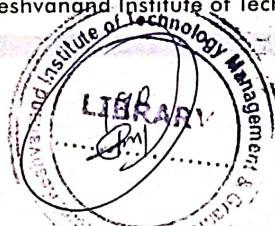




THE SKIT TIMES

(A Quarterly Bulletin of Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur)

ISSUE 20 | AUTUMN 2010



EDITOR'S NOTE

Dear Reader

Do you remember a time when you had a big and lofty dream? Maybe you wanted to be a movie star in art house films, an organ transplant doctor, a world-class athlete or a famous scientist. Perhaps you dreamt of crossing the ocean in a sailboat or chiseling sculpture out of mountain rock. You talked about it with your every acquaintance and most distant relation whenever you had the opportunity. But slowly you drifted away from your passion. You got distracted. Your friends enticed you into joining their parade. You were no longer in rhythm with who you are. The law of momentum in physics says that a body in motion tends to remain in motion until an outside force acts upon it. The outside force in this case was distraction. Your friends or family members acted upon you by overtly discouraging you or by encouraging you to follow a more "sensible" path. So you stopped practising, stopped realizing your dream, stopped working towards your highest ambition. All those distractions and "sensible" decisions competed for your attention. Your grand dream gradually became just a footnote in the history of your life.

Regretting about the past is of no use. Similarly it is futile to put things off for a later date. The time to live your dream is now! When you have a worthy goal, you have to apply the law of critical success to your life. This suggests that you should always be doing something that moves you closer to your goal. Theodore Roosevelt said, "The credit belongs to the man who is actually in the arena; whose face is marred by dust and sweat and blood; who strives valiantly; who errs and comes short again and again; who knows the great enthusiasm, the great devotions, and spends himself in a worthy cause; who at the best knows in the end the triumph of high achievement; and who at the worst, if he fails, at least fails while daring greatly." Be true to yourself which suggests that you do what matters most to you, regardless of what other are engaged in. Our deeds and achievements are the only yardsticks we can use to measure our integrity and the only evidence we can use to judge whether we have been true to ourselves.

Let us put the law of momentum into action. Distractions shift you off-course or slow you down; actions accelerate you forward along your chosen course. Every action strengthens you to take another. You will liberate yourself from guilt and self-pity. You will become the envy of the world. Life is like a bicycle. The moment we stop pedaling, we start losing momentum. If we coast for too long, we fall. Resolve to press on in spite of all your distractions. Have a vision, identify your distractions and move away from them. By doing so, you will become effective rather than merely efficient. Being effective means doing the right things, while being efficient means doing things right. It's nice to be efficient, but it doesn't do you any good if you're not doing the things that will move you toward your dream. Focus first on being effective; let efficiency come as it may. Secondly, write the word **MOMENTUM** in big letters and hang it somewhere that you will see it often. Do something daily that will bring you closer to your goal. Thirdly, make a public commitment by asking your friends-those who are positive and encouraging-to hold you accountable. Talk about your dream with them to begin edging it into the world. Speak of it as something that you are doing, not something that you think about doing. Finally, learn all you can about the lore of your passion.

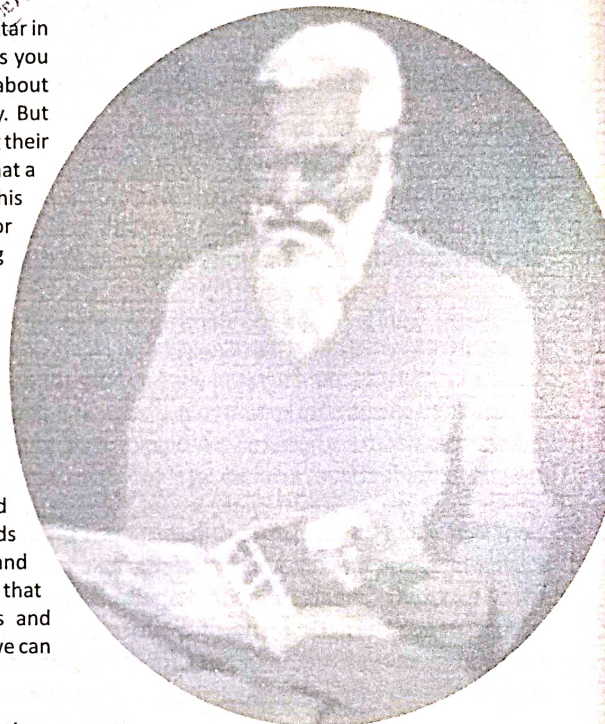
Live your finest ambition. You probably won't find any assistance when you begin. You will find people in multitude once you are there. So be true to yourself. Honesty is the iron string that vibrates within every heart. Let results be the measure of your integrity. Work hard at it. Do more than is expected, more than is common. Keep the momentum going! Lincoln once said, "Far better it is to dare mighty things, to win glorious triumphs, though checkered by failure, than to rank with those poor spirits who neither enjoy nor suffer much, because they live in the gray twilight that knows neither victory nor defeat."

I wish you incredible success!

Niraja Saraswat

Niraja Saraswat
Editor-in-Chief

OUR MENTOR & PATH FINDER



Swami Keshvanand Ji
(1883 - 1972)

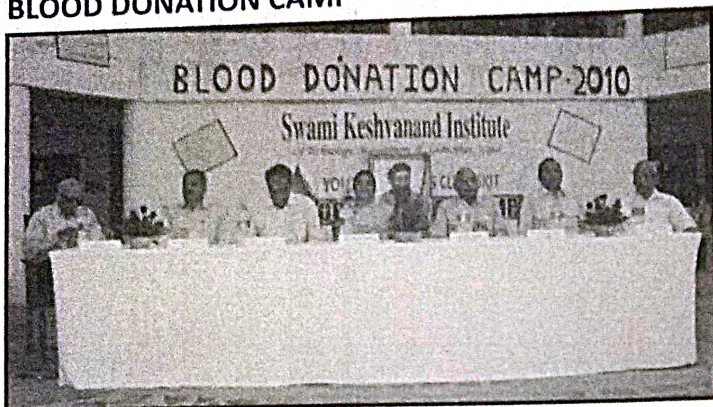
VISION

"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".

MISSION

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

BLOOD DONATION CAMP



SKIT has always been in the forefront to render its contribution for the welfare of humanity. In the same spirit, a blood donation camp was organized for another consecutive year on October 1, 2010. It was held in collaboration with Lions Club, Jaipur, Janana Hospital, Jaipur and Santokba Durlabhji Memorial Hospital, Jaipur.

Dr. Shashi Gupta, Superintendent, Janana Hospital was the Chief Guest of the occasion. She stressed on the importance of blood donation. She also shed light on the growing awareness against the misconceptions about blood donation. Chairman Mr. S.R. Meel, in his welcome address, assured the dignitaries that SKIT students will remain in the forefront in all societal concerns. Mr. B.M. Bhargava, a senior urologist of SDMH spoke about the unity prevailing among Jaipurites in the wake of the bomb blasts. He also asserted that conservation of life is the prime responsibility of all human beings. Mr. J.C. Gupta, Joint Director, Rajasthan AIDS Control Society emphasized that Government, hospitals and educational institutions should work together for the noble mission of blood donation.

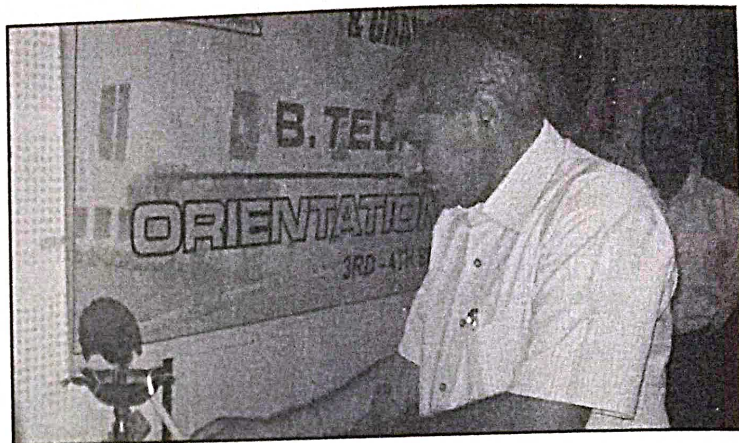
The speakers also complimented the management and the students for their noble initiative. Prof. Banthia (Head, Mechanical Engineering) proposed a vote of thanks and wished the programme a great success. During the camp, a hefty number of 350 students willingly participated in the benevolent drive of blood donation. The camp concluded with honouring the guests with a shawl and memento and gifts to the blood donors.

ORIENTATION OF B. TECH. I YEAR STUDENTS

The regular academic session for the B.Tech. I year students has started on September 3, 2010 as all the seats were filled in the very first phase of the counseling conducted by Rajasthan Technical University, Kota. In order to acquaint the batch of B.Tech. (2010-2014) with the institution, a two day orientation programme was organized on September 2-3, 2010.

On the first day, the seniors welcomed the first year students on the SKIT Campus by performing *Tilak* Ceremony. This was followed by an orientation programme in which teachers, seniors acquainted the new comers with multifarious culture of SKIT and disciplined educational environment. The programme was marked by the presence of dignitaries, faculty members and aspiring engineers. On the occasion, Mr. K.R. Bagaria (Director) highlighted the

significance of discipline for the overall growth of an individual. Prof. (Dr.) S.L. Surana (Director Academics) talked about the indispensable role of SCIENCE and urged the students to utilize most of their time by engaging in fruitful activities during their stay at SKIT. Prof. M.L. Bhargava (Head, T&P Cell) urged the students to be innovative and to think beyond the horizon of "Commoner's Approach". He also encouraged the students to seek "WHY" in their lives. Prof. (Dr.) Archana Saxena (Head, BS&H) informed the students about the principles and values of the institution and asked the budding engineers not to falter in their pursuits.



The second day of the programme concluded with the mesmerizing speeches of senior students. They narrated their experiences and motivated the entrants to be a part of every activity in order to enhance their skill and creativity. The two day orientation ceremony ended with the distribution of delectable refreshments.

RECRUITMENT DRIVES

- Indian Army conducted a closed recruitment drive for the 2011 and 2012 batch of students of SKIT. 47 Students have been selected for SSB interviews. The final result will be announced later.
- Wipro BPO (a division of Wipro LTD.) conducted a closed recruitment drive for the students of 2010 Batch. The representatives of Wipro BPO presented the profile of the company and informed the participants about the offerings and expectations of the company. Finally 20 students were selected.
- Infogain conducted a closed recruitment drive for the students of 2011 batch. 19 students were selected.
- TCS conducted an open recruitment drive for the students of 2010 batch. 37 students were selected. It is noteworthy to mention that earlier 57 students of 2010 batch were selected in the closed campus drive.

WORKSHOP ON "EXPECTATIONS OF IT INDUSTRY FROM FRESH ENGINEERS"

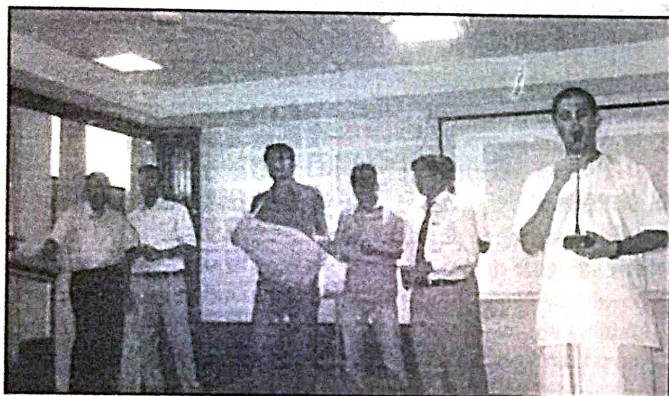
Mr. Rajat Sikka, Training and Consultant Manager, TCS interacted with the final year students on October 5, 2010 and acquainted them with the expectations of IT industry. He also apprised them about the significance of soft skills.

IMAGES : A NOVEL INITIATIVE

Dept. of English formed a new club IMAGES to impart English language skills to First Year Hindi Medium Students. The ambitious syllabus encapsulates reading, writing, listening and speaking modules with the help of audio visual resources.

SESSIONS ON ENHANCING SPIRITUAL AWAKENING

In order to minimize stress and foster positivity amongst engineers and professionals, the Spiritual Society, SKIT, in collaboration with



BIGGYAN has started to organize special seminars on every Wednesday from the month of September, 2010. Mr. Dharmesh Sharma, an associate of Hare Krishna Movement, delivers his lectures on the teachings of Shrimad Bhagwad Gita. Through his teachings, he tries to obliterate the misconceptions prevailing about the existence of GOD. Every session concludes with the chanting of *Vedic Mantras* and distribution of *Prasadam*. The session is coordinated by Dr. Sharda Soni (President, Spiritual Club) and Prof. (Dr.) C.M. Choudhary (Principal Coordinator, Wednesday Activity).

TREE PLANTATION CAMPAIGN

On 23 September, 2010 a tree plantation campaign was organized by Eco Friends Club to instill awareness about environmental



degradation and motivate the student community towards the conservation of environment. The programme witnessed the

gracious presence of Prof. (Dr.) S.L. Surana (Director, Academics), Mrs. Rachna Meel (Registrar) and Lt. Gen. (Retd.) Y.S. Panwar (Advisor). On this occasion, around 250 saplings were planted in and outside the campus.

INDEPENDENCE DAY CELEBRATION

The Institute celebrated the 65th Independence Day with great fervour and zeal in an atmosphere of patriotism and veneration for freedom fighters. The celebration began with Tricolor hoisting by the chief guest Mr. S. R. Meel, Chairman, SKIT, Jaipur.

In his address, Mr. Meel reminded the audience of the sacrifice made by our freedom fighters during the struggle for Independence. He also encouraged the students to involve themselves in social activities to build a strong and developed India.

Vice chairman, Mr. Anil Bafna, talked about the Indian culture and tradition. He asserted that India has a rich cultural diversity which should be guarded and preserved by us.

Director of Academics, Prof. (Dr.) S.L. Surana, in a short and meaningful speech, drove home the significance of contribution towards society. He emphasized that the twin virtues of integrity and responsibility should always be of prime concern to every individual.

Dr. N. K. Banthia proposed a vote of thanks to the guests and speakers and cited some excerpts of the famous speech of Pt. Jawahar Lal Nehru- *Tryst with Destiny*.

The celebration was culminated in a cultural programme put up by students in the eulogy of freedom fighters and ended with the distribution of sweets to all.

TEACHER'S DAY CELEBRATION

Dept. of Mechanical Engineering celebrated the Teacher's Day with great enthusiasm. The celebration witnessed the benign presence of Mr. Dharmesh Sharma as Chief Guest, Prof. (Dr.) S.L. Surana (Director Academics), Prof. (Dr.) N.K. Banthia and other faculty members. In a thoughtful address to the students, Mr. Sharma told the young minds about their duties towards their teachers and paid stress on the "Guru - Shishya Parampara". Faculty members appreciated the efforts of the students in carrying out the programme efficiently.

RAJIV GANDHI AKSHAY URJA DIWAS CELEBRATION

On August 20, 2010, Renewable Energy Club organized a paper presentation competition in which students came up with multifaceted themes based on energy conservation and its judicious utilization.

The winners were:

1. Anang Sharma (III, B.Tech., ME)
2. Dinesh Ram Singh (IV, B.Tech., ME)
3. Khushboo Garg (III, B.Tech., ME)

CAMPUS BUZZ

MR. SINGH'S DISCOURSE

Mr. Sandeep Singh of ICICI Lombard delivered a lecture on "INTRODUCTION TO MARKETING" on May 6, 2010 to the students of Department of Management Studies. He enumerated the ways to understand and analyze the growth pattern as well as decline period of the market and suggested ways to execute plans by making efficient strategies.

LEARNING SESSION ON "IMPORTANCE OF SKILLSET"

Mr. Gaurav Maheshwari, Training Manager, Maverick Business Solutions interacted with the students of MBA on September 9, 2010 and emphasized the habit of developing entrepreneurial behaviour so that the Job Seeking Scenario can be phased out and Job Creating Move can arrive.

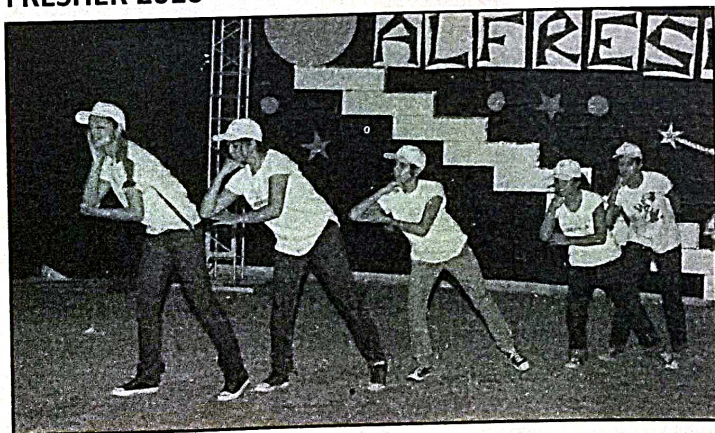
NATIONAL SEMINAR ON EMERGING BUSINESS TRENDS IN INDIA

Department of Management Studies, SKIT, organized a three day seminar on "EMERGING BUSINESS TRENDS IN INDIA" from 25-10-2010 to 27-10-2010. The sole objective of the seminar was to create awareness about the business trends and opportunities available in present scenario. It also facilitated an update on Special Economic Zone and the status of business relations with other countries. The seminar brought together a distinguished panel of speakers including academicians from renowned business schools, management thinkers to share their insights and hindsights. Various research papers were also presented about the relevance and several dimensions of the issue.

CARVING THE NICHE IN SPORTS

The table tennis team of SKIT won the Daksha Tournament'2010 held at Balaji Group of Institutions, Jaipur. The team comprised of Yathartha Raizada, Ummed Choudhary, Ashish Jain and Rajiv Swami.

FRESHER 2010



A fresher party ALFRESCO was organized on 9th October second year students to welcome the 1st year students amidst much fanfare. The cultural programme put up by students was comprised of film songs and dances, folk songs and dances and various hilarious and entertaining skits.

WORKSHOP ORGANIZED

The students performed magnificently at the IBM certification exams held at SKIT Campus in August, 2010. Around 47 students were certified in DB2 Technology.

WELCOME ARRIVAL

We extend a hearty welcome to all the faculty members who have joined us during the current academic session. We wish them a bright career and a rewarding stay at SKIT.

■ DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

- | | |
|-----------------------------|--------------------------|
| 1. Mr. Chandan Tripathi (L) | 4. Ms. Suman Kunwar (L) |
| 2. Ms. Ankita Sharma (L) | 5. Ms. Vandana Gupta (L) |
| 3. Mr. Girish Sharma (L) | |

■ DEPARTMENT OF ELECTRICAL ENGINEERING

1. Mrs. Neeraj Kanwar (Reader):
Mrs. Kanwar completed her M.Tech from MNIT, Jaipur in Power Systems. Her research area has been "Transient stability improvement by using shunt FACTS devices". She has more than 5 years of experience in organizations of repute.
2. Ms. Smriti Jain (SL)
3. Mrs. Rida Qureshi (L)
4. Mr. Niranjan Kumar (L)
5. Ms. Preeti Chawda (L)
6. Mr. Navneet Kumar (L)

■ DEPARTMENT OF MECHANICAL ENGINEERING

1. Mr. Sandeep Gupta (Reader):
Mr. Gupta pursued his B.E. from C.R. State College of Engineering, Murthal in 1996. He has a vast experience of 14 years.
2. Mr. Deepak Agarwal (Reader):
Mr. Agarwal holds a Masters Degree from IIT, Kanpur. He has an extensive experience of over 11 years in teaching as well as in industry.
3. Mr. Vikas Sharma (SL)
4. Ms. Monika Khurana (L)
5. Mr. Saurabh Sharma (L)
6. Mr. Sandeep Pareek (L)
7. Mr. Nimit Patel (L)
8. Mr. Viwek Mertiya (L)

■ DEPARTMENT OF ELECTRONICS & COMMUNICATION

- | | |
|----------------------------|------------------------------|
| 1. Mr. Mukesh Kumar (L) | 7. Mr. Prabhoo Dayal Jat (L) |
| 2. Ms. Alpa Choudhary (L) | 8. Ms. Rajni Idwal (L) |
| 3. Ms. Jyoti Mahawar (L) | 9. Mr. Kalpataru Sharma (L) |
| 4. Ms. Smita Prajapati (L) | 10. Ms. Lalita Verma (L) |
| 5. Mr. Ajay Singh Gour (L) | 11. Ms. Shweta Sharma (L) |
| 6. Ms. Sakshi Pareek (L) | 12. Ms. Manini Gaur (L) |

■ DEPARTMENT OF ENGLISH

1. Mr. I.B. Abrol (Reader):
Mr. Abrol completed his M.A. from Delhi University. He has 40 years of teaching experience. He has served at Dayanand Anglo Vedic College, Ajmer as head of English Department. He has also provided his services in prominent colleges of Rajasthan as a guest faculty.
2. Mrs. Nidhi Sharma (SL)

■ DEPARTMENT OF CHEMISTRY

1. Mr. Ajay Sharma (L)
2. Mr. Anurag Sharma (L)

■ DEPARTMENT OF MATHEMATICS

1. Mr. Jaiprakash Narain (SL)

■ DEPARTMENT OF PHYSICS

1. Mr. Praveen Kumar Jain (Reader):
Mr. Jain completed his M.Tech. in 2010 from IIT, Roorkee. His research area has been using nanotechnology with fabricated electronic devices.

2. Ms. Vinika Manglani (L)
2. Mr. Vivek Kumar Jain (L)

■ DEPARTMENT OF MANAGEMENT STUDIES

1. Mrs. Savita Choudhary (L)

FACULTY DEVELOPMENT PROGRAMME

A faculty development programme was organized by WIPRO Ltd. in July, 2010 for enhancing the teaching skills. It focused on using audio visual aids to arouse the interest of the students in the pedagogical activity.

SKIT SAE INDIA COLLEGIATE CLUB

To develop an insight in the field of automotive and engine design with the latest technology, a new club has been initiated. The club organized a workshop on 20-21 Oct., 2010. The Trainers Mr. Anshuman Mohanty and Mr. Vishal Lakra both from Emanaginer India, Pune oriented students with the ongoing changes and recent trends. Almost 76 students participated in the workshop.

RESEARCH PAPERS PUBLISHED

- **Title:** Swift heavy ion induced effects at Mo/Si interface and silicide formation
Published : Journal of Surface and Interface Analysis, Vol. 41, Issue 9, 746-752
Author : Prof. (Dr.) R. K. Jain (Dept. of Physics)
- **Title:** Thermodynamics and stability of Binary complexes of Co^{2+} , Ni^{2+} , Cu^{2+} and Zn^{2+} with 2,5 Diamino Pentanoic Acid
Published : Oriental Journal of Chemistry, Vol: 26(2), 2010
Author : Dr. Sharda Soni (Sr. Lecturer, Dept. of Chemistry)
- **Title:** A novel dual frequency S- Band rectangular microstrip antenna for radar and space communication
Published : Journal of Theoretical and Applied Information Technology
Author : Mr. Brajraj Sharma, (Sr. Lecturer, Dept. of Physics)
- **Title:** Bianchi Type I stiff fluid tilted cosmological models with bulk viscosity in general relativity.
Published : Fizika - B 19 (2010) 2, 91- 102
Author : Dr. Pramila Kumawat (Sr. Lecturer, Dept. of Mathematics)
- **Title:** Some Bianchi Type IX stiff fluid tilted cosmological models with bulk viscosity in general relativity.
Published : Electronic Journal of Theoretical Physics,

7, No. 24(2010) 1-12

Author : Dr. Pramila Kumawat (Sr. Lecturer, Dept. of Mathematics)

- **Title :** Reduction of Indium(III) at dropping mercury electrode in the presence of pyridine in aqueous and ethanol water media
Published : Collection of Czech Chemistry Communiqué 2010, Vol-75, No.6, 653-663
Author : Dr. Vinita Sharma (Reader, Dept. of Chemistry)
- **Title :** A new generalization of the Bernoulli and related polynomials
Published : Russian Journal of Mathematical Physics (Springer) Vol. 17, 2010, 251-261
Author : Sangeeta Gupta (Sr. Lecturer, Dept. of Mathematics)

RESEARCH PAPERS PRESENTED

- Title :** On Dissipative radiative MHD boundary layer flow in a porous medium over a non isothermal stretching sheet.
- Seminar :** National Seminar on Recent Developments in Fluid Dynamics and 14th Prof. P.D. Verma Memorial Lecture.
- Date :** August 7-8, 2010
- Venue :** Dept. of Mathematics, University of Rajasthan, Jaipur
- Author :** Nupur Srivastava (Sr. Lecturer, Dept. of Mathematics)

SEMINAR/ WORKSHOP/ CONFERENCE ATTENDED

- Workshop :** International Workshop on Recent Advances in Computational Fluid Dynamics
- Venue :** Indian Institute of Technology, Guwahati
- Attended by :** Nupur Srivastava (Sr. Lecturer, Dept. of Mathematics)

Ph.D. THESIS SUBMITTED

- Mrs. Nidhi Sharma, Sr. Lecturer, Dept. of English submitted her thesis on "The Political Novel in India: Reshaping the Nation Spaces" on 12th August 2010 under the supervision of Dr. Mini Nanda, Associate Professor, University of Rajasthan.
- Mrs. Shweta Rathi, Lecturer, Dept. of English submitted her thesis on "The Enduring Cross of Kamala Markandeya : The hiatus between the ideal and the actual (A study of Kamala Markandeya's tragic vision) on 29th March 2010 under the supervision of Dr. Anil Pathak, former Head, Dept. of English, former Director, UGC ASC, former Dean, faculty of Arts and Social Sciences.

SPONSORSHIPS

- Mrs. Seema Sethia, Reader, Dept. of Electronics and Communication Engineering was sponsored under QIP for pursuing M.Tech. at IIT Delhi.
- Mr. Saurabh Ranjan Srivastava was sponsored for pursuing M.Tech. in Computer Science at Malviya National Institute of Technology, Jaipur.

MEMOIR

FOUR YEARS OF COLLEGE LIFE

"Life is beautiful...College days are even more beautiful....They are the very essence of life"

Now when it is my last year in this institution, this is what I can say of my college days. The joy and the sweet memories associated with it are far beyond my words of expression. After a few months all these wonderful days will end. But as it is said everything has an end and hence I am trying to prepare myself.

Looking back to the day when I joined this institution, all thrilled expecting a new life, and now carrying the sweet fragrance of fallen blossoms of college days in my heart, I can recollect almost everything....Right from learning the "C" Concepts to "SPT" with its logic, "DSA" with its link list, "Physics" with its proportions, "COMPILER" with its complexities. More than the day after day of humdrum monotony and coming bleary eyed to college, I remember the many exciting moments, I spent at SKIT in the company of friends and teachers on excursions and during competitions.

Being an indispensable part of every college activities whether it is PRAVAH, acting as the Editor of the numerous college publications; VP, Secretary of different clubs, becoming the cynosure of every eye ranging from teachers to my juniors has always given me an innate sense of satisfaction and confidence. A life filled with hopes, dreams, confusions, tension, happiness and sadness. A beautiful world painted with colours of both success and failure. An altogether eventful chapter is coming to a close. How can I forget the love and care of my teachers, their claps at my victory, smiles at my achievements, scoldings at my mistakes - those special moments set aside to walk and listen, their encouragement till the end....Those happy and sad moments I will treasure in my heart till the end.

All those expressions of love still echo in my ears, their smiles like candles in the night. The playground of my success and failure is my institution, my third home where I have spent four wonderful years of my life.

Au Revoir, Aufwiedersehen. Till we meet again.....

Akshay Jain
B. Tech., IV, Department of CS

A year from now,
When you look back at today,
You'll see that the problem,
You're so concerned with right now,
Was another valuable lesson
waiting to be learned?

A SON AWAY FROM HIS MOTHER

Many things I want to say to her
Many things I need to hear from her
Many experiences of the day, I want to share with her
I want to go to her
Yes, I want to remain in her arms for whole of the day
Not only because I like her the most
But even because she can't live without me
What if I become a successful man
What if I become a millionaire
What if I turn out to be a failure
Or What if I become a beggar in life
I know, I will remain the same loved child for her
I will tell her all the things of my heart
I will share all the experience of day
And many more things I haven't even thought of
But when I talked to her she asked me if I was happy
I had nothing to tell her
I am left with tears in my eyes.....

Akash Pamecha
B. Tech. I, ECE

THINGS WORK OUT...

Because it rains when we wish it would not
Because men do what they often wouldn't
Because crops fail and plans go wrong
Some of us grumble all day long
But someone inspite of the care and doubt
It seems at last that things work out
Because we loose where we hope to gain
Because we suffer a little pain
Because we must work when we would like to play
Some of us whimper along the life's way
But somehow as day always follows the night
Most of our troubles work out alright
Because we cannot forever smile
Because we must trudge in the dust a while
Because we think that the way is long
Some of us whimper that life is all wrong
But somehow we live and our sky goes bright and
everything seems to work out alright
So face your troubles and prove your metier
For the clouds must break and the sun grow fair
Let the rain come down as it must and will
But keep on working and hoping
Still for inspite of the grumbles who stand about
Somehow it seems all things work out

Stuti Parikh
B.Tech., III, IT

ETHICS AND TRADITIONAL VALUE SYSTEM OF INDIA

In ancient Indian tradition, people have always valued mountains, rivers, forests, trees and several animals. Thus, the nature was venerated and protected. Forests have been associated with the names of forest gods and goddesses, both in the Hindu religion as well as in tribal culture. "Tree" goddesses have been associated with specific plant species. The peepal tree, is venerated and is not allowed to be cut down. The banyan tree in some regions, such as Maharashtra, is venerated by tying a thread around it as a symbol of respect.

Patches of forests now called 'sacred groves' have been dedicated to a deity in many Indian cultures especially in tribal areas. These traditionally protected forest patches depict the true nature of undisturbed vegetation and have a large number of indigenous plant species as their exploitation has been controlled through the sentiments of natives.

Certain species of trees have been protected as they are valued for their fruits or flowers. The mango tree is protected for its fruits around most farms even when wood becomes scarce. The Mahua tree (*Madhuca indica*) is protected by tribal people as it provides edible flowers, oil from its seeds and is used to make potent alcohol. Many plants, shrubs and herbs are used in Indian medicines, which were once available in plenty. These are now rapidly vanishing. Many species of animals are venerated as being the 'vahan' or vehicle of different gods on which they are said to travel through the cosmos.

In Indian mythology, the elephant is associated with Ganesha. The elephant-headed Ganesha is also linked to rat. Vishnu is associated with the eagle. Rama is linked to monkeys. In mythology, Surya, rides a horse and has a superb chariot on which he moves through the sky. The lion is with Shiva and Vishnu, the swan with Saraswati. Vishnu's incarnations have been represented as taking various animal forms which serially include a fish, a tortoise, a boar and a dwarf, and a half-man half-lion form.

The associations to various plants that have been given a religious significance include tulsi, which is linked to Lakshmi and Krishna. The tulsi plant is also linked to the worship of one's own ancestors. Several trees are associated with the goddess Lakshmi, including Amalaki, Mango and the Tulsi shrub.

Traditions also held that these species, which were considered as an important aspect of nature, were the basis of local life-support systems and were integral to bring about a harmonious life. In traditional societies of the past, these examples were all a part of ethical values that protected nature. As modern science is based on the exploitation of nature, many of these traditions began to lose their effectiveness.

Concepts that support nature's integrity must thus become a part of our modern educational systems. This constitutes a key solution to bring about a new ethic of conserving nature and living sustainable life.

Prof. (Dr.) Archana Saxena

Head, Department of Chemistry

ALTERNATIVE AND CLEAN POWER

On Saturday 27 March, Earth Hour 2010 became the biggest Earth Hour ever. A record 128 countries and territories joined the global display of climate action. Iconic buildings and landmarks from Asia Pacific to Europe and Africa to the America switched off. People across the world from all walks of life turned off their lights and came together in celebration and contemplation of the one thing we all have in common - our planet. A call to stand up, to take up responsibility and to get involved and lead the global journey to a sustainable future.

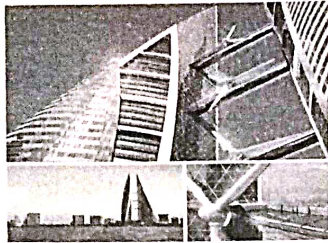
Some of the remarkable innovations and their uses are: Green technology or cleantech is the application of the environmental science to conserve the natural environment and resources, and to curb the negative impacts of human involvement. Sustainable development is the core of environmental technologies. When applying sustainable development as a solution for environmental issues, the solutions need to be socially equitable, economically viable, and environmentally sound. Some technologies such as anaerobic digestion produce renewable energy from waste materials. The global reduction of greenhouse gases is dependent on the adoption of energy conservation technologies at industrial level as well as the clean energy generation. That includes using unleaded gasoline, solar energy and alternative fuel vehicle, including plug-in hybrid and hybrid electric vehicles.

Now a days, technology is seen as a system rather than a specific physical tool. Technology, accordingly requires the exploitation of the environment through the creation and extraction of resources and the exploitation of people through labor, specialization and the division of labor. Thus, things are always created in a certain context with certain aims and functions. Green technology is thus an attempt to reform this exploitative system, merely changing it on the surface to make it environment friendly, despite continued unsustainable levels of human and natural exploitation. The technologies include but are not limited to the following areas: Recycling, Water Purification, Air Purification, Sewage Treatment, Environmental remediation, Solid Waste Management, Renewable Energy, etc. With rising energy costs and the threats of global warming, many businesses are now recognizing the benefits of using green technology to reduce their carbon footprint and to minimize waste. The Green Technology World community provides free resources pertinent to all businesses interested in reducing their impact on the environment. With all the emerging green technologies it seems an appropriate time to take a look at the most amazing real and conceptual designs currently at the forefront of ecological innovation. These examples push the limits of ecological architecture and contemporary urban design

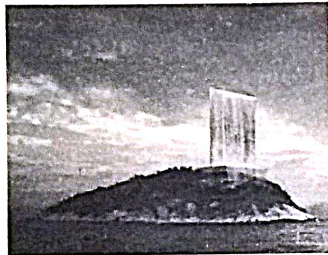
discourse.

Some of the latest innovation and projects are:

- The most impressive feature of the new Bahrain World Trade Center is no doubt, the three massive wind turbines situated between the two towers, comprising the main building. Each of these 80-foot turbines projects form a bridge between towers. The shape of the towers themselves channels and accelerates air moving between them which will help the building to generate even more power. It is by far the largest wind-powered design incorporated into a massive building project.



- This renewable energy generating tower located on the coast of Rio is one of the first buildings we've seen designed for the 2016 Rio Olympics. It's also a waterfall. The Solar City Tower is designed by Zurich-based RAFAA Architecture & Design, and features a large solar system to generate power during the day and a pumped water storage system to generate power at night. RAFAA's goal is that a symbolic tower such as this can serve as a starting point for a global green movement and help make the 2016 Olympic Games more sustainable.



To keep our planet Earth from being changed there, we need a radical change in climate policy and the thinking of the people. It requires a joint force ranging from Business, Science, media, Civil Society etc. for Global action on Climate Change. Finally commitment, action and support from all is needed to save Our Mother Earth.

Luhit Phukan
B.Tech., IV, Electrical Engineering

HIGHER EDUCATION IN INDIA (an exigency of the hour)

Whenever one thinks of India in a historical context, the first thing that comes to mind is the contribution it has made to the field of knowledge from times when human efforts towards its enrichment were quite unknown. India can boast of having been the land of two ancient universities - Nalanda and Takshashila of which evidence lies scattered here and there throughout the world even today.

In other words, we can say, India has been recognized across the world as a vast repository of knowledge for ages. India, however, could not make a significant mark in last few centuries due to

political turmoil, coercion etc. Until its Independence in 1947, only a handful of the privileged class people had been fortunate enough to carry on their intellectual pursuit. It was after independence that India tried to bridge the gap created by rulers. As a result many universities came into existence in the 20th century.

After independence India made a significant progress in the field of higher education. In technical education, for instance, the Indian Institutes of Technology and IIM's have already been recognized as centers of educational excellence. However, to fulfill our ever increasing need we need to open more good institutions. Government has already announced that seven more IIT's & IISERS are to be opened. Similarly, the extremely well thought out plan of setting up 30 central Institutes was a commendable step.

The government has done much on its part, but owing to India's vastness there is much more pressure on the private sector. It can provide excellent infrastructure and every possible facility to the students.

A question has always been raised about the standards of the private institutions as they belong to several categories-poor, average, good or excellent. But one thing can't be overlooked, i.e. their significant push to higher education in India. The role of private institutes comes into limelight when a student desirous of getting technical degree from IIT's cannot get it. While talking about higher education we can not forget to mention the immense contribution made by Indira Gandhi-University, Annamalai University, Banaras Hindu University, Aligarh Muslim University, Jamia Millia, Lucknow University etc. They have rendered invaluable service to the nation by providing correspondence courses to students who can't afford to be regular student owing to various constraints.

On the whole, we can say that higher education today encompasses not only traditional courses in conventional disciplines like engineering, medical, management, science, arts, design etc but also about various unconventional but relevant subjects like fashion designing, biotechnology, media, hospitality, pharmacy etc. India should give priority to developing a vast reservoir of knowledge.

Bhavesh Tambi
B.Tech., II, IT

To dream anything that you want to dream.
That's the beauty of the human mind
To do anything that you want to do
That is the strength of the human will.
To trust yourself to test your limits.
That is the courage to succeed.

MENDING MISTAKES

Human beings are destined to make mistakes irrespective of age, qualifications and past achievements; it is possible for anyone to go wrong. However, it is so fascinating to learn how people respond after making mistakes. A mistake loses its hold as soon as feelings of failure, resentment, anger or embarrassment are released. Some people get offended when they are told, "You have made a mistake". They get defensive or argumentative; some cover up their mistake to avoid responsibility. Some go into denial; some blame others and give themselves a clean chit. Each of these responses has its own ill effects. The feeling of failing destroys your confidence; anger makes you bitter and you hurt more people; covering up takes the pressure off for a while but takes away your sleep. Blaming others may provide temporary relief. However, eventually the mistake will be traced back to you. To top it all, these negative actions make you a powerless and ineffective human being.

The truth is that mistakes provide a great platform for learning. Find out what went wrong and why. Take responsibility and admit your mistake and apologize for it is crucial that you understand that not accepting your mistakes, particularly those involving other people, could be bad for your reputation because it shows lack of character. People are more forgiving when you admit your mistake. So, be honest with yourself. If you feel you are at fault, then accept it and seek forgiveness.

Learn also to forgive yourself. There is no point in living with guilt and remorse. Mistakes are not intentional; you never do things to hurt your loved ones and they understand that, so they forgive you. So learn to let go and give yourself a chance to fix things in the future. As long as you live in this world, you will continue to make mistakes. It is however important not to repeat the same mistake. If you do so it is a sure indicator that you haven't learnt anything. Hugh says "When you make a mistake, don't look back at it long. Take the reason of the thing into your mind and then look forward. Mistakes are the lessons of wisdom. The past cannot be changed. The future is yet in your powers".

Nidhi Sharma

Senior Lecturer, Dept. of English

LAWS TO GET SUCCESS

■ The Law of Experience

"Success comes from good judgment; good judgment comes from experience; experience comes from bad judgment." The more of bad you get, the more experience you get, the more successful you can be.

■ The Law of Hunger

In order to be successful, "you have to be hungry!" you have to want it so badly that you can taste it. You have to want it so badly that you are willing to pay the price to get it.

■ The Law of Balance

While you're paying the price of success, you have to take equal care for the rest. There is no use of being successful in your chosen

profession if you are failing in your personal life or in your health.

■ The Law of Small Successes

Many people never even get started on the road to success because they have convinced themselves that the task is too big. This is a myth that stops many people. Even the most gargantuan of tasks are accomplished with 'one action at a time'. One action at a time simply breaks your large task into smaller, more manageable tasks, and celebrates each small success.

■ The Law of Momentum

Once you get a few successes under your belt, a powerful momentum has been set in motion. You begin to believe you can be successful, and things that seemed difficult or even impossible before become simply challenges you are eager to take on.

■ The Law of Clarity

You need to be clear about what you are going for, so you will be clear on knowing when you get it. If you say want to make more money, that's not clear enough. I could give you a dollar and you'd have more money. But I don't think that's what you meant. How much more do you want? By when do you want it? What could you do to experience the most enjoyment while you are getting it? These questions give you more and more clarity.

■ The Law of Trail

Success always leaves a trail. While there is value in blazing our own trail, there is also value in investigating how others have become successful.

■ The Law of Modelling

To be successful, we do not have to reinvent the wheel. This is powerful and yet so easy it's amazing that more people don't do it. Simply find someone who is doing, or has done, what you want to do, and find out how they did it. What did they do on a daily basis to get where they are? What did they have to believe, what did they have to focus on? Most people are so honored by the question that they will be glad to talk with you. Everyone likes to feel like they have experience and wisdom to pass on to other.

■ The Law of Habit

All of us need success habits that we think and do every day. Remember, "bad habits are easy to form and difficult to live with, good habits are difficult to form and easy to live with".

■ The Law of Focus

It's our responsibility, each and every day, to control our focus. If we focus on all the things that could go wrong and how we might not be successful, we will be pulled in that direction. If we focus on opportunity and all the many ways in which we can be successful, we'll be pulled in that direction. If we control our focus, it can really be that simple.

■ The Law of Enjoyment

Many people are so busy making sure they are successful that they forget to pause and enjoy it. Folks, there's two things to shoot for in life: 1) to get what you are aiming for, and 2) to enjoy it once you get it. Only the most wise and fortunate of us do both.

Ravi Nandwani

B.Tech., II, CS

FOCUS ON YOUR TRUE GOALS

The Alchemist by Paulo Coelho has a very interesting sentence - "People are capable at any time in their lives of doing what they dream of". The world in which we live today is made by the efforts of the pioneers who gave up their financial security in bargain. Here are some examples of the people who gave up their lucrative careers to do what they loved to do.

- Soha Ali Khan quit a secure, great job with Citibank to become an actress.
- Kapil Dev, the cricketing legend comes from a family with a prosperous timber business.
- Dr. Sriram Lagoo, the well-known thespian, is a qualified doctor and so was Jabbar Patel, eminent theatre and film director.
- With an Honours degree in Economics and Master's degree in Mass Communication, Shahrukh Khan may have ended up being just another executive or a corporate. He gave up all to become India's biggest superstar.

But there are also some people who pursue a career at the cost of becoming something they were very passionate about. Such kind of people always have a sense of dissatisfaction. They tend to blame others for not being able to follow their dreams, causing emotional distress and strain in relationships.

The solution of the above things can be integrating both career and passion, and sorting out a middle path, where the person can pay due attention to both job and passion.

The well known example can be, Dr. Tushar Shah who is a well-known physician as well as a great comedian. He gives his flair an outlet by participating in comedy shows. He was among the finalists of the great comedy show - "The Great Indian Laughter Challenge"

Although, giving up money is tough in such a hectic life but giving up your passion can be a bit tougher. So, do that which satisfies both you and your family because for people who have dependants, it is a bit difficult to give up the security that a job provides. So, the people should try and earn same money when they make a switch from a secure job to the job of their passion. This will give satisfaction to everyone because satisfaction is importantly needed in work.

Kshiti Ahuja
B. Tech., III, IT

Think new!! Become a Creator not a Parasite!

Throughout the centuries there were the men who took first steps down new roads with nothing but their vision. Their goals differed but they all had one thing in common that the step was just the vision unborrowed and possible. This was the driving force behind them and thus they won the battle through their consistent hard work. Men on earth can live in two ways by independent work of its own mind or as a parasite fed by the minds of others. The

creator originates and the parasite borrows. The creator lives for his work. His primary goal is within himself. The parasite needs others. Make way to build up your creative ideas, your aims, every creative job is done under the guidance of single individual thought. Architect requires many men to erect his building but he never asks them to vote for his design. The capacity to think new does not need anything extraordinary but it needs the spirit of doing ordinary things extraordinarily. A creator has to explore his vision, his strength, his courage to prove himself.

Think new to enjoy your life, do something different to be different.

Become a Creator not a Parasite!

Udit Sharma
B. Tech., III, IT

TO BE YOUR OWN BEST FRIEND

Let me ask a very simple question to all the readers. How many of you feel proud of your friends? How many of you feel that your friends are very important part of your life and how many of you believe in well-known phrase - i.e. 'A friend in need is a friend indeed'? Almost all of you have positive replies to my questions. In this context, let us first analyse as to who is really a friend. A friend is a person who guides you correctly, advises you in time, gives you continuous support, morally, mentally and physically. In addition to all this a friend is the one who criticizes you to correct you not to belittle you. The next step would now be to ponder as to who could be your best friend.

In these days of human degradation of human values such, a friend is difficult or rather impossible to find. Then what should a person do if a friend is difficult to find? In these circumstances, it would be best to become your own friend. Now let us consider how to be your own friend. This is very easy but cumbersome exercise, because you have to step in your own friend's shoes and do just as he would do for you. The first priority is to love yourself. This shouldn't be a difficult job for you. You just have to be yourself and do not copy anyone else. You must retain the characteristics of your own behaviour then only you will start respecting yourself. You must learn to criticize yourself. This is very important to bring improvement in our behaviour. If you have honesty in your action it wouldn't be a difficult task for you. It's only when you understand your flaws and short comings, you will be able to help yourself as your friend. You'll imagine your friend to be another human being who is one-with you, your understanding, your truth and your conscience.

Somebody said it rightly, "FRIENDSHIP with oneself is very important, because without it one can't be friends with anyone else in this world". I have chosen myself to be my best friend. What about you?

Eiti Jain
B.Tech., III, IT

MATURITY OF MIND AND BODY

Maturity generally is an expression of finding an old head on young shoulder. It is infact essentially, a properly balanced way of looking at things. As per Hindu proverb "You only grow when you are alone". In other words, one requires time to think and reflect upon not only their experiences and events in own life but also on lifestyle in general.

This constant reflection, undisturbed by varying opinions of people around, leads to a frequent reshuffle of values in one's life. With each such reshuffle, maturity develops gradually but firmly. So maturity is the state of mind and body which enables to have a clear vision, a systematic and logical thinking to arrive at a definite conclusion.

Many a times one comes across adults whose mental development is that of a child. Such person is immature as he may be physically well developed but mental maturity is low. Maturity depends a lot on your environment, the books you read and the company you keep. Maturity of a person is reflected in his thought, behavior, deeds and action.

There are some people who act in mature manner but are in fact very immature. They speak ill of others. They are always thankless and keep brooding over everything. Immature people have the habit of complaining forever, bickering, always criticizing actions of others and craving for the things they cannot have.

When immature person is not allowed to have his own ways, they tend to work negatively to harm other people. There are several characteristics by which we can spot a mature person. A mature person has well defined sense of values. He knows what life is all about and he is all out to achieve his goal, come what may.

A mature person accepts himself for what he is, together with his talents and limitations without trying to be someone else. He is always thankful to almighty without trying to be someone else. He is always thankful to God for having what he has. A saying goes like this "A man cried for not having shoes but thanked God after seeing a man who did not have even feet".

A mature person knows that he is not perfect and that he is capable of making mistakes. He accepts his mistakes gracefully and tries to mend them. To err is human being. Moreover, everybody makes mistake that is why we have erasers on pencils. A mature man is compromising and adjustable. He accepts the things as they are. The growth or collapse of others imposes no threats on him. He is not jealous of the goodness of others. He is his own master. He is never led by the crowd. He has learnt to make up his mind on important issues of life and will stand by his convictions even if it comes to the worst. He has control over his

emotions. He will not go off like a stick of dynamite on the slightest provocation. He does not loose his temper and does not shout to raise his voice.

Finally, a mature person with bold mind and body has a well-balanced attitude to the problems of life realizing that life is not a bed of roses. A lot many problems are there to be encountered, such person is confident enough to do away with such odds of life. He believes that God has sent him to world for specific job for which he is capable of.

This particular spirit of maturity only helps a person to win over the struggle of existence in this world.

Deepesh Bansal

B.Tech., III, CS

TERRORISM: LET US JOIN HANDS

The prevailing catastrophe in world

With terrorism its name,

Has made a vow to render us,

Helpless, imperil in shame.

They get gratification in this,

These friends who deceive us,

They terminate, terrify,

To torture us.

Their fallacy is that they are,

freedom fighters, ex - officio

They train torpedoes tampers to

Threat temperance and taboo.

The time has come to unite us all,

To venture with all our aim,

To vanish their vanishing vanity

Bar up their barbarous brevity

Filled up to the brim.

Anjali Pandey

Lecturer, Department of Computer Science

TOP 10 INFORMATION SECURITY RISKS

■ UNAUTHORIZED LOGICAL ACCESS

Lack of password policy awareness is quite uncontrolled. Given that the IT infrastructure is only going to get complex from here on, much more needs to be done to ensure that this risk is marginalised.

- Simple passwords should be replaced by stronger, multi-factor authentication passwords.
- Strong identity authentication should be done which includes the use of two or three factors such as something one has (a physical item or token in your possession), something one knows (information only you have) and something one is (a unique physical quality or behaviour that differentiates one person from another).

■ MODIFICATION OF DATA

Data integrity is the key to the success of any organization. However due to the limited attention being paid to it, this risk has risen significantly.

- All confidential information should be sent in the form of an attachment.
- Attachment should be encrypted using strong cryptographic controls.
- Digital signatures should be used in order to avoid non-repudiation by sender.

■ DATA CORRUPTION

Growth in internet usage has also seen the growth in malware infections which significantly contribute to data corruption.

- A computer should not be switched off without proper shutdown procedure.
- Malware infections also lead to data corruption. Thus, one should be very careful while downloading files from the internet.
- Files should always be downloaded from reliable sources.
- Poorly written software, if downloaded, can also lead to data corruption.

■ INTERNET CONNECTIVITY FAILURE

Global cabling problems aside, several companies are still struggling to make their infrastructure robust for internet access (network and bandwidth management). Service provider selection criteria leave a lot of room for improvement.

- Service provider should be selected depending on the need of the organization.
- A competent backup service provider should be selected so that if the previous provider is unable to provide optimum services the backup provider could provide them.
- The temperature of the server room should be maintained in order to avoid excessive heating of the devices.

■ DELETION

Organizations are still quite careless towards data-backup. Several companies lacking well-conceived data recovery strategies had to bear both financial as well as legal losses they could ill-afford.

- Backup of data should be taken at regular intervals.
- Restoration capabilities should also be provided so that the backed up data can be restored as and when required.
- Data recovery tools should be present with the administrator so that data can be recovered if they are accidentally deleted.

■ SOFTWARE CORRUPTION / FAILURE

Piracy is not the only reason for this to feature. Misconfiguration and incorrect software usage have created several issues. It happens due to corruption by virulent software, configuration complexity or improper backups.

- Backups should be taken on a regular basis, so that even if the data gets corrupted due to some reason, the organization is still safe and so is its customer database.
- Pirated copies of software should not be bought even though these copies can be purchased at a lesser price.
- A programme should be used only for its intended purpose, else it might become corrupt and stop functioning.

■ DENIAL OF SERVICE

Many corporate websites have suffered from illegal denial of service attacks lately. The major contributing factor to this has been slackness in timely hardening and patching of systems.

- An organization should maintain audit trails which describe what has changed in the network and why.
- Anti-virus should be installed and updated regularly.
- Firewalls should be installed and configured to restrict traffic coming into and leaving the computer.
- Email filters should be installed as they help in restricting traffic.

■ MISUSE OF USER RIGHTS

Widespread administrator level access to users, non-removal of access on role-change and privilege escalation has brought this risk

- Principle of least privilege should be followed.
- Every program and every user of the system should operate using the least set of privileges necessary to complete his job.
- If a person does not need an access right, he should not have the right.
- A unique ID and password should be given to each user. Users should be given *read only* access to the applications present.

■ UNAUTHORIZED PHYSICAL ACCESS

Physical devices like laptops, desktops, etc can be accessed by unauthorized people if perimeter barriers and other physical security safeguards are absent. However organizations take care of their datacentre.

- Prevent unauthorized entries into the premises and other

sensitive areas.

- Identification methods together with authorization and access control such as badge systems, card readers or biometric controls should be implemented.
- Visitor control procedures should be employed to restrict the freedom by which a visitor can access the premises.

■ FIRE

We did not expect this to be here; it is not the lack of equipment but the lack of procedures that brings this risk. Heat-generating equipment such as copiers, work processors, coffee makers and hot plates should be kept away from anything that might catch fire.

- Combustible materials such as paper should be stored properly. They should not be stacked up.
- Sprinklers and fire/smoke detectors should be installed in storage areas.
- Storage areas should be located away from heat sources.
- Electricity outlets should not be overloaded. The best way is to assure a sufficient number of outlets.

Mahender Kumar Beniwal

Sr. Lecturer, Department of Computer Science

OPTIMISM

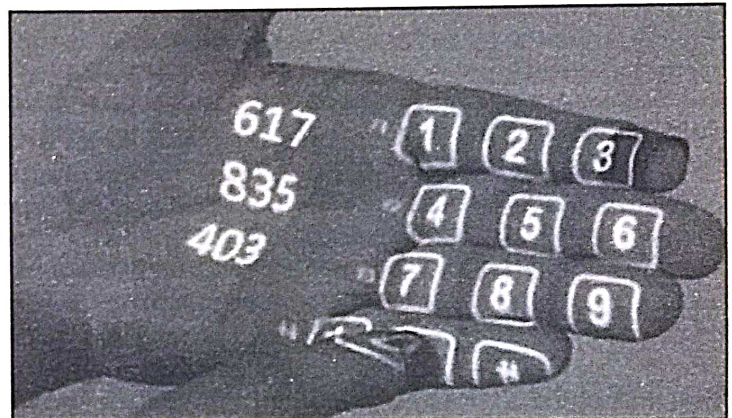
Some half lies and truths,
Some half ripe fallen fruits..
Some half hearted replies,
Some friends half in disguise..
Some half thought strategies,
Some half friends,
Worse than enemies..
Some half baked stories,
Some half past glories..
A half hitch in relations,
Some half made connections..
Some half fought fights,
Some half slept nights..
A half mourned mistake,
A conscience half awake..
Got nothing by my side,
But still I see,
The glass half occupied..

Puneet Arora
B. Tech., I, EC

SIXTH SENSE TECHNOLOGY : REVOLUTION IN THE FIELD

Sixth Sense Technology is a system that projects information about what surrounds you over objects' surfaces. Basically it is a mini-projector coupled with a camera and a cell phone- which acts as the computer. Sixth Sense can also obey hand gestures.

The camera recognizes objects around you instantly, with the micro-projector overlaying the information on any surface, including the object itself or your hand. Then, you can access or manipulate the information using your fingers. Need to make a call? Extend your hand in front of the projector and numbers will appear for you to tick. Need to know the time? Draw a circle on your wrist and a watch will appear. Want to take a photo? Just make a square with your fingers, highlighting what you want to frame and the system will make the photo-which you can later organize with the others using your own hands over the air.



But those are just novelty applications. The true power of Sixth Sense lies in its potential to connect the real world with the internet, and overlaying the information on the world itself. Imagine you are at the supermarket, thinking about what brand of soap is better, or maybe what wine you should get for tonight's dinner. Just look at objects, hold them on your hands, and Sixth Sense will show you if it's good or bad, or if it fits your preferences or not. Now take this to every aspect of your everyday life. You can be in a taxi going to the airport, and just by talking out your boarding pass; Sixth Sense will grab real time information about your flight and display it over the ticket. You won't need to do any action. Just hold it in front of you and it will work. The key here is that Sixth Sense recognizes the objects around you, displaying information automatically and letting you access it in any way you want, in the simplest way possible.

Clearly, this has the potential of becoming the ultimate "transparent" user interface for accessing information about everything around us. It may change the way we interact with the real world and truly give everyone complete awareness of the things around us.

Ravi Nandwani
B.Tech., II, CS

ASK NOT WHAT YOUR COUNTRY CAN DO FOR YOU (SOME EXCERPTS FROM THE INAUGURAL ADDRESS OF JOHN F. KENNEDY)



John F. Kennedy

Vice President Johnson, Mr. Speaker, Mr. Chief Justice, President Eisenhower, Vice President Nixon, President Truman, reverend clergy, fellow citizens, we observe today not a victory of party, but a celebration of freedom - symbolizing an end, as well as a beginning - signifying renewal, as well as change. For I have sworn before you and Almighty God the same solemn oath our forebears prescribed nearly a century and three quarters ago. The world is very different now. We dare not forget today that we are the heirs of that first revolution. Let the word go forth from this time and place, to friend and foe alike, that the torch has been passed to a new generation of Americans - born in this century, tempered by war, disciplined by a hard and bitter peace, proud of our ancient heritage - and unwilling to witness or permit the slow undoing of those human rights to which this Nation has always been committed, and to which we are committed today at home and around the world. Let every nation know, whether it wishes us well or ill, that we shall pay any price, bear any burden, meet any hardship, support any friend, oppose any foe, in order to assure the survival and the success of liberty. This much we pledge - and more. To those old allies whose cultural and spiritual origins we share, we pledge the loyalty of faithful friends. United, there is little we cannot do in a host of cooperative ventures. Divided, there is little we can do - for we dare not meet a powerful challenge at odds and split asunder.

To those new States whom we welcome to the ranks of the free, we pledge our word that one form of colonial control shall not have passed away merely to be replaced by a far more iron tyranny. We shall not always expect to find them supporting our view. But we shall always hope to find them strongly supporting their own freedom - and to remember that, in the past, those who foolishly sought power by riding the back of the tiger ended up inside. To those peoples in the huts and villages across the globe struggling to break the bonds of mass misery, we pledge our best efforts to help them help themselves, for whatever period is required - not because the Communists may be doing it, not because we seek their votes, but because it is right. If a free society cannot help the many who are poor, it cannot save the few who are rich. To our sister republics south of our border, we offer a special pledge - to convert our good words into good deeds - in a new alliance for progress - to assist free men and free governments in casting off the chains of poverty. But this peaceful revolution of hope cannot become the prey of hostile powers. Let all our neighbours know that we shall join with them to oppose aggression or subversion anywhere in the Americas. And let every other power know that this Hemisphere intends to remain the master of its own house. To that world assembly of sovereign states, the United Nations, our last best hope in an age where the instruments of war have far outpaced the instruments of peace, we renew our pledge of support - to prevent it from becoming merely a forum for invective - to strengthen its shield of the new and the weak - and to enlarge the area in which its writ may run.

So let us begin a new - remembering on both sides that civility is not a sign of weakness, and sincerity is always subject to proof. Let us never negotiate out of fear. But let us never fear to negotiate. Let both sides explore what problems unite us instead of belaboring those problems which divide us. Let both sides, for the first time, formulate serious and precise proposals for the inspection and control of arms - and bring the absolute power to destroy other nations under the absolute control of all nations. Let both sides seek to invoke the wonders of science instead of its terrors. Together let us explore the stars, conquer the deserts, eradicate disease, tap the ocean depths, and encourage the arts and commerce. Let both sides unite to heed in all corners of the earth the command of Isaiah - to "undo the heavy burdens - . and to let the oppressed go free." And if a beachhead of cooperation may push back the jungle of suspicion, let both sides join in creating a new endeavour, not a new balance of power, but a new world of law, where the strong are just and the weak secure and the peace preserved.

All this will not be finished in the first 100 days. Nor will it be finished in the first 1,000 days, nor in the life of this Administration, nor even perhaps in our lifetime on this planet. But let us begin. In your hands, my fellow citizens, more than in mine, will rest the final success or failure of our course. Since this country was founded, each generation of Americans has been summoned to give testimony to its national loyalty. The graves of young Americans who answered the call to service surround the globe. Now the trumpet summons us again - not as a call to bear arms, though arms we need; not as a call to battle, though embattled we are - but a call to bear the burden of a long twilight struggle, year in and year out, "rejoicing in hope, patient in tribulation" - a struggle against the common enemies of man: tyranny, poverty, disease, and war itself. Can we forge against these enemies a grand and global alliance, North and South, East and West, that can assure a more fruitful life for all mankind? Will you join in that historic effort? In the long history of the world, only a few generations have been granted the role of defending freedom in its hour of maximum danger. I do not shrink from this responsibility - I welcome it. I do not believe that any of us would exchange places with any other people or any other generation.

The energy, the faith, the devotion which we bring to this endeavor will light our country and all who serve it -- and the glow from that fire can truly light the world. And so, my fellow Americans: ask not what your country can do for you - ask what you can do for your country. My fellow citizens of the world: ask not what America will do for you, but what together we can do for the freedom of man. Finally, whether you are citizens of America or citizens of the world, ask of us the same high standards of strength and sacrifice which we ask of you. With a good conscience our only sure reward, with history the final judge of our deeds, let us go forth to lead the land we love, asking His blessing and His help, but knowing that here on earth God's work must truly be our own.

चाय

क्या खूब, क्यामत ढाए!
जब खनकते हुए चमचमाते प्याले में वह आए
मेजबान मेहमान के लिए जब सजाकर उसे लाए
तब तलबगारों के मुँह से निकल जाए 'हाय'!
हाय! कम्बख्त क्या चीज है यह चाय

बातों की बहती नदियों में
या गपशप के झरनों में
रस उसी का छलका जाए
हाय! कम्बख्त क्या चीज है यह चाय

चाहे नुक्कड़ की हो थड़ी
या साहब की हो अर्जेन्ट मीटिंग पड़ी
बात छोटी या बड़ी
सभी की सोच यहीं आकर भिड़ी
कि क्यों इसके बिना दिन 'दिन', और शाम 'शाम' न कहलाए ?
हाय! कम्बख्त क्या चीज है यह चाय

देश हो या विदेश
रंग और खुशबू इसकी, सभी को दीवाना बना जाए
तभी तो कोई इसे पीकर 'ताजा' हो जाए
तो कोई इसकी चुस्कीयों पर वाह! वाह! की तान लगाए
हाय! कम्बख्त क्या चीज है यह चाय

स्तुति पारीक
सूचना प्रौद्योगिकी, तृतीय वर्ष

बारिश

बात तो कुछ पुरानी है। पढो मजेदार कहानी है।
मेहनत कर नहीं थकते जो हाथ।
कुदरत भी देती है उनका साथ।

भगवान शिव को कुछ विचार आया।
मानव की परीक्षा का मन बनाया।
देवी पार्वती से बोले, अब कई वर्षों तक मैं शंख नहीं बनाऊँगा।
धरती पर एक भी बूँद पानी नहीं बरसाऊँगा।

देखते है मानव क्या करता है
जीवित रहता है या अकाल मरता है।
कई वर्ष बाद भगवान शिव को ध्यान आया।
पृथ्वी पर आकर मानव के हालचाल जानने का कार्यक्रम बनाया।

सब तरफ सूरज आग बरसा रहा था।
पवन देव गर्म हवा के घोड़े दौड़ा रहा था।
वनस्पतियाँ लगभग सूख गई थी।
किसान की किस्मत रूठ गई थी।

पानी कहीं नजर नहीं आता था।
कभी-कभी आँसू बन गालों पर ढलक जाता था।
भगवान शंकर अपनी जीत जताने लगे।
देवी पार्वती को मानव की दुर्दशा का हाल बताने लगे।

तभी माँ पार्वती ने अँगुली से इशारा किया।
भगवान को दूर दिशा में देखने को कहा।
वहाँ धूल उड़ती नजर आ रही थी।
हो रही है कोई हलचल यह संदेश सुना रही थी।

शिव पार्वती वहाँ पहुँचे, तो देखा अजब नजारा था।
एक किसान सूखे खेत में हल चला रहा था।
किसान था फटेहाल पर जोश के साथ गीत गा रहा था।

भगवान उसे कुछ देर अपलक निहारते रहें।
मन-ही-मन किसान की हिम्मत को सहारते रहें।
देवी पार्वती से रहा नहीं गया।
बेवजह क्यों जोत रहे हो खेत यह प्रश्न किसान से किया।

किसान बोला ऐसा कहकर क्यों मुझे सता रहे हों।
किसान के धर्म को बेवजह बता रहे हो।
हल नहीं चलाऊँगा तो मेरे कार्य करने का अभ्यास छूट जायेगा।
फिर पानी बरसा तो भी मेरे क्या काम आयेगा।

इसलिए मैं समय पर खेत में आता रहा हूँ।
वर्षा की चिन्ता किए बिना हल चलाता रहा हूँ।
किसान की बात सुनकर देवी पार्वती घबराई।
भगवान शिव के कान में कुछ फुसफुसाई।

भगवान को लगा, वे भी कई वर्षों से शंख नहीं बजा रहे है।
कही शंख बजाने की कला को भूलते तो नहीं जा रहे है।
उन्होंने तुरन्त शंख मुँह से लगाया।
और जल्दी से राग मल्हार बजाया।

शंख बजते ही घटाए धिरने लगी।
देखते ही पानी की बूँदे किसान के खेत पर गिरने लगी।
किसान की जीवटता रंग लाई।
उसकी फटेहाल जिदंगी में सम्पन्नता भर आई।

यह कहानी हमें भी कुछ सिखाती है।
मेहनत कभी बेकार नहीं जाती है यह मंत्र बताती है।

आनन्दी लाल कुमावत
यांत्रिकी अभियांत्रिकी, तृतीय वर्ष

हर सुबह

हर सुबह लेकर जो आये, भोर की पहली किरण
जाग उठें फिर से मन के, खोये हुए सारे सपना॥

आस्था और नेह की, बाती जले, जलती रहे
और थोड़ी सी महक दे, जाये वासंती पवन॥

धूप को आना है आये, तुम उसे ना रोकना
छाँव बनकर विटप की मन, अपने उपर ओढ़ना॥

हाँ थकाने आयेगे पल अंक में, भर-भर हिमालय
स्वेद-कण मोती की मानिद, होले-होले पोंछना॥

ऐसे सौरभ की घड़ी फिर, न आये क्या पता
आज है जो गीत-सरिता, कल भी होगी क्या पता॥

बाँध लो मन इन पलों को, आज शब्दों के वसन मे
और उतारों गीत में फिर, प्रीत की आकाश-गंगा॥

नेहा कपूर
वशिष्ठ व्याख्याता, संगणक अभियांत्रिकी

हुनर

चेहरे बदलने का हुनर मुझमें नहीं,
दर्द दिल में हो तो हँसने का हुनर मुझमें नहीं,
मैं तो आईना हूँ तुझसे, तुझ जैसी ही बात कलूँ,
टूट कर सँवरने का हुनर मुझमें नहीं,
एक बार मिल कर छोड़ जाने का हुनर मुझमें नहीं

मैं तो दरिया हूँ, बहता ही रहा,
तूफान से डर जाने का हुनर मुझमें नहीं
सरहदों में बंट जाने का हुनर मुझमें नहीं
रोशनी में ना दिख पाने का हुनर मुझमें नहीं
मैं तो हवा हूँ महकती ही रहूँ,
आशियाने में रह पाने का हुनर मुझमें नहीं
दर्द सुनकर और सताने का हुनर मुझमें नहीं
धर्म के नाम पर खून बहाने का हुनर मुझमें नहीं,

मैं तो इन्सान हूँ, इन्सान ही रहूँ,
सब कुछ भूल जाने का हुनर मुझमें नहीं
अपने दम पे जगमगाने का हुनर मुझमें नहीं
मैं तो रात को ही दिखूँगा,
दिन में दिख पाने का हुनर मुझमें नहीं
मैं तो चाँद हूँ, तन्हा ही रहा,

तारों की तरह साथ रह पाने का हुनर मुझमें नहीं
मैं तो जिन्दगी हूँ, चलती ही रहूँ,
बेवक्त साथ छोड़ जाने का हुनर मुझमें नहीं।

अजय जैन
संगणक अभियांत्रिकी, तृतीय वर्ष



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