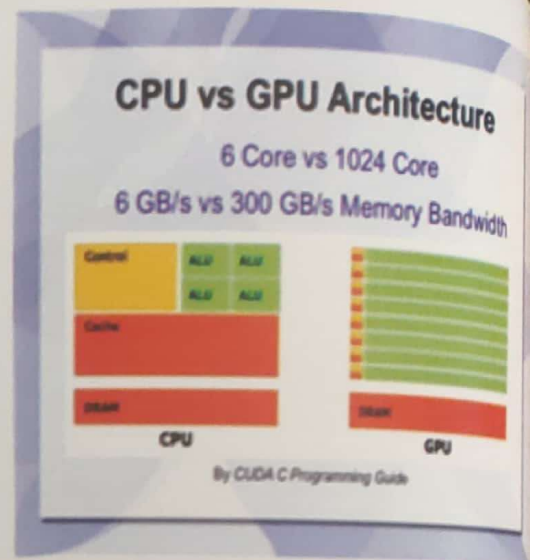


Fig: CPU v/s GPU architecture

the GPU performance is becoming increasingly important.

GPU FEATURES INCLUDE

- 2-D or 3-D graphics
- Digital output to flat panel display monitors
- Texture mapping
- Application support for high-intensity graphics software such as AutoCAD
- Rendering polygons
- Support for YUV color space
- Hardware overlays
- MPEG decoding

These features are designed to lessen the work of the CPU to produce faster video and graphics. A GPU is not only used in a video card or motherboard; it is also used in mobile phones, digital cameras, adapters, workstations and game consoles. This term is also known as a visual processing unit (VPU).

The first GPU was developed by NVidia in 1999 and called GeForce 256. This GPU model could process 10 million polygons per second and had more than 22 million transistors. The GeForce 256 was a single-chip processor with integrated transform, drawing, and BitBLT support, lighting effects, triangle setup/clipping, and rendering engines. GPUs became more popular as the demand for graphic applications increased. Eventually, they became not just an enhancement but a necessity for optimum performance of a system. Specialized logic chips now allow fast graphic and video implementations. Generally the GPU is connected to the CPU and memory (RAM) is connected through the accelerated graphics port (AGP) or the peripheral component interconnect express (PCI Express) bus. Some GPUs are integrated into the motherboard and use the main memory as a digital storage area. These GPUs are slower and have poorer performance.

Most GPUs use their transistors for 3-D computer graphics.

However, some have accelerated memory for mapping vertices, as geographic information system (GIS) applications. Some of the more modern GPU technology supports programmable shaders representing textures, mathematical vertices and accurate color. Applications such as computer-aided design (CAD) can process over 200 billion operations per second and deliver up to 17 million polygons per second. Many scientists and engineers use GPUs for more in-depth calculated studies utilizing vector and

matrix features [REF: <https://helpx.adobe.com/>].



Ms. Priyanka Sharma

Lecturer, Dept. of ECE

BETA PICTORIS B

For the first time, scientists have measured the spin of a planet outside our solar system - a large gas planet located a relatively close 124 light years from Earth. They determined that the planet spins faster than any in our solar system, with a rotational velocity at its equator of about 56,000 miles per hour (almost 100,000 kph). In other words, a large gas planet that has the quickest spin in our solar system, whirls at about 29,000 miles per hour (47,000 kph) while Earth spins at about 1,000 miles per hour (1,700 kph). A day on Beta Pictoris b lasts only eight hours, compared to 10 hours for Jupiter and 24 hours for Earth. Scientists have spotted about 1,800 planets beyond our solar system, but very little is known about these distant worlds including the basics like what they are made of and how they orbit around their stars. Beta Pictoris b is one of the better understood of these planets. It is one of only about a dozen that have been directly observed rather than found using indirect detection methods in which scientists can only see the planet's influence on the host star. "Only if we know more about other planets - like their temperatures, atmosphere and rotation - can we tell how unique our home in the universe really is," said one of the researchers, Gerhard Brandl, an astronomy professor at the University of Leiden in the Netherlands.

Beta Pictoris b is big, hot and young. It is about 3,000 times more massive than Earth and seven times more massive than Jupiter, our solar system's largest planet. It is only about 20 million years old, compared to about 4.5 billion years for Earth, and is still hot from its formation, the scientists said.

The host star, Beta Pictoris, is approximately twice as massive and 10 times as luminous as our Sun. The head-spinning speed at which Beta Pictoris b whirls, the scientists said, lends support to the notion that a planet's rotational velocity is closely related to its size: the larger, the faster. "Yes, the relation between mass and spin velocity is already known in our solar system," said University of Leiden astronomy professor Ignas Snellen, another of the researchers. "We now extend it to a more massive planet to see that the relation still holds. We need to observe more planets to confirm this is really a universal law," Snellen added.

The technique the scientists used to measure the planet's spin was based on the Doppler effect, the well-known phenomenon people notice when they hear a change in the pitch of an ambulance siren as the vehicle whizzes by. "When we observe a rotating planet,



the light from one half, which is approaching us, has a slightly different frequency, or colour, than the other half, which is receding from us. The relative difference in colour, or frequency, between the two halves is a measure of the spin-rotation velocity," Brandl said.

Beta Pictoris b is located in the southern constellation of Pictor and was discovered about six years ago. It orbits eight times farther from its host star than Earth orbits the Sun. The scientists are looking forward to make a global map of it including possible cloud patterns and storms. [Ref: <http://indiatoday.intoday.in>]



Ms. Namrata Joshi

Lecturer, Dept. of ECE

PI: THE COUNTABLE INFINITE

Mathematics has been a field of research for many centuries and continues to amaze humans, constantly looking to stretch the limits. There have been several numbers that have excited scientists and researchers alike, one of them being "PI" that we know as 22/7 or 3.14 and it is technically incorrect as pi is an irrational number. Its decimal representation never ends and never repeats itself. The digits are randomly distributed; however no proof of this has been discovered till date. "PI" is a transcendental number, i.e., a number that is not a root of any non-zero polynomial having rational coefficients.

3.141592653589793238462643383
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 3378678316 5271201909
 145648566 9284603486
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 66063155881 74881520920 962829
 25409171536 43678925903600113805
 3054882046652 1384146951941511609
 43305727036575 959195309218611738
 19326117931051 18548074462379962
 7495673518657 528248912279381
 8301194912 9833673362

Generally, in scientific applications, we require not more than 40 digits of pi. Thus, in the tech community it is geeky and cool to know the value of pi upto 40 places or more. The calculations of finding the value of pi are extensive and are used to test supercomputers and high-precision multiplication algorithms. Thus, it has very high significance in computer science. It is also taken as an analogy in data mining in which the digits after the decimal are considered to be random, and unstructured data seems nothing unless we search it with a desired motive or a key. It is said that it consists of all the possible strings of digits, irrespective of length, which means our mobile number, our vehicle registration number, our AADHAR card number, all exist in this single number. There are numerous representations of pi which are like depicting a complete galaxy and are a breathtaking blend of mathematics and art.

Its vast usage in various branches of science makes it one of the most widely known mathematical constant both inside and outside the scientific community. Pi- Day is celebrated on 14 March every year. The Pi Day of this century was celebrated this year on 14 March 2015(3.14.15) which is the correct value of pi upto 5 decimal places. A lesson we can take away from this is that – life is full of chaos; we need to dig a little deeper to find reason.

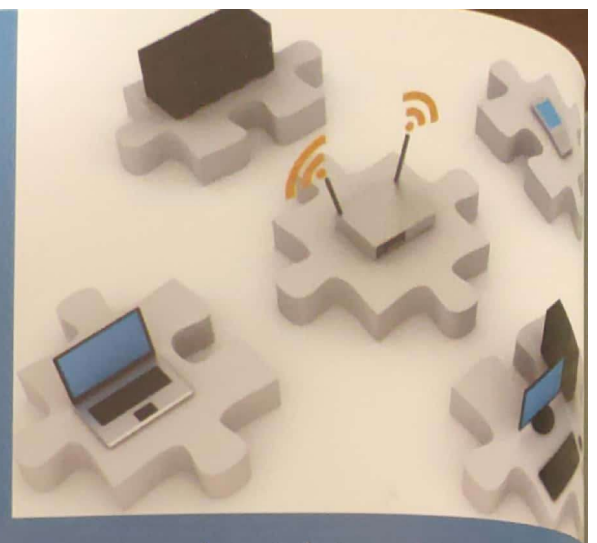


Ishan Saini
 IV B.Tech., Dept. of IT

WIRELESS TECHNOLOGY

Now the time has come when we are getting more and more faster as technology and inventions are emerging as per our needs. Wireless technologies are one such example. Every person in the world now want that he should be free from tangled wires and should be in a position to carry his gadgets where he wants. Wireless technologies made his dream come true. Today wireless technologies are used in many fields such as education, rescue works, business, communications etc.

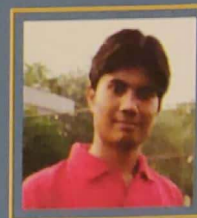
Mobile phones or say smartphones are one such examples. Schools that once had to seek grants for funding to bring internet into the



classrooms now have students carrying broadband internet, them in their pocket. Mobile phone communication has spread early warnings of impending natural disasters, and people the time to prepare or move out.

Wireless communication has also improved our media space. Now we can watch live incidents from the place due to satellite space. A smartphone based broadcast system called (G-NET) gives residents of remote villages in India a new found ability to report on news and events in their regions. It has also changed the way of business around the world. Now a person can make a meeting using two way portable video conferencing system. One sitting at home can talk to other online and can make deals final. Also, it has opened new avenues for entertainment. People with smartphones now have a way to keep them entertained. There are many wireless technologies such as Wireless Fidelity (Wi-Fi), Bluetooth, etc. with which we can synchronize between our computers, print to a bluetooth enabled printer without connecting cables.

Day by day our lifestyle is being changed by such wireless technologies and the day is not far when we will be free from wires and can transfer power too wirelessly.



Vaibhav Gautam
 I B.Tech., Dept. of ECE

STARTUP: STUBIZ

Every great enterprise or a company starts with a simple and significant vision of innovation. As Albert Einstein once said, "A person who never makes a mistake has never tried out anything new". If life were measured through achievements most of us would die in infancy, but life is measured through the zeal and enthusiasm to do something new.

So starting with an innovation spark, we come up to a startup named STUBIZ. It is an indispensable need of the students to get easy access to reusable college requisites on nominal rates. This has been made through our service STUBIZ.

It is basically a student to student internet marketplace where

Students get an opportunity to buy and sell all student merchandise with just one click. The website is basically initiated to help students, especially of the fourth year to sell off their stuff here, instead of carrying it back again. It also provides a medium for the juniors to interact with their seniors for the stuff they need. With this, students get the opportunity to get easy and quick cash at the end of each semester. Various items like labcoats, USB's, old books, class notes, pen drives etc are available that can be useful for students. Buyers get in a direct contact with the seller so the process gets easy and transparent which adds to its advantage. Various other items are available which will help the buyers then solve time as well as money.

Why to waste time roaming outside from one shop to other when you can get what you desire in your own campus. Just follow this link www.stubiz.in and remember a simple mantra.

SELL KE LIYE BIZZ ON STUBIZZZZ...

Follow us on facebook at <https://www.facebook.com/stubiz.in>

Members- Avinash Gupta (CS 3rd year)

Avinash Chopra (CS 3rd year)

Mahak Nijhawan (CS 3rd year)

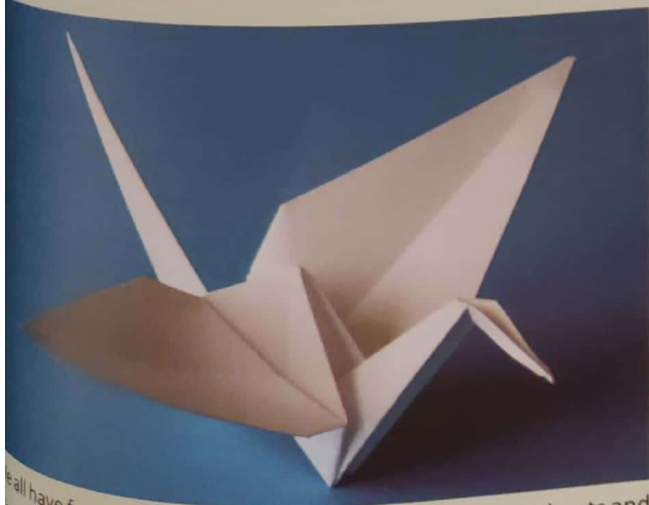
Regina Jain (CS 3rd year)



Mahak Nijhawan

III B.Tech., Dept. of CS

ORIGAMI: THE ART OF NATURE



We all have fond memories of childhood, of making paper boats and planes. Though the term "origami" may be new for some, we have known it since our childhood. Origami is the art of paper folding and is believed to originate in Japan. It is a remarkable blend of art and science. One thing that has kept this art alive for centuries is its simplicity. The definitive art with a shade of green has inspired artists, recyclers, fashion designers, home builders, and even researchers to include it into their works.

From creative art to interior design, from architecture to fashion, designers of all fields are now finding inspiration in origami-based concept, techniques, patterns, and textures. There are several breathtaking examples of products that have been inspired by origami, such as a tea bag is packed like an origami bird (an interesting packaging concept by the Russian designer Natalia Ponomareva). The EIN/TRITT shoe concepts shows how modern technology can take shoe manufacturing to the next paradigm. Flat shoe patterns with reinforced parts get folded and fixed by the consumer. Production and shipping costs are significantly reduced. From an aesthetic point of view, it has a very geometric and architectural form that'll definitely grab your attention. 'Land peel' is an innovative and flexible floor mat concept developed by Japanese industrial design student Shin Yamashita from the Kyoto Institute of technology. The Land Peel looks just like your typical floor mat but allows you to transform it into chairs, coffee tables, workstations by simply lifting the panels. Ideal for different activities, like sitting, sleeping or reading. The lounge floor mat, when not in use, folds flat for easy storage as well as transportation. Apart from revolutionizing the designs of our daily objects origami has also inspired the designs of some scientific instruments, the best example being the foldscopes. Foldscope is an origami-based print-and-fold optical microscope that can be assembled from a flat sheet of paper. Although it costs less than a dollar in parts, it can provide over 2,000X magnification with sub-micron resolution (800nm), weighs less than two nickels (8.8 g), is small enough to fit in a pocket (70 × 20 × 2 mm³), requires no external power, and can survive being dropped from a 3-story building or stepped on by a person.

Today researchers in robotics, biology, math, and computer science are immersing themselves in that method. Scientists are looking at how materials and molecules wrinkle, drape, flex, and crease. They're using folding to design everything from robots to cancer drugs, from airbags to mirrors for satellite telescopes. An Oxford University engineer named Zhong You has used origami to design better-crumpling car bumpers and flexible, low-cost stents. A team at Wake Forest University has used origami folding to create a fabric of densely layered nanotubes that can generate power from body heat. In a range of fields, fabrication by folding has the potential to be far faster, cheaper, and less energy-intensive than traditional methods and to work at very, very small scales, where even the most precise mills and lathes have all the accuracy of an earthquake. Makers of medical equipment and consumer electronics are looking at folding as a way to streamline manufacturing processes.

The natural world doesn't use the techniques of casting or punching rather one of its favourite methods is to take something flat and fold it into a three-dimensional form. Flowers, leaves, wings, proteins, mountain ranges, eyelids, ears, DNA—all are created by folding.



Sumati Ludhani

IV B.Tech., Dept. of CS

KALEIDOSCOPE

perspicacious perspectives

WORKFORCE STRATEGY AND SKILLS DEVELOPMENT IS KEY TO ECONOMIC GROWTH

Indian history provides insights into how the growth and prosperity of the nation have always been tied to the skills and output of its workforce. British Colonialists destroyed the native Indian industry and skills as they flooded the country with cheap goods resulting from the industrial revolution and built barriers for the native industries. A British education system was introduced to support clerical jobs or low skilled work force. A government job of "babu" became synonymous with job security and status.

Entrepreneurship, manufacturing and industrial skills languished even after independence in the license raj and we continued with the policies of our colonial masters. Poverty isn't the reason for our backward education system and our uneducated / unskilled populace. We are poor because we have a low skilled workforce. In the post Second World War era, Germany and Japan saw their entire industry and economy collapse, but they quickly rose to become economic powerhouses because they had a highly skilled workforce. The first step to start this transformation would be to change our values and attitudes toward work. We need to establish the dignity of labour. We need to start valuing entrepreneurship, skilled workers and self-employment. At the same time, we need to change our perceptions about government jobs, the clerical class and administrative jobs. These were highly valued by the British to maintain their control over the population, but they have little value in Independent India. These jobs add to the bureaucracy, lead to higher taxation and are a burden on the economy of the country. It is only when we start respecting the skills that contribute most to the economy, that we shall create motivation in the people to pursue those careers. Today our top professional talent aspires to join the administrative services. Shouldn't all of them be dreaming to become the next Bill Gates? How many students dream of becoming the best electrician or best mechanic? A government peon may command higher respect than an aspiring entrepreneur. It is noteworthy that the dignity of labour is present in most countries except India, Pakistan, Bangladesh and Lanka. Our common colonial history is the likely reason for this.

Creating awareness about the dignity of labour should be initiated right at the primary education level and it should be compulsory for all students to acquire one manual skill as per their choice. It is noteworthy that the present infrastructure is not sufficient for imparting skills in the schools and, therefore, efforts will have to be made to not only create it but also provide trainers in schools. This could be attempted on a pilot scale; once it succeeds, it can then be enlarged at the national level. The German education model is the



best example of such an approach to education. Germany is an economy that has been able to successfully grow and prosper in the face of the much cheaper products from China. Some experts hold the view that since workshop is compulsory in the first year of engineering students of all branches even in IITs, its purpose being to make them aware of the dignity of labour. But in my view, that is not the idea behind it. It is in fact to make the students aware of industrial inputs in terms of hardware so as to enable them to handle the situations that this measure has been devised.

Industry needs to take a strategic view of skills development as well. The IT industry has significantly invested in this effort in partnership with educational institutions. These efforts need to be expanded across different domains so that the workforce coming out of these educational institutions is ready to be productive on day one at the job. Proper remuneration for the skilled workers is necessary; it will eventually be compensated with higher productivity and more profits from these workers.

Finally, I will say students pursuing engineering and management courses should take note of this and implement it while working in the industry, to the extent possible, with a positive attitude towards the workforce.



Prof. M. L. Bhargava
Advisor, SKIT

HAPPINESS IS ACCEPTANCE

Most precious thing we want in life is happiness. But it never comes from fulfillment. And if comes it is momentary. So first we need to know the secret behind it.

Happiness is spiritual experience of living every minute with love, peace and gratitude. It does not come as a result of getting something we do not have, but rather by recognizing and appreciating what we do have. Learn to let go is the secret of happiness. Enjoying your own life without comparing it with others, also make us happy.



Optimism is a happiness magnet, if you stay positive, good people and good things will be drawn to you.

Success is not the key of happiness rather happiness is the key of success. If we love what we are doing, we will be successful

The most important thing to come out from deep sorrow, disappointment and tensions is to cease worrying about the unpleasant things which have passed and are beyond our power. Feeling of inferiority, comparison, envy, hate and ego will always keep one away from happiness.

So, if you want to be happy, love others, appreciate others, have feeling of gratitude, contentment and optimism.

Obsession with material wealth has drawn us away from the world of harmony, love and togetherness. A contented person is always happy. So drop your seriousness and turn playful. Bring more love to function. Change your work more and more into a new energy which you can enjoy, and let your life be more of fun, more of laughter, and less of desires and ambitions.



Dr. Meena Nemiwal

Senior Lecturer, Dept. of Chemistry

HOW TO BE A GOOD ENGINEER

Nowadays there are many engineering colleges with adequate infrastructure & various facilities, but with students having a lack of knowledge of the right direction in which he/she must channelize his own energy to implement the technical database one possesses. Besides developing technical expertise, a 'to be engineer' must also focus on some other but very important attributes too, which will be highlighted by this article.

The pre requisite for any engineering student must be one's own interest in the field and an ability to keep oneself happy which can be accomplished by practising self-motivation and being in a company of lively & cheerful people who are alert, enthusiastic and dynamic. This is imperative to acquire a serene & composed mindset which is a vital requirement to effectuate one's consistent efforts into some feasible harvest. A student must keep him/her informed of the latest trends for realizing a practicable result of an engineering study/research. If, in case, the student has opted in 'engineering education' due to parental pressure or any other force (as is the case in most of the private colleges), he may choose to be an expert in that field or not. However, if he wants to gain dexterity in that field, it may be developed over time by procuring knowledge from



whatsoever sources confronted and by implementation of the same practically.

After graduation, an engineer must believe in one's own capabilities (this may become a disaster if a candidate has wrong notions about oneself & confides in false capacities). An engineer either should have an idea/approach of practical implementation of any project or ought to be a part of a technical team for the realization of one's skills. One may participate in competitive/non-competitive project

building activities (not necessarily winning) or 'do it yourself' projects at home for gaining practical insights in the respective field. Time or age is never a hindrance if a person wants to learn anything. Everyone helps a person who is 'deterministic to accomplish a purpose whether he gets any assistance or not'.

Technical proficiency in verbal communication and documentation (adroit writing skills) strengthens, augments and highlights one's abilities suitably. Verbal communication refers to effective speaking in any language understood by the concerned people and remaining in a relaxed state of mind while delivering the speech. Writing skills are mostly utilized while writing proposals for the project commercialization/exhibition/funding/patent/industry tie up etc.

Apart from the above listed attributes, an engineer should empathize with his fellow people, enjoy working with them while each person having a clear understanding of one's own area of expertise.

Possessing all above mentioned traits can't guarantee anybody's

success without incorporation of some crucial personality virtues. Out of these, the most significant characteristic to execute any work is that a person must not get caught up in one's own negative emotions (fear, jealousy, greed, indiscipline, lethargy, holding grudges etc.) and the useless erroneous zones (past, guilt, worry, anger and procrastination). One should never let others to influence his happiness/sadness or feelings of any kind in his own self, rather he must choose the feelings he wants to feel and the life he wants to live.

Becoming a good engineer doesn't demand much from any person but being an empathetic, efficient, composed & managed engineer does.



Ms. Smriti Jain
Reader, Dept. of EE



CREATIVE ENTREPRENEURSHIP IN A DOWNTURN

"When everything seems to be going against you, remember that the airplane takes off against the wind, not with it." The line by Henry Ford seems to fit aptly into the current situation of entrepreneurs across the world. Whatever the headlines predict these days, there may still be good news for entrepreneurs. Many successful products and pivotal ideas have been launched during an economic downturn link Revlon cosmetics, Motorola, Hewlett-Packard, Southwest Airlines and MTV. Good ideas are not hard to come by. The difficult part is to deal with the shortage of capital as it can still lead one to a great idea. The entrepreneurs judiciously using the limited resources have the potential to do well. Adversity and shortage are great stimuli for surprising the world. The shortage of capital for launching new ventures creates great possibilities for an entrepreneur to spot the opportunities, get creative and go after the resources.

If history is taken into consideration, we can expect some important industry shapers to emerge from the current crisis. In the 1930s, a period which saw a great slowdown, there were start-ups that became household names: Motorola, Texas Instruments and many others.

In terms of lessons learnt from the past, there are many cases that we can turn to. In the airline industry, JetBlue, Ryan air and Southwest Airlines were founded during downturns on the

principles of delivering value. In terms of affordable luxuries, the emergence of media, like CNN and cosmetics like Revlon, during downturns. One may go even further and brainstorm a fairly long list of ideas: for example, think along the lines of meals at budgeting tools, home, job matching, etc. The opportunity is in all the surplus resources that we can tap into and harness. For instance, the slowdown created by the fall of the Internet bubble gave rise to some new applications that we now call Web 2.0. Materials and technologies left unused due to the collapse of one industry can be creatively re-directed towards others. Silicon that was left surplus after the semiconductor industry slowed down during a recession period was taken up by a fast-emerging solar energy industry.

The universe never conspires against you, but it doesn't go out of its way to line up the pins either. The stars will never align and the traffic lights of life will never all be green at the same time. Conditions are never perfect. So, don't let the downturn and hurdles stop you from being you. Just you!



Rajdeep Sukhwai
IV B.Tech., Dept. of ECE

CULTURE OF IMPATIENCE AND INTOLERANCE

Change is not a process for the impatient

Man is considered to be a social animal, but in this age we can't call ourselves more civilized than our forefathers. We call ourselves a fast paced society, we want everything to be done in blink of an eye. High speed cars and trains, high speed internet connections everything ought to become fast. As long as our fast rhythm of life is maintained, all is fine; but the other way round frustration creeps in. Though our swift pace of life has provided us with a sophisticated lifestyle it has also bred a culture of impatience. On roads we drive recklessly; stuck in traffic we will keep on honking our horns furiously. Low internet connection and the anger is unleashed on the tiny mouse. This impatience and short temperedness is giving rise to an intolerant society where everyone justifies their dogmatic assumptions as righteousness. Men today are ready to stab each other over petty disputes. The youth today is afflicted with high adrenaline rush which, if not brought under control can lead to maim both them and the society like a two edged sword. severe circumstances.

Today we have even reached a point where expression of ideas or view-point is viewed with resentment and hostility. We might live in the world's largest democracy but the freedom of expression as our most fundamental right is not guaranteed. There is an itch to ban everything. After the recent controversy over the documentary India's Daughter India was mocked worldwide as the Republic of Bans. What was disgusting was the reason suggested for banning the documentary, i.e calling it an international conspiracy to defame India. We have become a country where our veteran politicians can't tolerate a carping comment on them by the social media. Although the controversial law, section 66A of the Information Technology Act that allows the police to arrest people on the basis of



comments made in the social media, was struck down by the Supreme court, our society is still guilty of many acts which should make us hang our heads in shame. Salman Rushdie has been occluded from the Jaipur Literature festival for years because of violent protests by people who, I am sure, haven't read his book. The Picasso of India, M.F. Hussain spent his last days in exile after personal intimidation and vandalisation of his paintings.

This is not democracy. Rather this is mobocracy, hooliganism and the sign of an intolerant society. Impatience and intolerance breed anxiety, fear and dismay. Patience gives us decisiveness, clarity, a radical outlook and eventually success. This type of intolerance is the root cause of rising crimes and growing depravity in our society. It is required of our society to maintain a balance between our emotions and our actions. If any of the side is overloaded, the balance is bound to shake and the shaking will eventually lead to sinking.



Nivedita Jha
III B.Tech., Dept. of ECE

WINGS

In his Independence Day speech the Prime Minister called upon the technocrats and industrialists of the country to make everything in India. I want to add my voice to this call. I urge the youth to take this call to every corner of the country. I want to ask them why despite their large numbers and unquestioned capability, the country is still forced both big and small things. They do not come for free. In fact the manufacturers make hefty profits and put many things beyond our reach if our young men and women apply themselves to technical research, and the industry lends a helping hand too, in no time we should be able to stop importing and start exporting.

But why are my friends in different engineering colleges not inclined to go into research? They don't feel inspired. Lack of a practical perspective and ancient teaching methods dishearten them. They seek relief in the well-known drug called CRAMITHROMYCIN (learning by rote, not by experimenting). This drug paralyses their wings. I suggest that the nineteenth century methods of instruction should

be discarded and NPTEL (National Programme on Technology Enhanced Learning) adopted. Making the class rooms 'Smart' and using the tablet Akash would rekindle their interest. Making studies interesting this way would make our college successful in its mission of promoting higher learning in advanced technology and research to make our country a global player. Researches lead to innovations. We should also generate jobs run industries promote entrepreneurship and give people wings. Better health care and improvement in the quality of living is essential.

Researches can would help our Golden Bird fly high and make our Prime Minister's "Made in India" dream a reality.



Shubham Jaipuria
I B.Tech., Dept. of CS

I HAVE A DREAM...

I have a dream...

A fantasy,

to help me through, reality.

If you see the wonder,

Of a fairy tale

You can take the future

Even if you fail

I believe in angels...

Something good in everything I see

I believe in angels

When I know the time is right for me,

I'll cross the stream

I have a dream.....

As I sit down to write these words, my mind is filled with the images of a faraway land, with fairies and pixies, princesses, witches and knights in shining armor. You see, I am a diehard admirer of fairytales-Snow White, Sleeping Beauty, and Little mermaid—are all my heroines. Some people may find it childish but I even as a grown up girl, like to believe in the utopic world of magical beings and happy endings.

And so it happened that today I went to watch the movie –'Cinderella'. As I saw the the story unfold before my eyes, despite having known and seen it before, I was once again mesmerized. I laughed with the young Cinderella as she enjoyed her golden childhood, wept for her when she was mistreated by her evil stepmother and when she finally found true happiness at the end, my heart also soared in ecstasy.

I came out of the multiplex with stars in my eyes, just like the days when I was a young girl of six.

One of the things that stayed with me, was the advice given to Cinderella by her mother, who said that "no matter what happens, always be kind and have courage"...and that is what eventually helped her find true happiness.

As I reflected more deeply, I realized how wonderful this simple advice is, and how it is something we all can follow. True, our life is no fairytale. There is no evil stepmother, no dwarves or talking animals, no fairy godmother and definitely no prince charming. But I think that the reason we feel so connected with these tales is because somewhere, at some level, our lives are a parallel to these stories.

Think of every fairy-tale villains you've ever heard of. Think of the wicked witches, the evil queens, the mad enchantresses. Think of the fire spitting dragons, the hungry ogres and the savage beasts. Think of them and remember that somewhere, sometime, they've all been real. Maybe not in these very forms, but as difficult people and trying situations we encountered at some point of time. I am sure all of us have faced the irresistible urge to take a bite of the poisoned apple, in form of temptations to do things that are

forbidden. Now think of all the fairy godmothers, the angels and the pixies and you will instantly be able to relate them to the many good friends, mentors and family members that you have had the fortune of knowing.

And once you recognize these similarities, you will realize that in real life too, courage and kindness are the two things that will help us overcome every obstacle, every trial and tribulation. For just as the prince needs courage to slay the evil dragon and Cinderella needs courage to face her stepmother, we need courage to give up the things that are holding us back, courage to start something new, courage to be honest—to others and our own selves. And in the most trying of situations, you will find that sometimes kindness is all you need. The power of a smile, a kind word and deed is indeed unmatched.

So do not forget the fairytales that you read long ago, or dismiss them as childish pursuits. Because wrapped in the cover of magic and adventure, these fables hold pearls of wisdom and lessons for life. Remember, fairytales do not teach us that dragons exist, they tell us that even dragons can be slayed.

And the most important thing is to believe... believe in wishes, happy endings and dreams come true. Magic is believing in yourself, if you can do that, you can make anything happen. In the words of Roald Dahl- "And above all, watch with glittering eyes the whole world around you because the greatest secrets are always hidden in the most unlikely places. Those who don't believe in magic will never find it."

Sometimes all you need is a little faith, trust and a bit of pixie dust...



Pallavi Singh
Alumnus, Batch 2014

MURICA DOES IT EVERYTIME

One of the greatest examples of success of any country if asked, is the United States. Becoming as affluent, volatile, extraordinary as US is still a dream for almost every country. But the reasons for their tremendous success is not just a mere question, its a level of research. United States is the world leader and is likely to remain there for decades because it has both military and economic strength as well as diplomatic and soft power. But the big question is, how did they achieve this level of success? Even going deep into the research, one could not easily figure out the reason of their excellence. If we talk about China, Japan, South Korea and Russia, these countries are highly educated and equally qualified as the US, but again, they still have a long road to travel! United States still receives far more immigrants each year (1 million) than any other country in the world. It leads the world in technology, finance, business and higher education. United States has a First World trade profile. It is still the world's leader for FDI at 180 billion dollars, almost twice its nearest competitor. The United States, spending 560 billion dollars a year, has the most powerful military in the world. Its GDP (16 trillion dollars) is more than twice the size of China's GDP. As the first new nation, it has the world's longest functioning democracy in a world filled with semi-democratic or non-democratic countries. Its stock market, at an all time high, still reflects American leadership of the global economy. They helped defeat one of the most evil & dark regimes in the history of the world, as they stood like a rock against the storms of Communalism. They have fought for moral reasons. They waged wars on poverty, not poor people. They made technological advances, explored the universe, and cultivated the world's finest artists and the world's greatest economy. They reached out for the stars, and that is not for just one time, but every time made themselves invincible!



Shreyans Jain

II B.Tech., Dept. of ECE

CRIME AND PUNISHMENT

We are in the 21st century and India is the biggest youth power in the world. We need to strengthen our youth, but is it all that smooth to pursue such a noble ideal when our teens are increasingly engaging in crime? No, we can't. Murderers, rapists and drug addicts are being released after serving very short terms in jail, because they get very lenient sentences by courts. They are treated so specially, just because they are juveniles, and are protected by the law. This is definitely not justified. Teens must be held accountable for their deeds. They must be treated as adults, when they commit crimes like adults. Ask the family of the victims, how they feel when such acts of charity are practised. Parents are not solely responsible when their child takes to crime. I am reminded of a saying, "The morals of a child are decided by his birth". Even if somehow the parents are at fault, the child must learn from their mistake. After all, we are not talking about an infant; instead the person in point is a grown up

A LONGING

It was the same dream again, the one with all the faces, the known ones.

Ever since I left the city, I have been having these dreams that revolve around the people and the places I was associated with here. When I was here, I always used to hear "You're going to miss this place, once away." Now those words are making sense. And not just this one phase, indeed the entire timeline is now giving this strange feeling, a feeling of loss.

Nostalgia, o nostalgia!

You hold that power to caress and pinch at the same time. You, the innocent twin of regret with your unfathomable, all pervasive dominion, the one that stretches through all ages. Making a 70 year old shed a tear by listening to a song from his youth; or that young lady looking at a little girl riding her bicycle with that basket in front, riding down her own memory lane. You, the mother of deception, who lure us to believe in the beauty of memories and yet induce that craving in us which is a lost cause. Every time you knock the doors of my lost mind, I start with a smile and end with a doleful face. Relieve me of this ominous cycle of recounts as it is yet another form of reincarnation and I'm looking for my divine solace, away from these imprints of memories, once and for all.



Gourav Vyas

Alumnus, Batch 2014



teenager who can understand and take decisions.

Today, the world has so transformed that we can't carry old perceptions. Children become mature very early. A 5 year old child is technically capable, he knows how to operate a number of gadgets. So the bar that was placed between a child and an adult must be brought down. At some places, it has also been found that a person of 18 years is only 15 years old in legal documents. This is also how people take undeserved advantage of juvenile rights. The laws must be reformed so that no one escapes the wages of severe crimes. Since, it's heart rending when a mother never gets to see her child live while their killer is served only a short sentence. Some argue that teens may emerge more dangerous and damaged from jail, where they meet experienced and hardened law breakers. Is it not the same with adults? There should be a separate jail for the teens. They can be put in separate jails where they are kept away from adult professional criminals.



Rajeev Ratna Singh

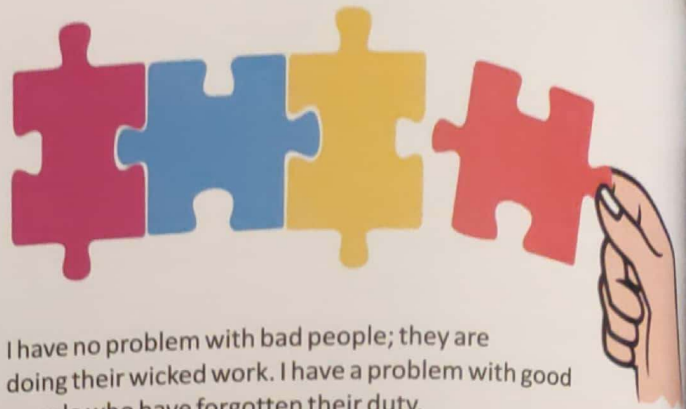
I B. Tech., Dept. of ME

OUR CONTRIBUTION TO THE NATION

We all live in this country, using its resources, its facilities, its services. Have you ever thought what have you done for it in return? If I put this question to a common man, then general answer would be that we can contribute to our nation only by joining the defence forces or administrative services. But this is wrong, for people in all walks of life can contribute to it by their services. The job of defence personnel is to protect civilians from the enemy living in another country. The job of administrative officers is to maintain discipline in civil society. But what culture will society follow, where to lead the coming generation, etc. depends on the common people. As students today, what are we contributing towards our nation? If not today, let us make ourselves capable enough, that the nation asks us tomorrow, we may have a lot to give it. If you cannot contribute, you should also not waste its resources. Boys living in a hostel pay the hostel fees. They start feeling that somehow they should recover that money. So they do things that don't help anybody. They don't switch off electrical appliances even when they are not in use; they write on walls; they break the doors, window glasses, etc. By doing this do they get their money back? No; but they certainly waste nation's resources.

"The trouble with the world is that the stupid are cocksure and the intelligent full of doubt" - Bertrand Russel

Today, we are adopting western culture. By this act we are erasing the identity for which India is known in the world. If we can not enhance it, we should not eradicate it at least.



I have no problem with bad people; they are doing their wicked work. I have a problem with good people who have forgotten their duty.



Vaibhav Birla

I B. Tech., Dept. of ECE

LOVE TO THE WORDLESS

Conservation is a state of harmony between men and land. Wildlife conservation is the practice of protecting wild plants and animal species and their habitats. We should speak for the ones who don't have voice. On one hand, various government agencies and independent non-profit organisations are making policies to preserve them and on the other, humans look determined to deteriorate the already prevailing conditions by their acts of agriculture, oil and gas exploration, commercial development, water diversion, etc.

Ecosystem is changing dramatically. Gandhiji once quoted, "What we are doing to the forests of the world is a mirror reflection of what we are doing to ourselves and to one another." We need to understand that, the continued existence of wildlife and wilderness is very important to our quality of life. Whether it hops, crawls, runs, wriggles, slithers, swims, flies, buzzes, chirrups; grows from the ground or lives in water, man needs nature.

A huge number of species have become extinct and numerous have been recorded endangered. We should realise that shooting wildlife with cameras is a better alternate than shooting them with guns. Wildlife ought to be preserved for the future generations to cherish. Small acts when multiplied by millions, shall surely transform the world.



Vishakha Bhandari

II B. Tech., Dept. of CE

INDIA CALLING.....



When we think of the development of our country What generally comes to our mind the infrastructure development or the development of law and order or the administrative development or the educational development or the economical development. By thinking we get baffled and we just stop thinking in that way. This is the general scenario of a young Indian mind-"let the surrounding change and I will change too". But do you really believe that this is the right direction in which our mind should work.

According to me and most of us, all of these speed breakers in the course of the development of our country are inter-related. We generally think that if we want to get rid of one problem then we have to first kick some others out. This article deals about how can we deal with all of them "gradually". Before reading further just remove every traditional logics in your mind for a while and try to understand what I am trying to say.

When I was a small kid, my mom used to teach me how to deal with a mesh, it was pretty simple. She advised me to have patience, give time, solve it. So this was way opposite in the way I used to solve the problem. I just went on fighting with the big ones which were superficial and in that way I was doing nothing other than making the root stronger than ever before. Soon I used to give up and the mesh was left as a mesh.

Now we have a pretty similar situation arising in our country right now, though on a large scale and I am going to give the same solution which my mom used to give me. Take the root and solve it. No matter what it takes. Well still the question remains how are we going to find out this root? My dear readers the answer to this is even simpler-ask the problems itself. Let's go to the first one and inspect whether infrastructure is the root or not. Now ask the question to yourself that if we will improve upon our infrastructure, are we going to solve other problems? We can get a better economy we can even get a better education system. But will this improve our law and order or our administration? No it won't.

So ask economy what if we improve you. She will also give a big no when we come across administration. Moreover it needs some

back-ups like infra to improve. Without wasting any more time let's switch on to this administration which appears to be common unresolved problem even after solving others. So does this administration contain the solution to all those things. What we clearly see is that administration has a wider scope for the solutions. And here it goes it directly controls law and order, economy, education and infrastructure. At last we have the root and all we need is to weaken it. To weaken any enemy we don't need to take him head-on. We just have to cut out its back-up. You don't have any idea that the backup to root or the root cause is none other than you-citizens of the oldest country in the world, humans of India.

We are directly or indirectly feeding these problems. We are on the verge to convert a whole country into Detroit.

The sole solution lies within you. I appeal to every citizens of this country whether living here or living across its border. It's high time to support and rebuild your nation. Handful of hard working people cannot change your life. They need your support and of course you need them. It's you that can change your life and set this country as an example to others. Last but not the least I would like to conclude this article by a simple piece of advice, no, not advice, I demand your support to our nation. Be prosperous and worship your country's development.



Rishank Singh

II B. Tech., Dept. of CS

STAYING POSITIVE DIFFICULT? NOT REALLY !!

There is so much to do! School and college exams, life's tests, parents expectations, friend's hopes, dreams, passion, etc. demands the best of us! So how can we possibly stay positive in such confusing and demanding situations?

A smile on your face can actually solve the whole problem! The special curve of your lips not only attracts good company but also positivity!

Everyone has their own positive buttons. Just do little effort to find yours! Best way to stay positive is to do what you love. Figure out your stress-busters!!

Life isn't fair. The test it gives generally deprive us of all the positive energies and results in lack of confidence. So the best way to deal with it is to stop expecting and start accepting that life is a game of rise and fall. It is not necessary that things always turn out the way we want it to so always be prepared for disappointments.

Whenever you step out of your house and face the world, you are tend to meet new people. You will hear lot of conflicting stories. Confused? Just stay calm. Listen to everybody out there and then turn yourself into active mode. Start finding reasons behind what people say. This helps your inner voice to think and motivate itself as its the safest shield which protects your positivity against all negative thoughts! One simple exercise can actually help you to stay positive. Write down 4 best things which you experience everyday. Do this for one month. At the end of one month you will be surprised to see that there is a lot to be happy about in life! When upset or depressed just flip those pages and the past record of positive moments will give birth to a new positivity and motivation!! So move out of the box as you are meant to be inside a box only when you are dead! Laugh a lot! Click a lot of pictures and create beautiful memories with your loved ones because time never stops but memories have the power to draw you back to the BEST times you have spent! Move out of your comfort zone and try new things whenever possible and positivity will flow!

Smile is the hallmark of positive people. Take every challenge with a smile because every lesson you will learn will just add another star to your personality. Make mistakes because mistakes are done by only those people who do something! Even if you don't get the desired result, you will still get something really important i.e. experience and when you have experience in life, you have positivity.

Try this and you will see that there are lot of vacancies in the stock of your positivity!!



Mahima Doshi
I B. Tech., Dept. of CS

CHENAB BRIDGE, JAMMU AND KASHMIR, INDIA



World's highest railway bridge, taller than Eiffel, built in the Himalayas has following features:

- The Chenab Bridge, 359 m (1,178 ft) above river bed, is the highest arch bridge in the world, and longest span for a BG rail line with arch span of 480 m (1,570 ft). It spans the Chenab River between Bakhal and Kauri, in Reasi district of Jammu and Kashmir.
- In September 2008 it was announced that the Chenab Bridge had been cancelled due to fears over its stability and safety. Work on the bridge restarted in 2010 once construction was completed this year.
- Travelling in and around the mountainous terrain of Jammu and Kashmir has been a great difficulty for locals. An urgent need to provide better transportation facilities was recognized by the Government of India. Construction of a national railway project that will connect J&K with the rest of India was therefore proposed.
- Indian engineers were toiling in the Himalayas to build the world's highest railway bridge which is 35 metres taller than the Eiffel Tower, five times higher than Delhi's Qutub Minar.
- The bridge will connect Baramulla to Jammu in the Himalayan state with a travel time of six-and-a-half hours, almost half the time it currently takes.



Shikhil Sharma
I B. Tech., Dept. of CE

Stay
Positive!

NEED TO BALANCE

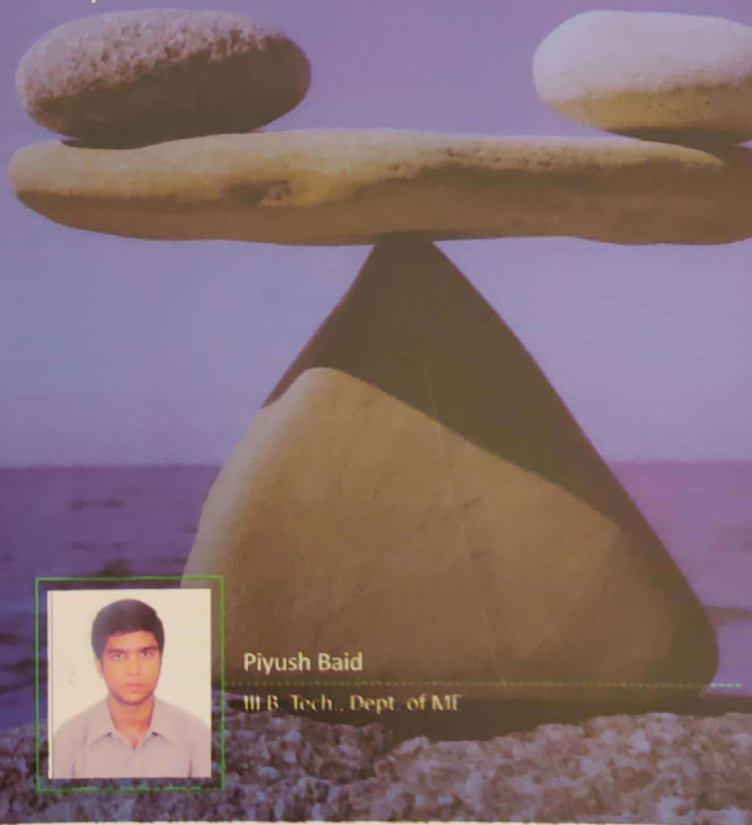
Balancing is an art. It is not possible for everyone to balance, but, we need to learn it. Imbalance in any respect is unwanted. We only lose and gain nothing when we are unbalanced. If we look around we can find many things which are not in proper mix. Let us take the most common example. We say that humans are progressing at a pace never achieved before. Yes, we are, but at the cost of environment. This can be observed with the ever changing environment that has recently lead to unseasonal rain in the country. Due to it, we have lost the entire crop. Farmers, instead of growing and progressing to take their lives at new heights, they have been thrashed with losses unrepairable. So, are we developing with the correct balance?

Examples are the best way to explain. So, let us take one more example. With every generation, the human mind is said to develop and get sharper than the previous generation. No doubt, we in our childhood had no idea of TV, cell phones or any other gadget, but today's kid is much more acquainted and learns to operate them much faster than us. But with technology oriented development, there is imbalance between moral & emotional development. We make others feel inferior to get laughter out of it. A simple & polite person has no value, rather is considered a weak person. With social media coming into picture, intolerant behaviour is at its peak. This is a platform to express your views but people make it a war place. Ever increasing divorces, murder, loot, eve teasing are the ground reality. These all are nothing but an example of imbalance.

Everyone is aware of his or her rights but no one talks about duties. We are ready to adopt the night life concept of west but if we are asked to throw garbage in dustbins, we are reluctant to do so. The western countries are very clean and we always give reference of it at every possible platform. But when it comes to adopt these qualities we leave it for the government. Why?

There are numerous examples where we find such an imbalance or

rather say double standard. All this is a result of greed and pleasure. We are driven by them. There is greed to achieve more and more without taking into account the consequences. For our pleasure we adopt every possible unethical and immoral path. It is time that we understand the concept and the need to balance. We need to introspect ourselves, our system and our thoughts. Otherwise, we will be heading to an environment where there will be a civilization devoid of the roots. Our moral values, ethics, principles and most important the emotions are our roots on which we have built such a beautiful world. But if these roots are lost then we will not be able to survive for a long time. Everyone knows the concept of how important the roots are for the growth of trees. So, think and act wisely.



Piyush Baid
III B. Tech., Dept. of ME

IMPORTANCE OF SPORTS IN THE LIFE OF A STUDENT

The importance of sports in the life of a young student is immense. It not only keeps the child out in the street but also teaches lessons that are essential in the life of a student. Sports play a very important role in making up the personality of a student. Sport is not only a way of entertainment but it also teaches discipline, self-confidence, responsibility and team work. It teaches us how to manage a group of people while working in a team and how to boost up their confidence. For this, I think, from the young age a student should get proper training from professional coaches; and for those who are not financially well, some sports scholarship should be there according to their talent. I think the most important role in this is of parents and society to appreciate the talent of a student and give them a proper investment of time and money. The more the investment, the better the result. I can attest that there is no greater investment than the future of a young athlete. I think that if all these things are implemented in the field of sports, also the result will be



evident not only in the field, but also in life.

"If you believe in it, the mind can achieve it"



Harshit Upadhyay
I B. Tech., Dept. of EE

WIKIPEDIAS OF THE CLASS

Wikipedia is a popular website which gives information on nearly all topics, this much we already know. What will be new, a revelation to you is to know about the wikipedias whom you find in every classroom.

LOCATION IN CLASSROOM

They can be found out sittings on front benches. They hold on to their front places as their most valuable possession. They will give up everything except their places.

HABITS

The wikipedias arrange their bags in the most systematic manner possible. The never miss out a book and to the shock and horror of other students they are the ones who remind the teacher about a homework given or an exam file for the day! They don't want to share their text books or answer copies with other students and the even the most rigorous interrogation cannot make them reveal their answers!

NATURE

They believe in in-depth studies. They make the mentors explore the core of a topic. When rest of the students want a period off from studies they are the ones who launch a protest movement and get the studies done. If a mentor is on leave they still fulfill the set ritual of studies by reading what was remarked for the day.

THEIR UTILITY

The wikipedias and the back benchers are always at cross with each other for their interest clash. But all of a sudden their value increases when exams are approaching. They become the most sought after commodity in school, extracting their notes to prepare for exams requires persuasion abilities of the highest order! They explain you the toughest of exercises but to get that done one has to apply various measures, apology, appreciation of their intelligence and a resolution that one will work hard like them all through the year. The wikipedias are essential for every classroom for they are the captains of a ship who sail it to its safety. The sailors (the back benchers) depend for safety of their lives on the captains.

SUCCESS AND FAILURE

In this modern world everyone wants to be successful. They compete to achieve success. Many obstacles come across the journey to success. Failure is the finest obstacle. People put off their dreams after it. But, I think that failure is the opportunity to begin again, more intelligently. If you are unable to find the way that leads you to success, do not take a wrong path. But I do not want to stop you, just create or find a new path and never go back. The hardwork, dream and craziness, all these things help in attaining the success. There is no shortcut to success.

Many people try for a path which is direct to success. But I think that the only place where success comes before the work is the dictionary. We must try something new if we want to achieve a

greatness. Mistakes are a very good symbol for struggler. Because anyone who has never made a mistake has never tried something new. Self-confidence is a good helping hand for struggler. We must have faith on ourself, because the greatest loss is the loss of self confidence. So, do what you love to do and if you will get success it is a proof for others that they can also achieve it as well.



Deepak Sharma

I B. Tech., Dept. of CS

SWACHH BHARAT ABHIYAAN

Mahatma Gandhi had rightly said, "Sanitation is more important than Independence". He was aware of the pathetic situation of Indian rural people at that time and he emphasized on cleanliness and sanitation as an integral part of living. Unfortunately, we have completed 67 years of independence and we have only about 30% of the rural households with access to toilets.

Emphasizing "Clean India" on August 15, 2014 in Narendra Modi speech, the prime minister said that this movement is associated with the economic activity of the country of the country. The mission for creating a clean India will be launched on October 2, 2014, the birth anniversary of Mahatma Gandhi with the target completing the mission in 2019, the 150th birth anniversary of father of nation.

Modi has directly linked the clean India movement with the economic activity of the nation. Cleanliness is no doubt connected to the tourism and global interests of the country as a whole. Clean India can bring in more tourists, thereby increasing the revenue. Narendra Modi has also directed that separate toilets for boys and girls should be provided in every school in the country by August 15, 2015. The PM has rightly asserted that Swachh Bharat Abhiyan should be combined effort of both the government as well as the people. "We just hope that the Swachh Bharat Mission does not become another Nirmal Bharat Abhiyan"

Swachh Bharat Abhiyan should not be more rebranding exercise.

There is no doubt about the fact the change begins at home. Every citizen of the country should be clean and have hygiene and think of progress rather than waiting for the government to make this plan successful. Let us all pledge to make this mission a success. "Little touch of cleanliness, little hard work of human, help to make earth a better place to live in"



Anshi Agarwal

I B. Tech., Dept. of CS



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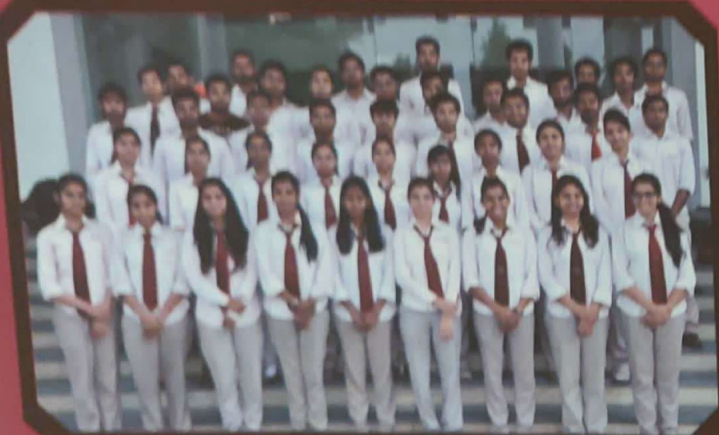
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ELECTRICAL ENGINEERING



MECHANICAL ENGINEERING



CIVIL ENGINEERING



The Girl Who Never Gave Up!!

Little angry, whom she knows
 Little confused, whom she didn't know
 But knows everything about all
 Too cutiest among all
 Knows this but not to tell anyone
 Having any idea about her
 SMILE, when a friend needs
 Support, when someone needs
 But no one knows what is going in her mind
 She always thinks up above the world
 Her dreams is to touch the sky
 But still I am thinking, WHO is she



Utkarsh Dangayach
 II B. Tech., Dept. of CS

The Next Day Would Be Mine

let the drought of word hit my mind,
 let my heart be numb without any sign,
 one day might come when I'll be alone
 because of my bad time,
 that day I'll stand again and day the
 next day would be mine.
 let the darkest storm cut my sail,
 let my mind be trashed and my thoughts curtail,
 one day might come when all my hard work will decline,
 that day I'll stand again and say the next day would be mine.
 let the floods of greed struck the beings,
 let my soul be trapped in the devilish feelings,
 one day will come when that divine ray of hope will shine,
 that day I'll stand again and say the next day would be mine.



Vinayak Sharma
 I B. Tech., Dept. of ECE

Journey at Dawn

Black is the colour of sorrow and pain,
 Black was the colour outside the train,
 The sky above was deep black,
 As the train moved along the railway track,
 The stillness of trees, the silence of seas,
 Through my hair, flowed the cool breeze,
 Suddenly the darkness tore apart,
 A ray of hope touched my heart.
 The chirping birds were welcoming the dawn,
 I hummed their notes, and kept my hopes on.
 Those fleeting moments were beyond my reach,
 I realized how much a small journey can teach.



Neha Sharma
 IV B.Tech, Dept. of ECE

Seasons of SKIT

We celebrate four seasons,
 Where each season has a beautiful reason...
 Summer, winter, autumn, spring,
 They are nature's beauty that is everlasting..
 Each season has a duty to be done,
 With eternal beauty and perpetual fun!!
 The season of new friendship is hard at first,
 beset with hardships ...
 But the good time with friends, full of love and smiles,
 Is the only one that counts
 The season of mid terms and semesters is full of fear,
 Where tensions grow bigger, when we don't study
 throughout the year..
 The season of duties and responsibilities is the fourth one,
 That helps in an all round development,
 But when faced with calamities,
 We come across the sea, where life is full of commitment...
 The four seasons of SKIT
 Are the most enchanting, with their magical spells
 Where we collect the precious shells



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

उड़ान पंिन्दों की

मुकद्दर में लिखा के लाये हैं दब दब भटकना
मौसम कोई भी ले पंिन्दे पनेशान नहीं लेते
जब कभी है सफर इस जल के उस जल
सब साथ मिल एक ही कतार में उड़ान भरते हैं।
चढ़े पाने नहीं देती मजिल तो एक ही डाल पे बैठ जाते हैं
जिन्दगी आसान नहीं होती, ना जाने कब तूफान आ जाते हैं
तूफान उजाड़ देती है वो डाल जिस पर उनका आशियाना होता है
टूट भी जाये पंख अगन उनका खैसला तो बुलंद होता है
तूफानों से जो डर जाये वो तो इंसान होते हैं
पंिन्दों से लड़ मौसम उनकी कलन से अनजान होते हैं
इनकी खैसले भरी उड़ान में एक नयी उमंग होती है
उन दिन ही पेट भरने की एक नयी जंग होती है,
इन्हें ना मोह किसी आशियाने का, ना नवीफ किसी जमाने का
जब भी भरते हैं लम्बी उड़ान नयी मजिल के लिये
बिना कोई बैन सभी एक साथ एक ही राठ चुनते हैं
उन मजिल पे इनका एक नया आशियाना होता है
जिन्हें बिना चाठ एक दिन फिन से छेड़ जाना होता है
नन्हें पंिन्दे की छेदी भी दुनिया के कई अफसराने लेते हैं
कोई भी नवे तो नहीं इनसे जिन्दगी जीने का तनीका
क्योंकि अपनी जिन्दगी के ये बेताज बादशाह होते हैं।



नेल कपूर

वनिष्ठ व्याख्याता, सूचना प्रौद्योगिकी

देश का डवलपमेंट ले नख है

भट्टेंट कभी नकूल जाने से डनता था
आज कोचिंग में भी जगठ नहीं है
कभी मैट्रिक्स पान कनने का सपना था
आज इंजीनियरिंग तो आम बात ले गई
साक्षरता का स्तर बढ़ नख है। देश का डवलपमेंट ले नख है।
बहुत चक्कर लगाये पृथ्वी पर, अब मंगल का सफर शुरू ले नख है
पानी के लिए पृथ्वी पर मानामानी
चन्द्रमा पर पानी नवीज निकाला
कुछ नया कनने का सपना आ नख है।
देश का डवलपमेंट ले नख है।
जब अंग्रेजों का कब्जा था भारत पर
आजादी तुम्हें देते नवून नेताजी को अगन तुम देते
है मुद्दे नवान तौर से मठगाई और बेनोजगानी के
लेंगे मुक्त तुम उनसे वीट मोदीजी को अगन तुम दोबो
अच्छे दिन का सपना आ नख है। देश का डवलपमेंट ले नख है।



जितेन्द्र मिश्र नाट्य

द्वितीय वर्ष, निरविल अभियांत्रिकी

संगीत में नवनों का जन्म

संगीत शब्द नाम+गीत को मिलकर बना है। जिसका मतलब जो गीत लगभग
तालबद्ध एवं सुनीला हो। संगीत काफी जगठ है हमारा ब्रह्म (सुन) और फिन का
धड़कना (ताल/लय) है। जिस प्रकार हम ब्रह्म को आधा या एक मिनट के लिए
नोक सकते हैं लेकिन धड़कन को नहीं इसलिए ताल (धड़कन) को संगीत में
प्रधानता प्राप्त है, लेकिन यदि किसी गायक को लोगों तक अपनी बात संगीत में
माध्यम से पहुंचानी है तो सुन जितना सटीक होगा उतना ही कलकल होगा और
आत्मा तक पहुंचेगा। सुन व ताल का जन्म एक साथ माना गया है। इस लेख के
माध्यम से मैं 'नवन' की उत्पत्ति समझाने की कोशिश करूँगा। अमूर्त भावनाओं
को मूर्त रूप देने के लिए हमें किसी भौतिक माध्यम की आवश्यकता होती है, य
होगा। जर्मन दार्शनिक हीगेल के अनुसार "शब्द हमारी आत्मा के सबसे प्रिय
हैं" शब्दों के आदान-प्रदान के लिए ध्वनि ही एक मात्र माध्यम है। ध्वनि में जो न
होता है वही से संगीत का जन्म होता है। भारतीय शास्त्रीय संगीत में ध्वनि का
जन्म ऊँ = (अउम् = अकान, उकान, म्कान) से माना गया है। यही से 'नाद' का
जन्म होता है। नाद ध्वनि के प्रकारों को कल जाता है। यदनाद 22-प्रकार के होते हैं।
नाद से ही 'नवन' एवं 'श्रुति' की उत्पत्ति मानी जाती है। संगीत उपयोगी नाद से
नवन कहते हैं। 'नवन' एवं 'श्रुति' जब किसी वस्तु से उत्पन्न कम्पन या अदृश्य
आंदोलन स्थिर हो तब वदनाद या ध्वनि 'नवन' कहलाती है। जब ये अनिश्चित व
कोलाहल या शोरगुल बन जाता है। अतः स्थिर अवृत्ति एवं स्थिर आंदोलन व
नाद ही भारतीय शास्त्रीय या उपशास्त्रीय या पाश्चात्य संगीत में स्थापित कि
गये हैं। जब आंदोलन को दुगुना कर दिया जाए तो नवन भी दुगुना उमर ले लेंगे,
लेकिन कम्पन वही रहनी चाहिए। इसी प्रकार निचले नवन से दुगुने आंदोलन 22
जगठ शास्त्रीय संगीत में उपयोगी इन्हीं को श्रुतियाँ कहते हैं। दैनिक जीवन में
'नवन' या 'सुन' शब्द जब हम सुनते हैं तब निर्फ (सा, रे, ग, म, प, ध, नि) कले
दिमाग में आता है। ये और कुछ नहीं श्रुति के स्थापित नाम हैं। इन्हें हम इस स
से और आत्मानि से समझ सकते हैं। कुछ विद्वानों ने इसे प्राकृतिक, प्रायोगिक
और गोलिक रूप से भी सिद्ध किया है:-

| नवन/ श्रुति | पूरा नाम | आवर्तन | कुछ और जानकारी |
|-----------------------|----------|---------------------|---|
| "सा" श्रुति क्र-6 | "षड्ज" | 240 Hz | मोन की आवाज, बुध राठ एवं ले रेग का प्रभाव |
| "रे" श्रुति क्र-7 | "ऋषभ" | 270 Hz सा ग 9/8 | चकवा की आवाज मंगल राठ एवं लाल रेग का प्रभाव |
| "ग" श्रुति क्र-9 | "गंधार" | 300 Hz सा ग 5/4 | बकरी की आवाज सून एवं सुनले रेग का प्रभाव |
| "म" श्रुति क्र-13 | "मध्यम" | 320 Hz सा ग 4/3 | सानस की आवाज चन्द्रमा एवं सफेद रेग का प्रभाव |
| "प" श्रुति क्र-17 | "पञ्चम" | 360 Hz सा ग 3/2 | कोयल की आवाज शनि एवं नीले रेग का प्रभाव |
| "ध" श्रुति क्र-20 | "धैवत" | 400 Hz सा ग 5/3 | सर्प की आवाज, ब्रह्मपति एवं पीले रेग का प्रभाव |
| "नि" श्रुति क्र-22 | "निषाद" | 450 Hz सा ग 15/8 | खड़ी की आवाज शुक्र एवं बलुंगी प्रकृति |



विनय काडल

द्वितीय वर्ष, विद्युत व संचान अभियांत्रिकी

एन.के.आई.टी. महिमा

एन.के.आई.टी कॉलेज संस्था नामनगनिया गाँव में
जगतपुरा है क्षेत्र बड़ा तत्कालीन माँगानेन में
जयपुर जिले के अन्तर्गत है राज्य राजस्थान में
नाम बड़ा इन्फो का अच्छे है मेने आने प्रान्त में
शिक्षा पाने बच्चे आते यू.पी. और बंगाल से
उत्तारप्रदेश और छत्तीसगढ़ आते है सब प्रान्त से
टी.सी.एन. और इन्फोसिस ठन साल कम्पनी आती है।
चयन कने बच्चों को आकर इन सबको जोब दिलाती है।

एम.बी.ए. मेकेनिकल और फॉर्मेशन ब्रॉन्च है।

एम.टेक, बी.टेक यहाँ पन और कई ब्रॉन्च है
नयनों से मैंने देखा है कॉलेज बहुत ही अच्छे है
बड़ा समशील स्थान यहाँ स्टॉफ बहुत ही अच्छे है
उन जगह लॉन है ठनी भनी वृक्षों की शोभा प्यानी है
दो गेट बने न्याये-न्याये भवनों की शोभा न्यानी है
स्वच्छ कविता लिखता हूँ गलती पन ध्यान नहीं देनाजी
जैसा देखा है सा कल त्रुटि पन ध्यान मत देनाजी।



सुनेश चन्द मीणा
एनकेआईटी

पठन

अपना एक ऐसा भी मेरा, जब मैं लायक बन जाऊ
कौटुम्बिक दिशाएँ जिनकी, एक राह उनको दिनबलाऊ
मन का कौना पड़ा था सूना, पठन हुई फिन इनमें कैसी
समय ने किया है जादु-टोना, उम्मीद जगादी मुझमें ऐसी
कुछ करना और बढ़ते चला, ये उमूल अब बना लिया
नहीं सुनता अब जिनको कोई, उनको अपना बना लिया
बिन साये माँ-बाप के छे गए जो अनाथ
बुढ़ापे में संतान ने छोड़ दिया खुँ साथ
लाचारी, गनीबी ने जीते-जी जिनको तोड़ा
आश्रय देने के बजाय समाज ने क्युँ मुँह मोड़ा
अमर्थ, धनी लोग इन बात को समझ जाएं
अमर्थता तभी है जब हम उनके लिए कुछ कर पाएँ
अब मिल एक अलग बनकर जीवन उनका मनल बनाएँ
उम्मीद है, अपने स्तन की एक पल मैं भी कर पाऊँगा
मेवार्थ खुशखली सम्मानित जीवन की सौगात दे जाऊँगा.....



उदय भानू सिंह निवर्ची
द्वितीय वर्ष, सिविल अभियांत्रिकी

अमली हिन्दुतां

समनों लट्ठाये जैने, भू की आंचल लट्ठाती है
कोयल की इक कूक यहाँ, उल्फत की लट्ठा जगाती है
आवन बनने निमज्जिम-निमज्जिम, धनती की प्यास बुझाने को
यह छे ऐसा देश जहाँ, धनती भी पूजी जाती है।
नदियों की कलकल धारा, बिन ढेप ही प्यास बुझाती है
भरद ठवा बलने मौसम की, जैने तन को मल्लाती है
जीवन यहाँ खुश गंग लगे, ठन ऋतु की प्रीत को पाने से
यह छे ऐसा देश जहाँ, मीना बन प्रियाम को गाती है।
मुनकाती कलियां जैने, धनती को प्यास जताती है
मां को नींद न आती है, जब बेटे को नींद न आती है
तानों की झिलमिल चाहे, आनत की मांग सजाने को
यह छे ऐसा देश जहाँ, घूँघट चांद को छिपाती है।
छनछन कनती पायल जैने, आंगन में प्रीत जगाती है
घन की लक्ष्मी बेटे जो, घन-घन में पूजी जाती है
धनती भी खुद धन्य समझाती, इस देश को गोद में पाने से
यह छे ऐसा देश जहाँ, झाँसी तलवार उठाती है।



यशपाल सिंह
तृतीय वर्ष, इलेक्ट्रॉनिक्स एवं संचान अभियांत्रिकी

एकता

आकाश को छूने की कोशिश करो,
उत्साहित ठेकर बढ़ने की कोशिश करो।
मनोबल बढ़ाने की कोशिश करो,
उन मुश्किल से लड़ने की कोशिश करो।
मिल जुल कर सबसे चला, तुम नवो ठमेशा एकता।
मधुमक्खी और चिड़िया, मित्रवाती हमको एकता।
दुश्मन नाठे आसमान बने, चाहे मानुष या देवता।
लगा लगन मेहनत जो करता, मजिल पन वठ पहुँचता।
कर्मवीर बन बढ़े अगादी आगे अपना कदम नवो,
साहस ना ठनो कभी, ठिम्मत कर के कदम नवो।
लालच और लालसा त्यागो, संतोष धैर्य अपनाओ।
जीवन अपना धन्य समझ के, मानवता को अपनाओ।
ये मनुष्य देह जो मिली ठमै, कर्तव्य तो इसका समझो ठम।
पशु मानव में अन्तर है क्या, इस मतलब को समझो ठम।
भद्रबुद्धि से सब कार्य करो, ठन बात विचारने सोचो ठम।
यह उचित काम अनुचित है, कनजीन ठमेशा सोचो ठम।
नहीं नाठ करके ना पछतायें, मजिल पन जाकर करके ठम।
पनक्ति का सबक ध्यान भद्र, ठम समय देव झुक जाते है।



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मैस संचालक कार्यकर्ता

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