SKIT World
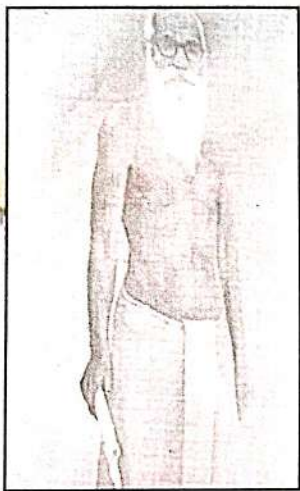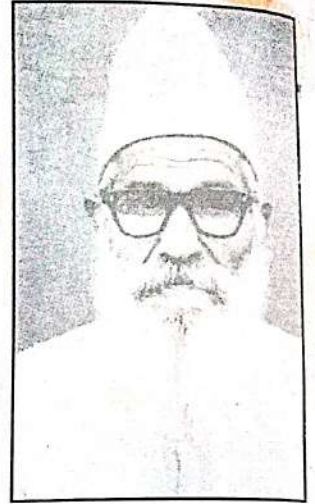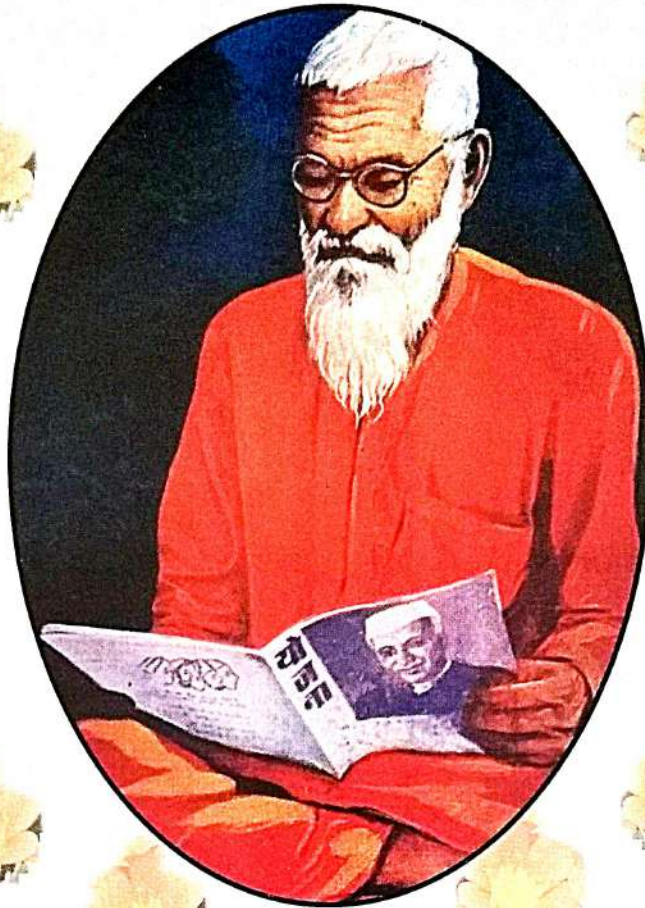
2003

Swami Keshvanand Institute of Technology Management and Gramothan

Ramnagaria (Jagatpura), Jaipur - 302 025 (Raj.)

Swamiji was born poor, lived poor, died poor: yet he left for us a RICH HERITAGE !

Swamiji himself could not receive formal education, yet he made others highly educated.

Swamiji himself was a fakir, yet he made others, through education, amir.

Swamiji adopted the dress of a sadhu, yet he himself was an exemplary karmayogi.

A Legand
Swami Keshawanand
(1883-1972)

A SKIT LITERARY SOCIETY PUBLICATION
2003

The Institute

Swami Keshvanand Institute of Technology, Management and Gramothan came into existence during the academic session 2000-2001. It was the vision of some leading technocrats and management personalities to bring up a world class technology institute in the developing state of Rajasthan that led to the formation of the college.

Rightly named after Saint Swami Keshwanand, the institute envisages to adopt the principles and teachings that this great saint gave to the world.

Located in the heart of Rammagaria housing scheme at Jagatpura in Jaipur, the college has a master plan designed to provide the best of the infrastructural facilities. It includes the most advanced labs, lecture theatres, research deptts along with sports facilities for the over all development of the students.

In the very first year of its inception the college, the true colors of excellence were displayed when its students excelled in academics and co-curricular activities. It made a lasting impression within the minds of all the aspiring engineers by bagging many positions in the university exams. As a result, the college saw its seats getting filled up first, amongst all the private engineering colleges, in the subsequent counseling sessions of the RPET.

Now running in the 3rd year of its existence the college has earned a lot of fame of itself both within and outside Rajasthan. The formation of the 'SKIT INFOSYS' is a jewel in the crown of the college. It aims to provide an environment for the in-house development of the IT enabled services and solutions along with an industry- institute interface.

Marching on the path of success the college aspires to be a knowledge hub and a temple of learning for the years to come. With the right atmosphere for academics, sports and extra-curricular activities the college will truly be a torch bearer for creating a brain-pool that would lay the foundations of the advance technologies of the future.

Editors Speak...

Life is often described as a bouquet of flowers. Each flower represents a different set of emotions and moods which have their own special place in our life. In this bouquet the most beautiful set of flowers are the ones that symbolizes our college life. A span full of enthusiasm and 'do it, win it' attitude. Its about hopes and dreams, about friendship (and friendships !?). Well, in a nut shell we can say that this period is simply 'THE BEST'.

We are all moving through this phase of life and are experiencing different shades of a student life . But these times do fly by quickly and what is left is the fond remembrances for a life time .

To treasure these memories for years to come , we are proud to introduce to you the SKIT COLLEGE MAGAZINE . It has been conceptualized keeping you in mind . It aspires to be a platform to express all the things that you ever wanted to share with your fellow skitians and to this world. Rightly named as SKIT WORLD, it has all the shades that might reflect your personality. Be it technical , social , college activities report or entertainment related articles for all you techno geeks !! . We have tried to incorporate all the sections in this magazine. Our aim is to make it a tradition so that the moment we get to read this magazine during or after our college life, we could feel a sense of awe and pride in doing so.

We would like to show our sincere gratitude towards all our moderators Mr.Ramesh Pachar (Lect. EE Deptt), Ms Shalini Puri (Lect IT Deptt.) and Ms Vineeta Agarwal (Lect Maths Deptt.). Our special gratitude to Prof Ram Singh (H.O.D. IT deptt.) for it was his vision and cooperation that made the dream of this magazine come true.

To conclude we would like to thank each one of you who contributed towards making this magazine a success with your articles and hard work . Let us all pledge that we will give in our best to make our college a temple of learning par excellence

Happy reading !

- Editorial board

Message

Shri Surjaram Meel
Chairman

It gives me immense pleasure to know that SKIT is heading towards a new mission by publishing "SKIT WORLD". This is because of indefatigable, pain taking interest of SKIT family.

I am sure this effort will inculcate excellency not only in technological field but also in selfless service of society and character in the years to come. This should be a beginning to offer wide spectrum of activities like social, cultural and professional aspects not only to students but also to society as a whole. I convey my heartiest greeting to all staff members and students for their involvement and dedication towards "SKIT WORLD".

Surjaram Meel

Message

Shri K. R. Bagaria
Director

The SKIT firmly believes that the future of India hinges critically on the rapid development of world class education in the field of engineering. As a further step the efforts of our students have resulted in maiden publication of the college magazine. It has made possible to represent the zeal and enthusiasm of our students in various fields.

I wish "SKIT WORLD" a grand success and hope with this we have initiated a trend of exploring calibre of our students. Let's take a pledge to maintain this in years to come.

K. R. Bagharia

From the Principal's Desk

I am happy to place in your hands the first issue of our college magazine. The main objective of bringing out this magazine is to provide our students an opportunity to show their talents and earn recognition. The publication of the magazine is a joint effort of our students and staff. Apart from technical section, we have also provided a slot for literary section both in Hindi and English which I am sure will serve the purpose of encouraging hidden talents in the field of creative writing by our students.

In this age of information technology, although a lot of information is already available but still for an educational institute, publication of its own magazine has its own importance. It helps in shaping the overall personality of the students by inculcating in them qualities like self-confidence, creative thinking, analytical ability, teamwork etc. The efforts made by our staff and students, I am sure will set a high standard of publication and will provide an invaluable contribution in the spread of quality technical education in the country.

In the end it is my pleasant duty to convey my heartiest thanks to all those who have contributed their articles. I am also thankful to the members of the editorial board who worked tirelessly in bringing out this magazine

S. L. Surana

Dr. S. L. Surana

In Remembrance

Late Rahul Sharma

Late Sita Ram Sharma

Late Swarna S.

When I am gone,
release me let me go.
I have so many things to see and do.
You must not tie yourself to me with tears,
Be happy that we had so many years.
I gave you my love, you can only guess,
How much you give to me in happiness.
I think you for the love you have shown,
But now its time I traveled alone
So grieve a while for me if grief you must,
Then let your grief be comforted by trust.
Its only for a while that we must part,
So bless the memories with your heart.
I wont be far away, for life goes on,
So if you need me, call and I will come.
Though you can't see or touch me, I will be near.
And if you listen with your heart you will hear.
All of my love around you, soft and clear,
And then, when you must come this way along,
I will greet you with smile,
and welcome you home.

The dawn is here and the sun is bright
With all its grace, on the world it shines
Here we bring the 'skit world' after much a do
Just like the sun may it brighten the intellect in you

Ever since the foundation of Swami Keshwanand Institute of Technology, Management and Gramothan the College has done an unprecedented growth in all the fields from academics to co-curricular activities. Our college strives to provide an environment for the over all development of our students so that they could handle any practical situation when they go in for work in this world.

Adding a new dimension to the multifaceted personality of SKIT is the introduction of our college magazine 'SKIT WORLD'. This much awaited magazine aims to be the face of our college. Besides being a knowledge hub, it aspires to be a platform where all our students can display their talents and share the information they have with all their peers.

This magazine is a gift to SKIT family. It was the dream that has been made possible by the tireless labour and hard work of all our moderators, designers and the editors who worked relentlessly to meet the deadline. Special accolades for all the students who with their invaluable contributions in the form of articles, poems etc. made this magazine a pleasure to read.

I hope that this magazine will become a tradition in the years to come and will help you enhance your knowledge base and bring you closer to your alma mater.
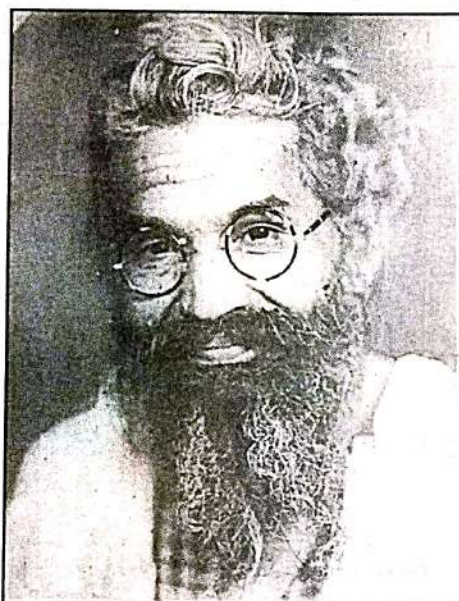
With best wishes,

Ram Singh

Prof Ram Singh
Coordinator
SKIT WORLD

Swami Keshvanand

His Life and Accomplishments

Ramesh Pachar
Head-of-Deptt.
Electrical Engineering

I am a simple man. I have neither education, nor wealth. I have neither political power nor any manpower. If a petty man like me can do something for the nation why cant you with all your big degrees and resources .

Swamiji was born on December 17, 1883 at Mangloona Village of Shekhawati region, in Rajasthan. At a very tender age of three, he lost his father. Soon his mother also left him for heavenly abode in 1889. He was left all alone to face the atrocities of the world. It was at this time that he got entangled within the cobweb of a nasty caste system.

He was admitted to Arya Anathalaya at Firozpur in 1900. Swamiji left this place in 1903 in search for a teacher, who could teach him Sanskrit, which at that time was considered to be an exclusive language of the Brahmin's In 1904 his search ended and Sant Khushal Das ,Mahant of Sadhu Asram, Fazilka , took him under his patronage. In 1905 Swamiji became 'Keshvanand' instead of 'Birma'. Soon in 1908 he became the Mahant of Sadhu Ashram , Fajilka . As a Mahant he earned a lot of popularity.

According to Swamiji he inherited his qualities, especially generosity and the spirit to sacrifice from his parents. He inspired youngsters by telling them that for him, his KAM was his RAM. In fact he once stated that "I don't know what worship is or recitation of holy world is! When I wake up in the morning I think of the works I have in hand which I have to complete".

The true color of his character came forward when he handed over the post of Mahant as well as huge property of Ashram to a fellow disciple, Shri Keshwanand ji in 1916. After this Swamiji lived a life of social servant at Abohar. Swamiji was not only a social reformer but also a true nationalist.

He attended his first ever Congress session at Delhi on 29 Dec. 1918. This session was presided over by Sri Madan Mohan Malviya . After this session Swamiji's presence was frequently observed in Indian Freedom Struggle. He was in fact arrested as a non-cooperator and was send to Firozpure jail in 1921, from where he was released in 1923. Then again he was arrested as a Satyagrahi in 1930 and was sent to Multan jail for one year.

Basically Swamiji was Karmayogi. But no Karmayogi can succeed in his mission unless his actions are governed by great thoughts. Swamiji was blessed with original ideas and a broad vision. Swamiji's main source of knowledge was his personal experiences. Swamiji being a Karmayogi and a social worker, fought against the evil caste system.

He in fact once came across a Sadhu who asked him for some money to have " GANGA SNAAN " for the sake of punya. Swamiji replied him with following knowledgeable words "It is a noble virtue to serve the needy and the poor. If you truly

serve the society, you would not need to worry about bread or clothes, nor would you feel the need for money". Swamiji used to encourage the suppressed people to fight for their rights. He once said " If there is any method to make life worth living, its only the victory over defeatism".

Being a true patriot at heart he was continuously involved in motivating people to join the freedom struggle. Once while addressing a gathering of intellectuals at the Gramothan Vidyapeeth, he said " I am a simple man, I have neither education, nor wealth, I have neither any political power nor any man power, if a petty man like me can do something for the nation why can't you with all your big degrees and resources".

Another face of his personality was that of an art lover. He established the Sahitya Sadan at Abohar on 24th Jan. 1924. At this place he organized the 9th annual session of Punjab Hindi Sahitya Sammelan in 1933. Then again in 1941 he organized the 30th annual session of the Akhil Bhartiya Hindi Sahitya Sammelana (Prayag). He wrote 'MARUBHOOMI SAVAKARYA' which was published in Aug. 1945. He also played an important role in getting the Hindi translation of Sikh Itihaas.

Swamiji stressed on the need of education throughout his life. This was the reason why he opened a mobile library for the rural areas of Fazilka - Abohar in 1931. The library was used to deliver books to women at their door steps. Swamiji also opened nearly 287 rural schools in Bikaner division . During his mission of popularizing the importance of education amongst the suppressed classes he became the principal of Jat School, Sangaria. In 1933 he changed the name of the school to Gramothan Vidyapeeth.

Swamiji although was a strict brahmchari, he took some very decisive steps to improve the position of women in society. The measures he took included opening of a Mahila Ashram at Sangaria in Apr.1949 and to get the Kasturba Gramothan Mahila Vidyapeeth, Mahajan (Bikaner) inaugurated by Dr. Susheela Nayar on 2nd Oct.1955.

Swamiji's life and personality could be very well described by following lines:-

❑ His nature was like that of a child.

❑ His affection was like that of a mother.

❑ His patronage was like that of a father.

❑ His imagination was like that of a poet

In short we can describe his ultimate goal of life as the betterment of his beloved nation.

This nationalistic and reformistic attitude of his earned him a unanimous selection to the upper house of the Parliament in 1952, by the Rajasthan Vidhan Sabha. He was then re-elected in 1958. Swamiji remained an M.P. for 12 years i.e. from 3rd April 1952 to 2nd April 1964.

It is said that by making him an M.P. the nation showed its gratitude to this great son of the soil. It was no doubt an honour for Swamiji, but at the same time the fact cannot be neglected that by doing so the prestige of Rajya Sabha was also enhanced.

After knowing so much about the Swamiji's contribution for our country's development, a very obvious question arises that, did the nation ever recognize his contribution? But no matter whatever the answer may be the truth will always remain this that pure love asks for nothing in exchange.

Swamiji left us on September 13, 1972. He was 89 years of age. His death was a very big set back to all the reform motions introduced and monitored by him.

But then his words showed us the path. The enlightening words of a divine person are as quoted "The death of a great man does not occur with the end of his body, He dies when his name goes out of the minds of posterity". So let's decide that we will not let the efforts put in by this great man go in vain. We will always remember him as a true leader of the masses ever born in this part of the country. He was indeed Gandhi in the field of social reforms, Madan Mohan Malaviya in the field of education and Vinoba Bhave in the field of Sadachaar .

To conclude we can only say that our nation will always need karmayogis like Swamiji, to make a Samrodh Bharat. Hence we should always remember his teachings and thoughts and try to do our own share of work for the betterment of the masses and also for our country.

Interview - Prof. Ram Singh

Sir, every one of us is quite eager to go to US. What are your views about it?

Let me say that it's a fine idea to get education in abroad. Your plan should be clear. Primary question is the immigrants' dilemma .On one hand you dream about a new land, culture, tradition, whereas here you have your own family and people. Most immigrants went to US and faced this dilemma as they start to settle there. You will have to make a decision about yourself, your children and what kind of tradition they will inherit. This question should be very clear, are you going to comeback or will you settle over there? If you are not clear with this question your life will be in jeopardy, you will be a torn person with a split personality.

As far India is concerned we have institutes like IIT's and BITS that are equally good as any other institute in the world. Also many institutions abroad are just making money, tuition fee is very high as compared to the quality of education. So you should be very decisive, once you go there, you'll have no friends, no family members so you'll have to take independent decisions of your own.

If you are able to do that then I think going to US is a fine idea ,go there, have experience , develop your personality, expand your horizons, come back and serve your nation.

With the increasing number of colleges and there by the flood of engineers coming in market, will they be able to establish themselves?

Strength of any country is its engineer's. Student should be prepared for everything .Government can not create job for everyone. Education cannot be taken as job seeker, it should be used to solve national problems. In India we rely heavily upon farming (~80%) so creating jobs in other sectors is comparatively difficult as compared to US where dependence on farming is only 15%.

So a student should have a burning desire in order to establish himself.

What do you think about our current education system .What extra is needed to improve it?

Education system should be such that student should come up with new ideas. Present system is trying to give a philosophy that cram things and get good scores.

An observation says that whenever new innovations come up they are

from the integration of different fields , new branches like bioinformatics, came up because of combination of different fields .

Students should look beyond their field and go into the field from where they can view the problem from different angles. A complaint which is often heard is that the university is not paying proper attention to the problems. I think there is a need for new policies and change of education trend .It has to be at par with other private institutes and organizations of world reputation.

Extra thing needed is management. We have resources but we need forces to align them, in order to be competent in the world market. Problem, which we are facing, is that when it comes to real work no one turns up.

Talking about our institute, how well has our institution come up to your expectations?

Our institution is very young and every young institution faces a lot of problems, places where I have worked were all well established. At early stages every institution faces problems regarding infrastructure, facilities, experienced faculty etc. we need to unite ourselves and take active part and involve in every latest project. We should know how do we take our next step.

Tell us something about the progress of SKIT infosys ?

It's an autonomous body of SKIT, it has so far not made expected progress software development is lagging because of the tight college schedule and other related problems. Thus proper planning, management and evaluation is necessary, students should be allotted live projects of industries so that they can make their approach analytical.

Few short questions at last,

Your ideal of life.

An ideal for me is a person whom I have never met. Two people have really fascinated me. Swami Dayanand Saraswati and Vivekanand. They develled life on the Vedic philosophy that include samanvaya and sahishnuta.

Message for SKIT engineers?

Start working as a team,develop discipline in life, feeling of working together. Avail the opportunity of a young college and try to think big

As there is a famous saying

Good better best never let it rest until your good is better and your better is best.

What is success?

Well, everyone has mainly two aspects regarding being successful that are knowledge and money, which one is to be preferred is a genuine problem and not a hypothesis. You spend a lot of money to get education, don't get knowledge and you will save money. But parents decide not to save money and opt for providing education, this is a higher goal. Money is not a goal in life but a resource. If your goal is clear, you will be happy and also money will come to you.

> **Be a first rate version of yourself instead of a second rate version of someone else.
> We are what we pretend to be, so we must be careful about what we pretend to be.**

Faculty

Mr. Surya Kant Rathi
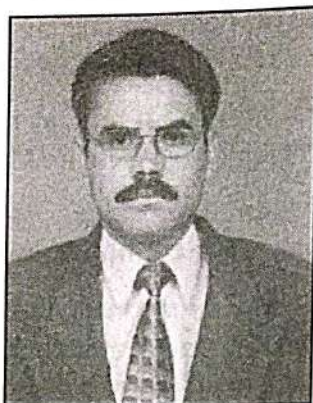
Mr. Chothmal

Mr. Mahesh K. Pareek

Mr. Mahesh Kumar Gupta

Mr. Sant Kumar Singh

Miss Shalini Puri

Miss Neetu Thanvi
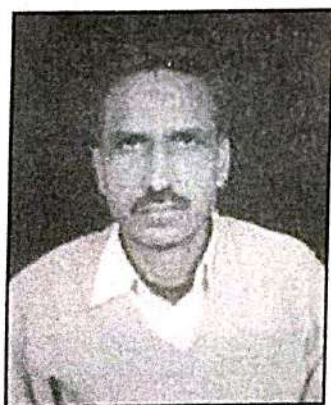
Mr. R. P. Soni

Mr. Ajay Mathur
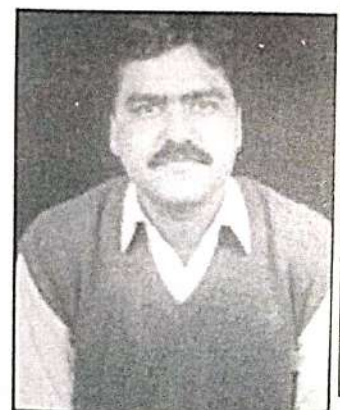
Mr. Ramesh K. Pachar

Miss Kalpana Tomar

Ms. Suman Chakla

Mrs. Pramila Bafna

Ms. Shushmita Majumdar

Dr. Sangeeta Vyas

Mr. Amber Srivastava

Mr. Subodh Bhatt

Ms. Ekata Kaushik
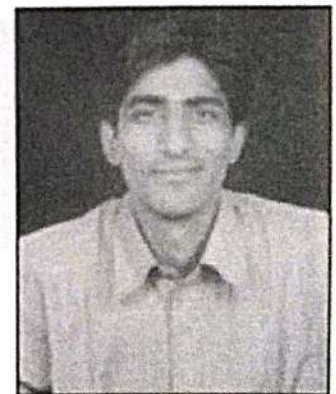
Mr. Jai Prakash Bhami

Mr. Anoop Singh Poonia

Mr. Manish Choudhary

Miss Prachi Sharma

Ms. Karuna Jaswani
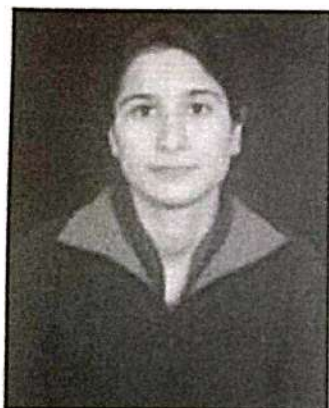
Miss Tina Durgia

Ms. Kajal Ojha

Miss Shalini Krishnia

Mr. Kamal Kumar Govil

Mr. Neeraj

Mr. Vikas Mathur

TECHNOLOGY

It Boom Time Again

Mr. Chothmal
Head of Deptt. Computer Science

Did anyone say slowdown in the software industry? You might hear those words uttered in the United States but here in India it's all systems go. And no body else then the world's richest man , Bill Gates , Chairman and Chief Software Architect of Microsoft , stated that is declaring it : " US multinationals are offshoring more and more larger software projects to India and that's why Indian companies are growing in terms of volume and revenue. They're moving up in both the size as well as in the complexity of projects they take.
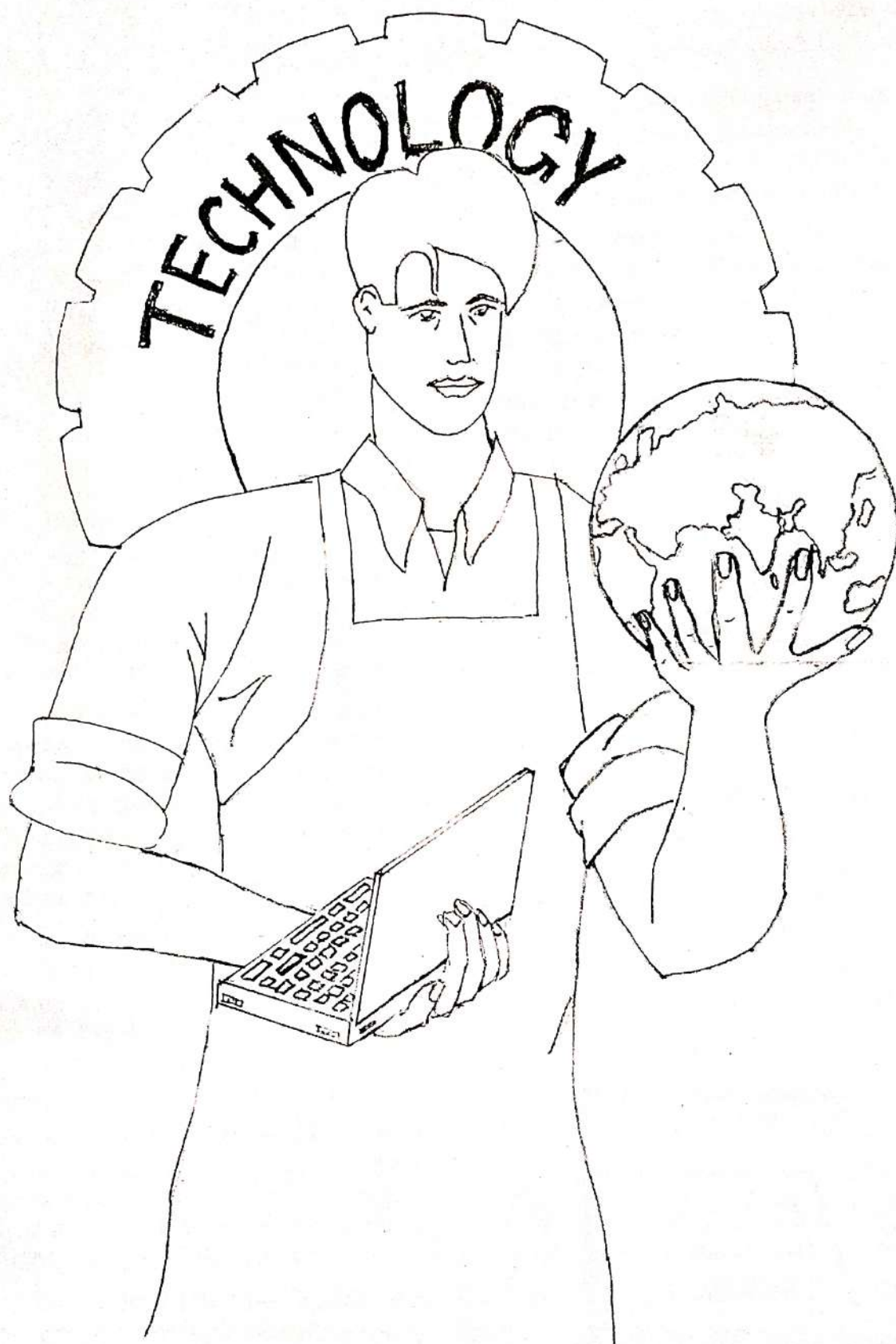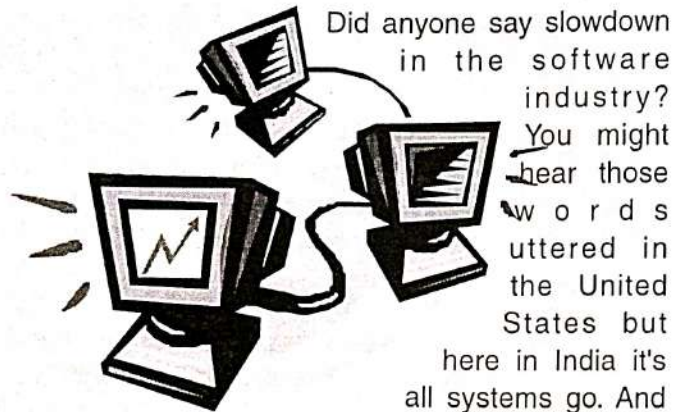
Gates's e-bulletin predictions were coming true even as he spoke. In the last few days, the Indian InfoTech fraternity has been a buzz over two mega deals that could be a sign of things to come. Wipro and Tata Consultancy Services (TCS) together snared a three-year $70- million contract from GE Medical in the face of stiff competition.

Yes, there's a budget freeze and slowdown in the United States. But and this is a silver lining for India that's forcing US companies to head for cheaper offshore destination like India . And, the result: more companies than ever are offshoring projects to save cash.

Software association Nasscom has been documenting the changes which are overtaking the industry. It reckons that in the next 12 months 30 per cent of work (over $3 billion a year) in the software services will cross over $25 million a year.

The software association also predicts the number of customers with projects of over $5 million a year will leap by at least 10 limes in the next two to three years.

But it isn't only size that counts. Indian Companies are also shifting gear they are nabbing more complex software projects like system integration, network infrastructure management and packaged software support and installation.

Industry estimates are that three years ago the average tenure of a software contract was three months to six months. Now that's climbed to between 9 and 18 months. And that, according to NASSCOM, means more money for Indian companies. A three month project typically fetches revenues of $250,000. But average revenues for projects between 6 and 18 months could range from $500,000 and $2 million.

Even the relationship between companies and clients is undergoing a fundamental shift from 'people centric' to 'project-centric' to 'solution - centric 'to 'partnership centric'.

Why are US companies pushing bigger and better projects towards India to paraphrase Bill Clinton: "its cost stupid ". The rush of larger projects to India is good news for India's biggest companies but for second -tier companies it could spell trouble.

That might be a cause of worry but at the moment, with India being the favorite hot spot for outsourcing, no one is really complaining. Especially if you have the richest man in the world investing a staggering $400 million in India and saying he considers this country to be the "Software Superpower "of the world.
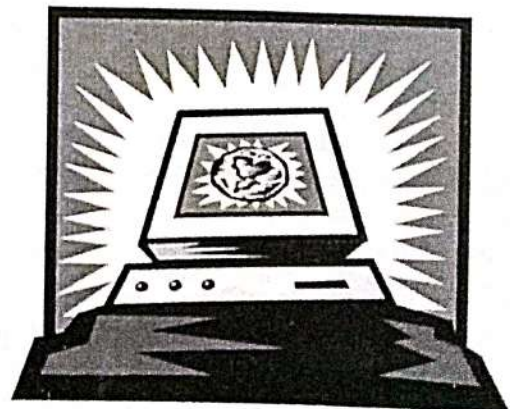
Intelligence in the Real Time Systems

Mahesh Pareek
Computer Deptt

A real time application is a mission critical application which, if delayed even by a nanosecond, may generate an unpredictable loss in terms of money and human life, As in launching of the PSLV, a small fault can cause a loss in crores and fault in air traffic control system may cost many lives.

A system which works in real time concept must bear at least a level of self learning or understanding or intelligence which helps the system to work properly in taking innovative decisions, when an exception occurs or while scheduling the tasks on multi processors (distributed systems).

An exception is a situation when the system haults because of some unpredictable error. In such a situation the application can be terminated or resured to the next level but to work on the real time concept our system should be furnished with an intelligent exception handler.

An intelligent exception handler can be a periodic task which activates whenever an exception occurs in the system and this task performs the same function that the system would have performed if the exception would not have occurred. This intelligent periodic task should be scheduled in real time schedule of the system.

To implement the concept of the intelligent exception handler the following approaches can be used

Knowledge Base

A prior knowledge base of the exceptions occurred and the steps taken in such a scenario can be maintained as a database. If any exception occurs in the system, the system interacts with the database in the real time. If a similar exception had occurred earlier then the corrective measure of that exception can be used as an intelligent result of the exception . With this result the system should again start as if no exception had occurred.

If such an exception is not found in the database then the system should identify the productivity of the exception i.e. if with the occurrence of the exception, system fails, then taking productivity into account the system should replace the exception with the nearest result. To find the nearest result again the system can use the concept of artificial intelligence by replacing the result. The system should find the probability of the success and then compare the newer productivity with the earlier productivity.

Advance Simulated System

If we are in a state to implement our real time application i.e.we have finished with design and development, then before the actual implementation we have to develop an exact simulator of our system. In the simulation, the concepts of simulation & modeling can be used.

Now we will run both the systems in parallel with one simulated and other the actual real time system .The simulated application will be started a unit time ahead of the actual system and both the systems will work simultaneously. As both systems use the same real time application, so if any exception at particular time occurs,it will occur in the simulated system first and we will have a unit time to correct the result in the actual application.

The corrective procedures can be implemented in two ways.In static result approach a collection of results will be stored and out of this data the correct result will be replaced. But in dynamic result. The result will be generated at run time taking account of various parameters of the exception, application and the stage of the application at the time of occurrence of the exception.

Analytical Engine approach

In this approach of intelligent exception handling, an analytical engine that may work statically or dynamically will be loaded parallel in the system and this engine will generate the correct result of the exception and the system will continue without hindrance.

The engine can be developed using various analytical, mathematical and statistical approaches with the concept of intelligence.

Is there life elsewhere??

Divya Bhargava
VI Sem. E & C

The Enigma of the existence of life elsewhere still remains unanswered for even 35 years after we conquered our Natural Satellite moon. And this further requires years of concerted research to come out with answer.

Most of the astronomers say that the probability of there being another star with a planetary system similar to our own is high. So far however, they have been unable to find one. *The main problem is that the stars are much brighter than any planet.* For example, even relatively near stars are much larger and brighter than any planet. For example even a relatively near star such as **Tau Ceti** (10 light years form earth) would be ten billion times brighter than any planet orbiting it. Light waves, therefore, are of little use to any one looking for another planetary system.

DETECTING OTHER PLANETS

There are several ways of detecting planets. One method is to search for minute "perturbations", or variation in the movement of the star through space. The perturbations are likely to be caused by the gravitational pull of attendant planet.

Astronomers using the sixty-one cm refractor telescope at the **Sproul Observatory, Pennsylvania, USA,** first began to use this method during the 1930's. The telescope is capable of providing accurate measurements of the movements of the positions of stars.

Several stars were suspected of having companions with masses of only a few percent of the stars. One star, however, has been of particular interest –**BARNARD'S** star, the second closest star to our solar system.

During a prolonged period of observation between 1938 and 1982, astronomers detected perturbations in the movement of **BARNARD's** Star. They seemed to indicate the presence of two companions with masses comparable to that of Jupiter. However, despite the huge amount of data collected about **BARNARD's** Star at the **Sproul Observatory,** other astronomer remain skeptical of the results. Other observatories failed to detect any perturbations. Some astronomers believe that the "perturbations" were actually caused by movements in the positions of the telescope rather then that of the star.

Research similar to that undertaken at the **Sproul** has been conducted by Canadian observatory at the dominion astrophysical observatory. Between 1981 and 1987 they observed 16 stars. Some of them seem to have planets orbiting them, with masses ranging from 8 to 10 times the mass of Jupiter.

The detection of infra red radiation in space is another method of searching for the planets. Infrared wavelengths are particularly suited to planet hunting because charge emits energy at short wavelengths, while planets (which absorb the low wavelength energy and then radiate it) emit longer wavelength energy. Consequently it is much easier to detect the differences between infra-red energy waves then it is for light waves.

The Infrared Astronomy Satellite (IRAS) launched, as a joint venture between the USA, UK and Netherlands in 1983, discovered that several stars were emitting more Infra red radiation than was predicted in Astronomical models. The only explanation that the astronomers could come up with was that the excess radiation betrayed the material surrounding the stars.

The excess of radiation being emitted from around the Beta Pictoris, a star in the Southern Hemisphere was so great that it discovered it warranted further investigations. Astronomers discovered that then star was encircled by huge disc of matter extending to a distance of approximately 100 billion Kilometers. The disc tilts at an angle of between 5 and 10 degrees to our line of sight, and is thought to be composed of billion of particles collecting together, or " snowballing". Some astronomers have that this may be planetary system in formation.

ATTEMPTING TO MAKE CONTACT

Although the first attempt to make the contacts with alien civilization elsewhere in the universe had many critics in the early years, the scientific community, now generally accepts the search for the extra terrestrial or SETI. In fact, the pioneer 10 probe, which was the first probe to leave our solar system, was fitted with a plate indicating the position earth in the solar system and representation of humans.

NANOTECHNOLOGY
Thinking small to think big

Pramod Gaur, Abhishek Vyas
VI Sem. (Comp.)

Sounds too good to be true? Not for the few breed of scientists who believe that the 21 century could see all these science fiction dreams come true. Thanks to nanotech, a hybrid of chemistry and engineering that has opened up a whole new world of possibilities which if taken to their logical conclusion would completely change us and the world as we know it today. Indeed so exciting are the prospects of this revolutionary science that countries all over the world are investing in the research and development of Nanotech. Clearly it is slowly but surely capturing the attention of scientific community, the media and now the public.

Nanotechnology is manufacturing (at the molecular level) things from nano-scale components. A nanometre is one billionth of a metre. Nanotech proposes the construction of novel scale devices possessing extra-ordinary properties. Through the development of such instruments and technology it is becoming possible to study and manipulate individual atoms.

At present, conventional manufacturing techniques manipulate billions of atoms at a time using large-scalede formation methods like pounding and chipping. In the future, molecular technology will allow complete control over the placement of individual atoms.

Nanotechnology is often referred to as "bottom-up" manufacturing because it aims to start with the smallest possible building materials (atoms), using them to create a desired product. Working with individual atoms allows "atom-by-atom" design of structures. While in most chemical reactions, unwanted byproducts are inevitable, nanotechnology can eliminate these unwanted byproducts thus easing the process.

Nanotechnology would allow us to get essentially every atom in the right place, make almost any structure consistent with the laws of physics and chemistry that we can specify in atomic detail and have manufacturing costs not greatly exceeding the cost of the required raw material and energy.

To get every atom in the right place, special machines are needed, often termed Assemblers that can force site-specific chemical reactions , a nano scale that can be programmed to build more complex nanomachines.

We can find the scope and application of the nanotechnology in the field of biology nanomachines, ecology, food production, aerospace, nano economy etc.

Also, while nanotechnology does propose to use replication (to reduce manufacturing costs to a minimum), it does not propose to copy living systems. Instead, nanotechnology proposes to build molecular machine systems that are similar to small versions of what you might find in today's modern factories. Robotic arms shrunk to submicron size should be able to pick up and assemble molecular parts like their large tools in factories around the world pick up and assemble nuts and bolts.

Research and development into the basic capabilities of nanotechnology should continue, and should specifically include research into the less pleasant capabilities of this new technology so that we can effectively develop detection systems and counter measures.

Nanotechnology's potential to improve the human condition is staggering. We would be shrinking our duty to future generations if we did not responsibly develop it.

If you love someone, you need not tell; for silence speaks louder than words and the one who doesn't understand your silence, will probably not understand your words.

Story of our Planet

Mahender Beniwal
Comp . Deptt.

In an endeavour to conquer the unchanted world, man has come a long way now. But do you know when and how our own mother EARTH came into existence?

Various hypothesis have been proposed from time to time to explain origin and evolution of earth. According to most popular hypothesis, earth was formed from disc- shaped clouds of gases and dust around the sun. The planet was formed by gradual aggregation of the dispersed matter in the cloud. The primitive sun had a considerable magnetic field. Because of this magnetic property of the sun hydrogen ions accelerated in the dust cloud. This resulted into solid larger masses in the inner part and gases moved outwards. Due to this transfer of momentum from sun to the gas ions, sun's rotation slowed down.

This is a small story that how earth came into existence. But how many years ago?

It was about 4600 million years ago. This age of earth can be calculated from radiometric dating. With the help of seismic waves (earth quake waves) we can know the interior of the earth.

Based on geological evidences, Wegner proposed Continental Drift Theory in 1910. According to this theory, at the beginning of Mesozoic Era (about 200 million years ago), the whole earth was a supercontinent called "PANGAEA". The vast ocean surrounded it was called first Pangaea broke into two landmasses called Gondwanaland and Laurasia. Gondwanaland was Southern landmass and Laurasia was Northern huge landmass. Gondwanaland included India, Australia, South America, Africa, Antarctica and Laurasia included North America, Greenland and Eurasia. Theory of continental drift received evidences from palaeomagnetism (earth's magnetic field recorded in the rocks at the time of their formation), organic belts, glaciation periods, fossil assemblages etc.

The breakup of Pangaea began in the Triassic period about 200 million years ago as a result Laurasia was separated from Gondwanaland. Gondwanaland itself started breaking up into small continents in Jurassic period (about 190 million years ago). India was in Southern Hemisphere and started to drift towards Northern Hemisphere and is still drifting towards North.

The entire earth is composed of seven major and about 20 minor rigid but relatively thin plates. These plates are continuously in motion with respect to each other. According to seismic evidences these plates are 100 to 150 km thick and composed of both continental as well as oceanic crust with them. When these plates collide against each other several tectonic activities take place like earth quakes, volcanism etc.

At the end of Cretaceous period (about 65 million years ago), Madagascar was separated from Africa. About 40 million years ago, India collided with Eurasia and produced Himalayan Mountains.
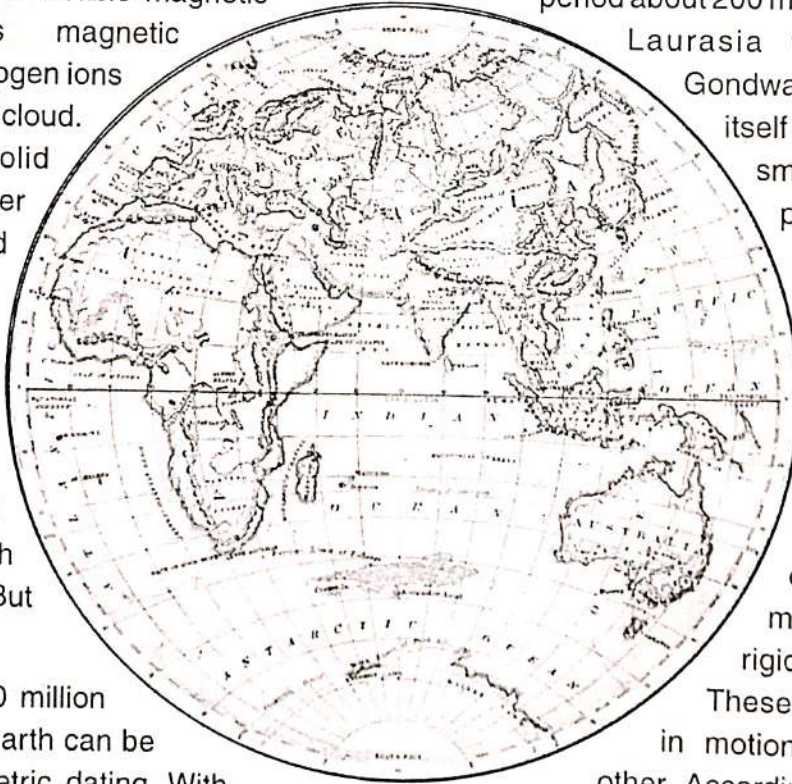
KEEP AN EYE ON SPIES

Nidhish Dixit
VI Sem. Comp.

SPYWARE, here is another slice of the Net's under belly for you, Parasitic Programs that trespass into your PC and prey upon your privacy. As if unwanted e-mail and even unwanted viruses weren't enough, here's another cyber-nuisance to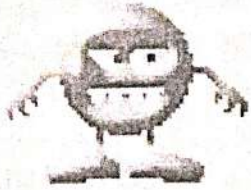 content with. It is known as Spyware in online parlance. It is just like surreptitious software gimmick that get something out of you, your personal information and surfing habits. Typically, Spyware is used to direct cartloads of advertising straight at you, so it is also called Adware or Trackware. Strictly speaking, any program or site that collects data on you, without your knowledge and consent isn't Spyware.

Real Networks were caught in a controversy over its quiet profiling of users listening habits. There are other names too, like Aureate/Radiate, Gator and Comet cursor. Instant messengers and file swapping software are other inlets. Spyware could span the whole gamut of software or hardware from high end surveillance system to cookies reader that pick up information on you.

There are literally hundreds of programs freely available and easy to use that will capture and record or write, every website you visit, every e-mail you read or write, every chat you have and also pick up your banking information and a lot else. The most common type of Spyware is the one that logs information about the user, possibly including password, e-mail address, web browsing history, online buying habits, the PC's

configuration etc. This information is then directed to an advertiser who is able to target you for potential business. You end up with more spam, redirected and pop up browser windows, banner ads in software etc.

Spyware database, when visiting doubtful sites, watch the browser's security settings and cut down on cookies or browse anonymously through anonymizer.com. Use a firewall like zone alarm from zonelabs.com to keep an eye on both incoming and out going activity and strengthen security.

Getting rid of Spyware isn't easy. You can't count on the internet laws. You can do a lot to prevent Spyware or keep it down to minimum. First of all, watch where you pick up your freeware and shareware from. Stick to credible sites and use spychecker.com to see if your program is in the

To check your system for intrusion and to remove Adware, use Ad-Aware (@download.com). It scans your computer for suspicious files, add modules, installed components and registered entries and removes them for you if you choose so. There are more advanced removal methods at www.cexx.org/adware.htm for components that are hidden deep within windows configuration files, including how to make a dummy executable files and trick the installer into thinking the Spyware is installed on start up.

There sole purpose is to worm their way onto your computer and assault you with paid advertising all day and Trojan horses like Net Bus and Back orifice. Like spam and viruses, you can't ignore Spyware and hope that they will just go away. If Net companies use business tactics that exploit your trust, stay a step ahead and protect your PC because you have every right to be on the Internet and get the benefit from it.

The Architects of I. T. Solutions

Ruchi Singh
IV Sem. I.T.

Specialisation is the watchword for all those who want to rise above the hoards in the job market today. And if you are a Solutions Engineer your next logical step (after gathering the requisite experience) is to get into the role of a Solutions Architect.

Ideally, if you want to excel in the field of solution architecture, you need to have strong experience with Object Oriented software, a good foundation in software implementation, and experience in working with customers. Besides this you will also require a strong technical background in information security and software development because broad industry skills are required to successfully manage interoperability integration of technology with diverse 3rd party applications.

- Thorough understanding of new internet/intranet/e-commerce developments.

- Insight into the advantages and shortcomings of different platforms and their suitability to client requirements.

- An aptitude for technical writing.

- A degree in Engineering, Computer Science or equivalent qualifications preferred.

Before stepping into the shoes of a Solution Architect, you need to have a minimum of three years of experience in the design and development of systems infrastructure across multiple platforms.

What's the role of a Solutions Architect?

Solution Architects are software experts who work with clients to structure and conduct evaluations of enterprise solutions. They perform a wide range of duties - from delivering technical presentations and demonstrations to managing the evaluation process, conducting detailed requirements analysis, understanding the competitive marketplace, performing technical account management and delivering proof-of-concept and prototype projects.

Solution Architects provide highly specialised knowledge and technical approval on a program during proposal writing, solution design and its implementation. They also review technical elements of contracts, service agreements and requests for information. Besides a good grasp over technical fundamentals and the ability to think clearly solution architects also need to be creative and good communicators. They need to communicate with clients, to understand their business requirements, consider available solutions and design innovative solutions that meet the customer's needs.

What additional skills will add value to the resume?

Along with honing these qualities you can opt for a full-time diploma course. It would also be a good idea to acquire CCIE and/or Java Architect certifications, from CISCO and Sun, respectively. Besides these vendor specific certifications you can also go for third party certifications like Brainbench, by appearing for examinations like Internet Technology Fundamentals, OO Concepts, OO Design Patterns, Systems Analysis and Data Modelling Concepts.

Another useful initiative would be to refer to some books like Object-Oriented Modelling and Design by James Rumbaugh, etc. This is commendable mainly for its clear and thorough exploration of the Object Modelling Technique (OMT) You can take the concepts presented here and adapt them to your individual situation. So the role of a Solution Architect is similar to that of a Building Architect. Although he is not involved in the actual construction, his contribution to the final output is invaluable.

No greater pain can be borne by an individual who places his efforts for others, than to know no one cares or understands.

Security Systems for Wireless Network
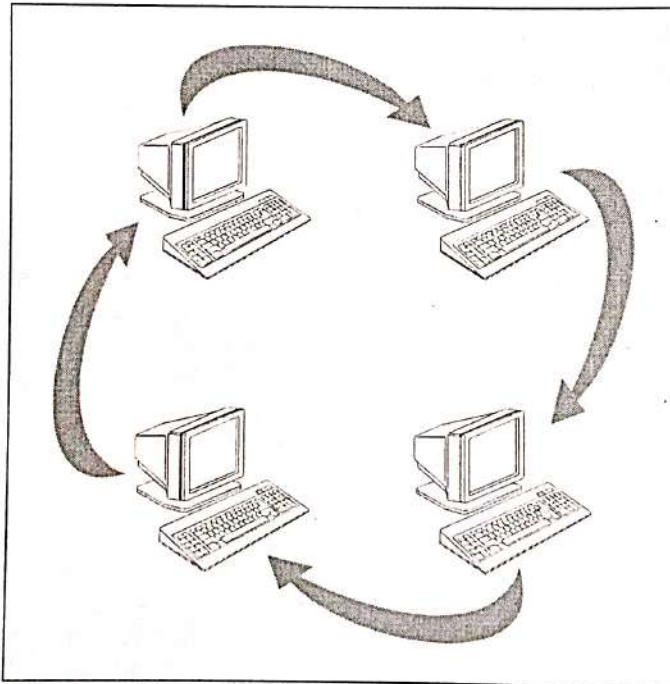
Rahul Mehta
VI Sem. I.T.

Over the next few years wireless LAN will be a major technology driver. However well documented security problems are associated with WLAN. The Wired Equivalent Privacy (WEP) standard was intended to provide privacy for 802.11b WLAN's that are equivalent to the privacy on wired network.

Unfortunately there are serious flaws in both the standard and proprietary extensions that many vendors have adopted. In an analysis of WEP performed for AT&T Labs the following advice was offered to the user of wireless network:

➤ Treat all wireless networks as external to corporate network. That is, put a firewall between the wired corporate network and each wireless access points.

➤ Authentication and Authorization (AA) server such as the one in secure computing safe word. Premier Access product to authenticate the wireless devices and/or the use of these devices either at the wireless AP or at a corporate firewall.

➤ Communication among authorized device on the wireless network should be encrypted. The best solution today is to deploy IP Sec VPN clients to the wireless devices and connect them to an IP Sec firewall's VPN gateway.

➤ With IP sec the firewall / VPN gateway can become a bottleneck, having to decrypt and re-encrypt all the traffic between devices on WLAN.

➤ There is an implied requirement for secure group communication among wireless clients as well as client-to-gateway communication. Providing client-to client VPN connectivity requires messy key exchange among every pair of devices.

➤ It can be difficult to deploy and manage a large number of IP Sec clients.

➤ Finally, IP Sec was not designed with mobility in mind.

➤ The advanced technology Division at secure computing is developing a new network encryption technology called Virtual Private Groups (VPGs) that address these concerns. The VPG technology provides confidentiality and integrity services for group communication while simplifying key management. Any one outside of the group sees only encrypted traffic that looks very similar to VPN traffic.

Unlike IPSEC the VPG mechanism runs entirely in the network layer of protocol stack and is completely transparent to the most OS and applications. This makes it easy to deploy and maintain on the wireless devices. The wireless devices in a group do not all have to be connected through a single access point, so mobility is not a problem for VPGs.

With its simple, dynamic approach to key management, VPG technology address several of the problem inherent in IPSec and WEP. It is easy to deploy and manage and it provides a way to quickly enable and disable secure communication among any group of devices on a wireless or wired network.
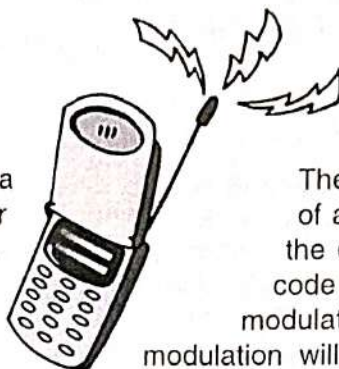
CDMA TECHNOLOGY

Ruchi Singh
IV Sem. I.T.

In satellite communication ,a transponder is a common resource to be shared by a large number of ground stations for multiple simultaneous communications .Techniques are required to access and share the common transponder capacity. One of them is CDMA (Code Division Multiple Access) technique. CDMA was commercially introduced in 1995 with the IS-95A Standard . In this technique, there is one more dimension i.e.CODE(orthogonol) in addition to frequency and time (as are in FDMA and TDMA).

In CDMA ,individual bits of a message are encoded in terms of unique digital codes .Many stations ,each having its own unique code, transmit their signals simultaneously. The signals are discriminated by means of a cross correlator,using the code of the desired transmission as the reference code.

CDMA uses a unique coding for each call or data session which allows your mobile device to disregard other transmissions on the same frequency. In effect CDMA lets everybody in the area use the same piece of spectrum, and separates the calls by encoding each one uniquely. Since co-users are isolated by codes rather than frequencies, thus ability to reuse frequencies is very high. This further enhances the overall spectral efficiency. If these codes are orthogonal, they will isolate the users in the Code Dimension.

The system works with 64 kBits/sec data, but can accept input rates of 8, 16, 32kBits/sec and less than 64 kBits/sec are padded with extra bits. For inputs, the system applies Forward Error Correction (FEC) coding, which doubles the bit rate, up to 128 kbits/sec. The Complex Modulation scheme transmits two bits at a time, in two bit symbols. Each component of the complex signal carries one bit of the two bit symbol,at 64 kbits/sec.

CDMA is a form of Direct Sequence Spread Spectrum communications .The signal occupies a bandwidth much greater than that which is necessary to send the information. This results in many benefits, such as immunity to interference and jamming and multi-user access.

The bandwidth is spread by means of a code which is independent of the data. The independence of the code distinguishes this from standard modulation schemes in which the data modulation will always spread the spectrum somewhat.The receiver synchronizes to the code to recover the data. The use of an independent code and synchronous reception allows multiple users to access the same frequency band at the same time. In order to protect the signal, the code used is Pseudo-random. It appears random, but is actually deterministic, so that the receiver can reconstruct the code for synchronous detection. This pseudo-random code is also called pseudo-noise (PN).

The CDMA system works directly on 64 kbit/sec digital signals. These signals can be digitized voice, ISDN channels, modem data, etc. In signal transmission a pseudo-random code is generated, different for each channel and each successive connection. The Information data modulates the pseudo-random code (the Information data is "spread"). The resulting signal modulates a carrier. The modulated carrier is amplified and broadcast.

For signal reception the carrier is received and amplified. The received signal is mixed with a local carrier to recover the spread digital signal.. A pseudo-random code is generated, matching the anticipated signal. The receiver acquires the received code and phase locks its own code to it. The received signal is correlated with the generated code, extracting the Information data.

CDMA may be used in two ways . Firstly , every transmitting station uses its own PR sequence encoding data and a receiver station uses a seperate corelator for each station it wishes to receive.In the other way, transmitting station has to choose the PR sequence of the destination station to encode its massage. CDMA is currently used by millions of cellular voice subscribers. In India, NICNET, RABMN, AIRTEL and RELIANCE is using this technique.

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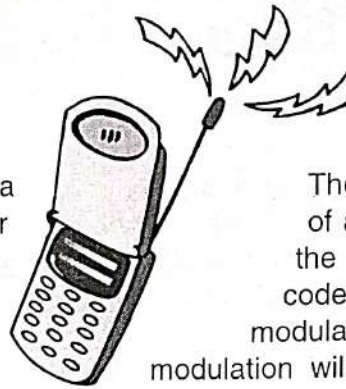
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BIOMETRICS

Divya Bhargava
VI Sem. E & C

A new measure in the field of security is Biometrics. A Biometric works in the same manner as a human recognizes the other, like your identification by the security guard. This helps in improving the security features, along with the security passwords, since now Computer will recognize you by your Biological characteristics, so now you don't have to remember the passwords anymore.

1. Most convenient, great for public places.
2. Cheap and easy to deploy, convenient for personal use.
3. Affected by changes in lighting, age, posture, movement, glasses, etc..

Biometrics systems are unique in matter of having False Acceptance Rates (FAR)-the probability of the system falsely accepting a metric as a match, and False Rejection Rates (FRR) where the system fails to recognize an authentic Bio signature. For a system to be successful , both have to be within acceptable low limits.

One of the most striking use of Biometric technology is to identify the victims of the carnage in the US. The FBI is asking the relatives of the victims to send in their personal objects from where they can get the victims DNA samples. Biometric technologies are used to accurately identify and verify an individual identity. This involves identifying his physiological and behavioral characteristics. Biometrics, in general, refers to the study of Biological characteristics. With reference to computer security, it refers to authentication techniques using biological characteristics that are measurable or identifiable and unique to an individual.

Biometric systems are not flawless, as some are easy to fool and others are not easy to implement due to high installation and maintenance cost.

Different methods of identification :

1. **Finger Print Verification :**

   User places his finger on a glass plate which resides over a high resolution CCD camera . The captured image is matched with the previous image as stored in the database. Actually, number of minutiae are matched and accordingly access is provided. This is not much expensive and is easy to implement. It also provides high level of accuracy.

2. **Hand Geometry :**

   Compares 3-D image of user hand with image in database. Requires greater discipline from user as is complex in usage. Accuracy in comparison to fingerprint is more, but is expensive to implement as high resolution is required for 3-D imaging.

3. **Signature Dyamics :**

   A signature can be broken- down into direction, speed, pressure & length. Its limitation lies in the inconsistency with which a user makes his signature. This reduces accuracy and thus it is employed where precision is not very important.

4. **Voice Dynamics :**

   In this, system creates an image of person's voice pattern by asking the person to repeat certain phrases. This is prone to inaccuracy as it relies on behavior rather than physical characteristics.

5. **Retinal Scan :**

   Involves imaging of the blood vessels in the retina of the eye when infra-red light of certain frequency and wavelength is incident upon it. The extent to which this energy is absorbed by the blood vessels is different in different individuals. Distance of eye from scanner is not more than 1-inch. This method of imaging is personally invasive since it involves the projection of a laser-beam through the cornea of the eye. Also cataracts or infections affect the evaluation by the system and could return inconsistent results. Extreme skills, discipline & patience is required.

6. **Face Recognition (Eigen Faces) :**

   To recognize a person after a meeting is human ability & now it is possible with computers and this is known as facial recognition. This works as a password. Patented by MIT. Computer takes the photograph of a person, each face has different light & dark areas thus by combining 100-125 Eigen faces already stored in database, person can be identified. This lacks efficiency when facial expression changes.

Telecom Technologies

Communicating better

Abhed Misra
VI Sem. E & C

In today's shrinking world telecom technology are on front, coming up with better and better options everyday. The mobile communication started all with GSM (Global System for Mobile Communication) based upon mobile phones, but today the upcoming technologies like GPRS and CDMA are being implemented as well.

GSM facilitated its users with SMS (Short Message Service), which proved to be killer of the competitors. But even a hole in ship makes it sink and it was with GSM. Although, Internet access through GSM phones has been possible and has been offered but it did not really take off because the technology provided limited bandwidth. Also GSM provided much less speed of 9.6-14 Kbps alone.

But in this fast moving techno world better and better options continue coming up. The problems being faced in GSM alone (which Employs Circuit Switching) were resolved with GPRS and CDMA technologies. GPRS and CDMA support much higher bandwidth. GPRS also enables mobile networks to provide speed (171.2 Kbps) much higher than GSM alone.

GPRS employs Packet Switching and aims to provide anytime anywhere "always-on" network connections to mobile devices.

For each of our data requests over GSM, first a connection needs to be established with network and after communicated need to be disconnected. This requires a dedicated connection whereas using GPRS and it's packet switching technique, both the mobile device and network send packet as and when have to, without having to wait for the connection to be established.

GPRS provide their subscribers the facility to access any of the related applications-web browsing, mail etc. Integrating GPRS with GSM does not involve major changes to GSM architecture. A new class of node, GSN (GPRS Support Nodes) has been introduced and two types of GSNs defined. A SGSN (Serving GPRS Support None) interacts with mobile devices and is responsible for delivery of data package from and to these devices.

	Circuit Switching (GSM alone)	Packet Switching (GSM with GPRS)
need for dedicated connection	Yes	NO
Bandwidth allocation	Fixed	Dynamics

Today many companies are providing GPRS enabled mobile services but not all are done with it.

Also CDMA (Code Division Multiple Access) is a facility, which provides better capacity for voice and data communications, allowing more subscribers to connect at any given time. Compared to GSM it delivers better spectral efficiency and power management, leading to enhanced battery life and longer talk time. But it has restricted roaming; meaning it can't offer international roaming unlike GSM. Absence of SIM (Subscriber Identification Module) card makes a CDMA user to reprogram his handset if he wants to change his number. Reliance Infocomm is also providing CDMA handset.

Conclusively, in field of telecom technology a lot of research work has been done and is still going on in order to provide user with better and better option and with these upcoming technologies one day the distance will be measured in second instead of kilometers.

There are only 2 hairs on a bald man's head. They fall in love with each other and want to get married. But, they cannot get married due to some difficulty……what? Think! A bit technical! As, under Indian laws "BAL VIVAH" is illegal.

BLUETOOTH TECHNOLOGY

Tharesh Sharma   *Aditya Jhajharia*
IV Sem. EE   IV Sem. E & C

A wireless interaction has always been much sought after technology for connecting devices. Earlier due to the inadequate technology, the lack of proper band-width and a proper protocol for such a system, hindered in the development of such technology.

But then a technology was devised in early 2000's by ERICSSON (a telecom major) for the successful remote interaction of these devices using a radio chip technology, which could be used over short ranges for the wireless connectivity of these devices. This technology is termed as "BLUETOOTH". Soon, a consortium of various tech major like INTEL, IBM, MOTOROLA, MICROSOFT, NOKIA, TOSHIBA and hundreds of associate companies and some 1800 adopter companies were formed under the name of SIG INC(Special Interest Group Incorporation). This is trademark and logo owned by SIG INC.

🧰 Bluetooth™

DEFINITION: A Bluetooth is a small cheap radio chip to be plugged in computer, mobile phone, printers, etc. A Bluetooth chip is designed to replace cables by taking the information normally carried by the cable and transmitting it over numerous hop frequencies to receiver. Bluetooth chip, which will then give the information received to the computer, phone whatever be the connectivity.

ELECTRONIC ARCHITECTURE

The frequency on which the Bluetooth devices work is 2.4Ghz. Bluetooth devices are either on a chip solution or on multiple chip (2or3). This is due to the fact that Bluetooth device generally consists of three parts:

1) RF part.

2) The base band processor.

3) The link processor.

Bluetooth is one of the key technologies that can make the mobile information society possible, blurring the boundaries between home, the office, and the outside world. Based on a low-cost, short-range radio link, Bluetooth cuts the chords that are used to tie up digital devices. When two Bluetooth equipped devices come within 10 meters range of each other, they can establish a connection together forming Ad-Hoc Network. And because Bluetooth utilizes a radio-based link, it doesn't require a line-of-sight connection in order to communicate. Furthermore, since the data is send over numerous Hop Frequency instead of single frequency, making the communicating system as one of the highly secure modes of transmission. Your laptop could send information to a printer in the next room, or your microwave could send a message to your mobile phone telling you that your meal is ready. As a result, the market is going to provide demand for new innovative applications, value-added services, end-to-end solutions and much more. The possibilities opened up are really are limitless, and because the radio frequency used is globally available, Bluetooth can offer fast and secure access to wireless connectivity all over the world. With potential like that, it's no wonder that Bluetooth became the fastest adopted technology in history.

Bluetooth can give you a new kind of freedom. You might share information, synchronize data, access the Internet, integrate with LANs or even unlock your car - all by simply using your Bluetooth equipped mobile phone. At first, Bluetooth will begin to replace the cables that connect various digital devices. Imagine a headset for your mobile phone that does not need a cable - calls are transmitted wirelessly to your earpiece. Or you enter a bus and your bus fare is automatically paid by your mobile phone. Or you get an automatic text message notifying that your kids are safely back from school. Or while waiting at the airport lounge, you get some interesting duty-free offers directly to your mobile phone. Bluetooth will also allow you to surf the Web with your Laptop while your phone is in your bag, or effortlessly exchange information such as calendar appointments or contacts data with your colleagues. Bluetooth might also be used in Mobile Imaging.

The Physical Process By Which A Mirror Reflects Light Rays

Surgyan Gupta
VI Sem. I.T.

The oscillating electrical field in the incoming light wave produces a force on the charges inside the mirror. Most of the charges are either too heavy (as is true for the nuclei of the atoms) or too tightly bound (as is true for most of the electrons) to vibrate significantly in response to this field. The comparatively loosely held bonding electrons, along with the free electrons present in metals, can move in response to these electrical forces, However these electrons oscillate at the same frequency as the incident light, which gives rise to the reflected wave. "Because there are a great many electrons in the mirror, all vibrating at the frequency of the incident light, reflection from the mirror is really a group effort. All the electrons dance to the same music, whose rhythm is provided by the incident light wave. This coordination causes the reflected wave to make the same angle with respect to the mirror's surface as does the incident beam.

"A typical mirror consists of a piece of glass that has been coated with a layer of metal. Glass by itself reflects a little of the light, but the metal layer greatly boosts the reflectivity. If the metal were perfectly conducting, it would reflect all of the light, but the conductivity of real metals is less than perfect. This imperfection leads to some absorption of light in the metal. A polished silver surface, for example, reflects about 93 percent of the incident visible light, which is very good as metals go. Interestingly, if the metallayer is very thin—only a few hundred atoms thick—then much of the light leaks through the metal and comes out the back. If you get the thickness of a metal layer right, you can make a beam splitter that divides an incident beam of light into two equal parts, with just a little bit of the light lost to the metal film itself. "As good as the reflectivity of a silver mirror is, you can do much better with dielectric mirrors. These reflectors consist of alternating layers of two transparent materials that have different indices of refraction.

Dielectric mirrors can have reflectivities of 99.999 percent or better at the wavelength for which they are designed. In these mirrors, essentially all of the incident light reflects, and virtually none is absorbed in the mirror or transmitted through it."

2 students were fired by their teacher for not doing their homework. They were asked to write their name 500 times. " This is not fair", protested the other child. "Madam her name is Anu and my name is Harjinderjeet Kaur Sandhewalia".

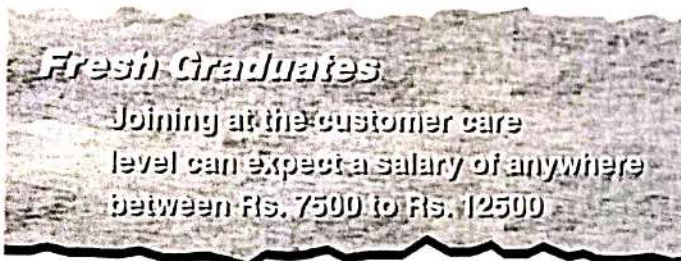Before marriage a man "yearns" for his woman. after marriage the "y" is silent.

Everything about Call Centres

Gaurav Gupta
VI Sem. Comp.

Is it possible to walk out of college and get into a job? A few years ago, answer was a resounding 'No'.

Today, however more and more youngster are getting the "Call Center" as business process outsourcing booms.

How much opportunity is there in the industry? NASSCOM predicts that, one million jobs will be created in the call center industry by the end of 2008. Already companies like WIPRO and SPECTRAMIND are recruiting around 400 people every month.

Fresh Graduates
Joining at the customer care level can expect a salary of anywhere between Rs. 7500 to Rs. 12500

SKILLS

There is no minimum qualification for this job but most of the hires are fresh college graduates. It is essential to speak and write English fluently. Computer literacy and ability to analyze problem also come in handy.

SALARY

A fresh graduates joining at customer care level are expected to get salary in between Rs.7500 to Rs. 12,500. Beside this, companies also offer perks and bonus. The targets differ depending on the type of job you are handling. Your performance is measured on parameters like salesperson, number of contacts made and promises kept.

TRAINING

There is no fixed training period; it depends on complexity and difficulty of process for which you've been employed. Training can be anywhere between 2 weeks to 12 weeks. You are trained in everything from behavior to accents product and process training. Also training is not one time affair but happens periodically.

GROWTH PROSPECTS

Promotions depend on opportunity and your resume and how you appear for the interview. Customer care executives are likely to be considered for jobs as supervisors after about 3 - 4 years. However, since most call center cater to US and EUPORE based clients, night shifts are common. So, you may very well go to work at midnight and come home at 8 am.

Patience

Our Patience Will Achieve More Than Our Force.
Patience Makes Lighter, What Sorrow May Not Heal.
Patience Is A Virtue.
Patience Is Bitter But Its Fruit Is Sweet.
Patience And Labour Will Overcome Everything.
Patience Is The Companion Of Wisdom .
Patience Is Genius.
The Key To Everything Is Patience .
Patience Is The Power Of Hope .
Infinite Patience Sometimes Gets Immediate Results.
Patience Is A Poultice For All Wounds.

Anish Birla
VI Sem. E & C
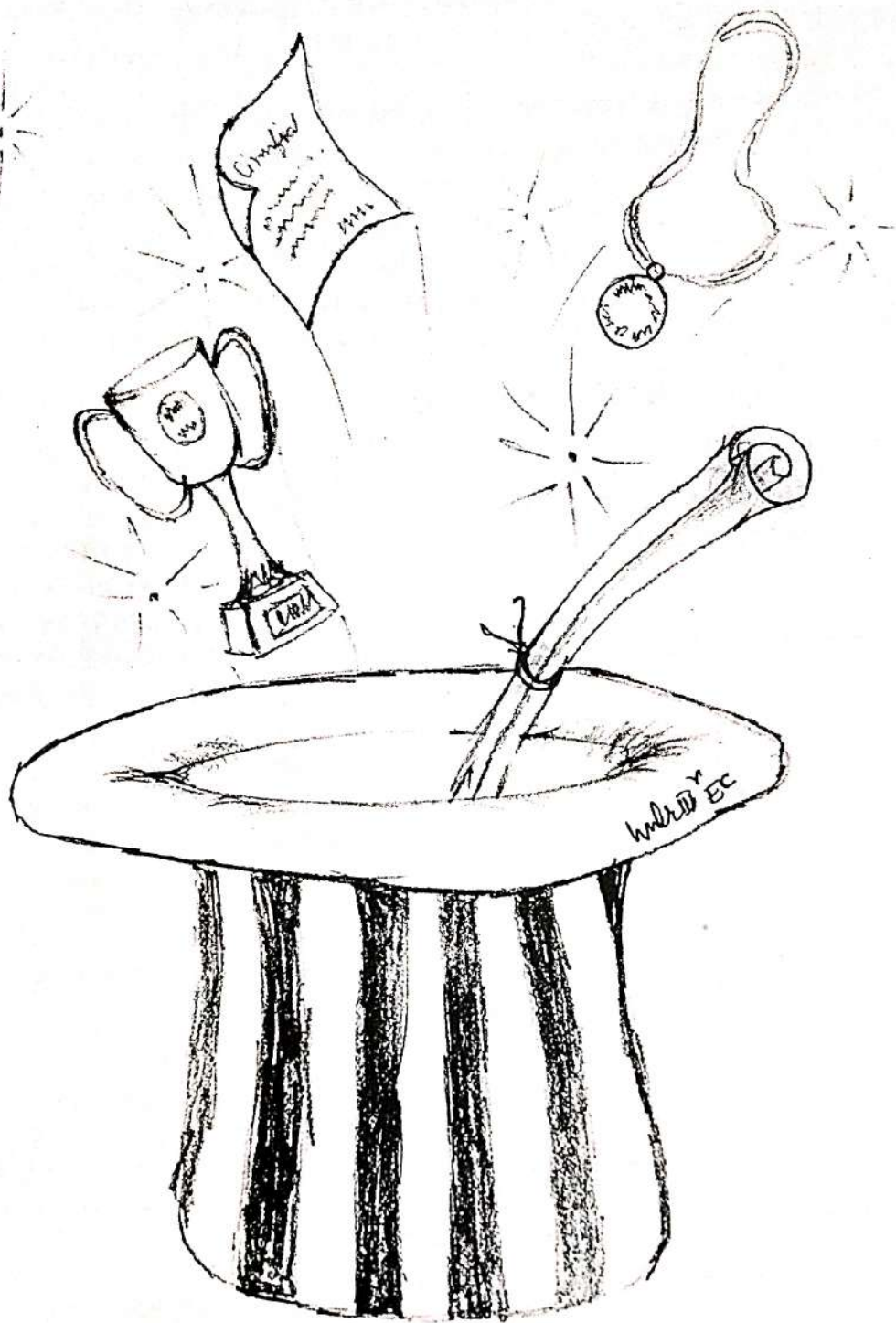
Annual Report

SKIT Progress in the Session 2002-2003

1. ENRICHMENT OF EXISTING LABORATORIES AND LIBRARY

- Electrical Machines Laboratory II and Power Electronics laboratory are set up in June 2002 the department of Electrical Engineering.
- Several new equipment and machines have been procured recently to strengthen the above laboratories.
- Two new Computer laboratories in the department of Computer Science are set up in June 2002 and each is provided with 30 computers all connected through LAN.
- These laboratories are provided with separate server rooms.
- New Software Small Business Server 2000 & Linux installed.
- An ISDN line setup is done in computer laboratory for providing Internet facility and it is planned to install VSAT connection in the year 2003.A proposal in this regard has already been submitted to AICTE for approval of grant.
- Computers are installed at other locations such as in the TPO office, hostel, mess and Warden's office.
- New laboratories such as Microwave, Communication, Digital Hardware, CAD, and Advanced Microprocessor are set up in the Department of Electronics & Communication.
- For effective utilization of library facilities a 400 sq.m. Reading room attached to the existing library is constructed and furnished on the third floor of the main academic building where students can sit and read books and consult technical journals.
- The library now houses 10,500 books and subscribes 20 Journals.

2. INDUSTRIAL CONSULTANCY, SPONSORED RESEARCH AND SOFTWARE PROJECTS

- SKIT Infosys is setup under Prof. Ram Singh.
- Training and Placement cell is created under Shri Ajay Mathur for developing better understanding between Industries and our Institute apart from arranging training and Placement for our students.
- Three staff members and students participated in the World IT fare at from October 28 to November 1, 2002 Bangalore to explore the possibility of any tie-up with some reputed software companies.
- It is planned to give software projects to our VI Semester students during summer vacation which will not only meet their summer training requirement but will also help the Institute to develop some commercially useful Software packages.

3. INFRASTRUCTURE AND CONSTRUCTION ACTIVITIES

The following construction activities have been completed during the academic session 2002-2003

- The construction of classrooms (6), tutorial rooms (2), seminar hall, toilets, and library on the second floor of the main academic building are completed and furnished.
- A 400 sq.m. Reading room is constructed on the third floor.
- The girl's hostel with 32 double occupancy furnished rooms with attached toilet-bath facilities is constructed near the main academic building .It houses its own mess on its ground floor, a common room, a recreation room, a table tennis hall, wardens residence etc.
- The boy's hostel with 124 well—furnished, single occupancy rooms has been constructed. It houses a common mess, T.V. room, recreation room etc.
- The warden's residence, guest rooms (fully furnished) attached to the boys hostel are also ready.
- Playgrounds for cricket and volley ball games have been constructed.
- Complete leveling of ground is done and a large number of trees are planted and lush green lawns developed to provide ideal environment for study.

4. QUALITY IMPROVEMENT PROGRAMS

In order to improve the quality of teaching the teachers are encouraged to improve their qualifications. The following teachers are permitted to pursue for higher studies.

- Shri Madhukar Bagaria, Lecturer in Mechanical Engg. is sponsored under quality improvement

programme to pursue for M.Tech. At I.I.T., Kanpur.

- Shri Rajendra Prasad Soni, Shri Ramesh Kumar Pachar and Shri Ajay Mathur, all lecturers in Electrical Engg. are sponsored to pursue part time M.E. at MNIT, Jaipur.

Apart from improving qualifications, the teachers are also encouraged to attend workshops, summer/winter schools, seminars conferences etc.

The following teachers are permitted during the academic session 2002-2003:

- Shri A.S.Poonia and Shri Manish Kumar, lecturers in Electronics &Communication attended ISTE-AICTE sponsored short-term training programme on "High Frequency Communication" from 9 Dec to 21 st Dec.2002 at MNIT, Jaipur.

- Shri Jaiprakash Bhami, lecturer in Mechanical Engg. attended ISTE-AICTE sponsored short-term training programme on "Tehnologies on waste to energy" from 23 Dec. 2002 to 3 Jan 2003 at MNIT, Jaipur.

- Shri Anil Kumar Dakhera, lecture in Electrical Engg. attended a workshop on VLSI design for embedded systems "from 4 to 5 January 2003 at MNIT, Jaipur.

- Shri Chothmal, Shri Mukesh Gupta and Shri Mahesh Kumar Pareek lecturers in computer science &Engg. Attended ISTE sponsored short-term course on "Real Time Computer Systems", from 21 Dec 2002 to 3 Jan 2003 at MNIT, Jaipur.

- Dr. Sangeeta Vyas and Mrs. Archana Sexana, lecturers in Chemistry attented a seminar on High Pressure/performance liquid chromatography on Nov. 15,2002 organised by M/S Waters India Pvt. Ltd.

- Mr. Mahesh Kumar Pareek and Miss Shalini Puri (along with four students from the SKIT hostel namely, Bhartendu Chaudhary, Piyush Javeria, Manish Joshet, and Shrayansh Agarwal) participated in a workshop on "Software Products: Development and Qualityt Assurance", organized by India International Institute of Management, Jaipur and supported by Sun Star Infotch Traing Center and Data Infosys Ltd on January 24, 2003.

- An eminent educationist, Dr N T Khobragade, Principal, Shri Ramdeobaba Kamla Nehru Engg College, Nagpur, Chairman of courses committee (Electrical) for Diploma Courses at the state level, Chairman BOS (Electrical) of Shivaji University, and Nagpur University delivered a talk on the subject *Future of Engineering Education in India* (Sept 30, 2002.)

- Dr. S. L. Surana has been selected as recipient of the best paper award for the year 2001-2002 by Institute of Engineers (India) for an article entitled, *"Emission Controlled Economic Generation Dispatch using Genetic Algorithms"*, published in the Institution Journal.

- Dr. S.L.Surana and Dr. Ram Singh have been conferred with membership of professional international organization The Institute of Electrical and Electronics Engineers, Inc. (IEEE), of the United States of America.

- Dr. Ram Singh has been appointed as a member of the Board of Studies in the Faculty of Engineering and Technology, University of Rajasthan, for a term of three years

5. STUDENT PERFORMANCE

The discipline wise academic performance of the students for the year 2001-2002 is given below.

S.NoDisciplineYearNo. Of Students AppearedPassed NumberPercentage

1. Electronics and Communication EngineeringIst Year 2 Year6167576393.494.0
2. Computer Science and EngineeringIst Year 2 Year8965886098.992.3
3. Information TechnologyIst Year 2 Year9161835991.296.7
4. Electrical EngineeringIst Year 2 Year5935533389.894.3
5. Two students figured in the merit list of the University.

6. FUTURE PLANS

A proposal regarding the increase in intake and for starting two new courses from the session 2003-2004 has been submitted to AICTE for approval. The detail are given below

Additional Courses proposed to be introduced.

S. No.CourseDuration(Years)Affiliating UniversityName of DegreeProposed Annual Intake

| 1 | Mechanical Engineering | 4 | University of Rajasthan | B.E. | 60 |
| 2 | Master of Computer Application | 3 | University of Rajasthan | M.C.A. | 60 |

Total Intake 120

Existing course in which increase in Annual Intake is proposed

S.No	Course	Duration(Years)	Affiliating University	Existing Annual Intake	Proposed Annual Intake
1	Electronics & Communication Engg	4	University of Rajasthan	60	90
2	Computer Science & Engineering	4	University of Rajasthan	90	120

Total Intake 150 210

In this regard the state Government has already issued no objection certificate.

7. ADMISSIONS

1. The branch wise details of the students admitted to our college in B.E, I Year through AIEEE and through RPET are given below

S.No	Branch	Seats Available	Students Admitted
1	Electronics and Communication Engineering	60	60
2	Computer Science and Engineering	90	90
3	Information Technology	90	90
4	Electrical Engineering	60	54

2. The branch wise details of the number of diploma passed students admitted to our college in B.E. II year through RPET are given below: -

S.No	Branch	Seats Available	Students Admitted
1	Electronics and Communication Engineering		6
2	Computer Science and Engineering		6
3	Information Technology		2
4	Electrical Engineering		11
	Total		25

8. EXTRACURRICULAR ACTIVITIES

Brief accounts of the various activities, which have been organized during the session 2002-2003, are given below: -

- A blood donation camp was organized on October 1, 2002 in active collaboration with the State Centre of Red Cross Society of India. The students from the schools and other colleges were also invited to make them aware about the importance of blood donation. The Health Minister of Rajasthan, Shri Madho Singh Diwan was invited as the Chief Guest. One hundred and Eight students from our college donated their blood. An Exhibition was also arranged for the benefit of the students.

- The Students of II and III Years organized a Welcome party for the newly admitted students on October 1, 2002.

- It consisted of a cultural programme in the evening followed by the dinner.

- Independence Day on August 15, 2002 and Republic Day on January 26, 2003 were celebrated as usual.

- Several extra –curricular activities like debates both in Hindi and English, Solo songs, Short Drama, Folk Dances etc. were organized on Saturday afternoons during the months of November and December 2002. The students were encouraged to participate in at least one activity.

- Several students individually and in teams took part in various State level competitions organized by the University of Rajasthan, MNIT Jaipur, Other Engineering Colleges and Private organizations and also won several prizes.

- It is proposed to organize the annual function – PRAVAH 2003 of our college between March 6 and March 8, 2003. It will include cultural events, debates, student parliament, technical paper presentation, games and sports, technical talks from eminent experts etc.

Academics

Achievements

1. Examination of the **IV Semester** & **I BE** was held and the performances of the following branches are as follows.

IV Semester	Information Technology	96.7%
	Computer Science & Engineering	92.3%
	Electronics & Communication	94%
	Electrical Engineering	94.3%
I BE (2002)	All Branch	94.1%
Honours	115 Students	38.33%
First Division	122 Students	40.66%
Second Division	42 Students	14.00%

2. Institute welcomed its third batch of students and hosted a dinner on the same evening. The third batch students presented a gala cultural programme. This gesture of the management was highly appreciated by the students and their parents.

3. During the session senior faculty members were invited from MNIT to monitor the academic progress and train our young faculty. An academic advisory board has been established in the Institute to achieve excellence in academic performance and quick development of faculty.

4. Banglore trip for I.T. Fair was organised.

5. Training and Placement Cell came into existence in October 2002 with the purpose of providing Industrial training and placement facilities to the students. Till now they have received training seats from some highly reputed organizations and they hope to get better response.

Co-curricular Activities

Education aims at the all round development of a student. Besides books, co-curricular activities also play a very important part in shaping up one's personality. This has been correctly implemented in **SKIT, M&G.**

The college promised the right platform to the students to come forward and show their talents by starting the activities. Every Saturday the stage was set for something happening. Following Activities were held.

Solo Song Competition

English / Hindi Debate (Privatization of higher education)

Folk Song and Dance Competition

Debate (Is India ready for a Technocratic Society). The aim is to organize such activities throughout session.

DON'T THINK YOU ARE, KNOW YOU ARE.

Events At Other Colleges

KASTURI

English Debate
Student Name - Tharesh Sharma & Vinu Vishwanathan.
Venue - Kanoria PG Mahila Mahavidyalaya , JLN marg , Jaipur-4.
Prize` - **Consolation Prize.** (Vinu vishwanathan)

Hindi Debate
Student Name - Praveen Narula , Rakesh Sharma.
Venue - Kanoria PG Mahila Mahavidyalaya , JLN marg , Jaipur-4

English Elocution
Student Name - Hitesh Sharma, Sneha Gera.
Venue - Kanoria PG Mahila Mahavidyalaya, JLN marg , Jaipur-4

Hindi Elocoution
Student Name - Ashish Khandelwal, Ashutosh Agnihotri.
Venue - Kanoria PG Mahila Mahavidyalaya , JLN marg , Jaipur-4.

Quiz.
Student Name - Vinu Vishwanathan, Ashutosh Agnihotri.
Venue - Kanoria PG Mahila Mahavidyalaya , JLN marg , Jaipur-4.
Prize - **II Prize.**

ECSTASY 2001

Project Competition
Student Name - Aaditya Jhajharia & Vinu Vishwanathan
Venue - IET Alwar
Prize - Consolation Prize

Dance Competition (Group Dance)
Student Name - Anshu Sayal, Ankit Anant Gupta, Chandan Mewara
Priya Verma, Ruchi Singh, Vishal Sharma
(Priya Verma, Anshu Sayal & Vishal Sharma won the
best dance prize by YAMAHA)

Solo Dance
Student Name - Rishab Jain
(Best dance prize by YAMAHA)

QUANTA 2002

On the Spot Programming
Student Name - Manan Goyal & Abhishek Bhargava
Venue - JECRC, Jaipur

BLITZ 2002

Group Discussion
  Student Name - Shobhan Kr Shrivastava , Tharesh Sharma , Vinu Vishwanathan.
  Venue   - IET , North Ext. MIA Alwar.
  Prize   - II nd Prize (Vinu Vishwanathan)

Paper Presentation
  Student Name - Pramod Gaur, Abhishek Vyas.
  Topic   - NANOTECHNOLOGY.
  Student name - Aditya Choudhary& Praveen Kr. Jhajharia.
  Topic   - BLUETOOTH TECHNOLOGY.
  Venue   - IET , North Ext. MIA Alwar.

Quiz
  Student Name - Ashutosh Agnihotri , Anurag Vashistha , Punit Singh .
  Venue   - IET, North Ext. MIA Alwar.

Debate English
  Student Name - Suchita Sanghi , Vinu. Vishwanathan.
  Venue   - Poornima Engineering College.

SHRADHANJALI 2002

English Debate
  Student Name - Tharesh Sharma & Vinu Vishwanathan.
  Venue   - Arya Collge of Engineering, Kukas.
  Prize   - Winner Trophy.

ENSEMBLE 2002

Paper Presentation.
  Student Name - Aaditya Jhajharia, Tharesh Sharma.
  Venue   - **IIT ROORKEE.**

OPEN QUIZ

  Student Name - Punit Singh.
  Venue   - Doordarshan , Jaipur.
  Prize   - Winner.

Workshop on Leadership and Excellence Industry.
  Student Name - Ankit Anant , Pramod Gaur, Ravneet Ghauam.

Inter College Techno Quiz Competiton 2003.
  Student Name - Anurag Vashishtha, Punit Singh, Rishabh Jain.
  Venue   - Balaji College of Engineering.
  Prize   - First Prize.

Sporty Technocrats

Manan Goyal
Sports Coordinator

"All work and no play make Jack a dull Boy".

Rightly said. For the ages, man has realized the importance of sports and games, and the students of SKIT are no exception. Ever since the engineering scheme turned itself into a semester system, the syllabi has gone more monstrous and devilish, compromise with which, is not a healthy bargain. But we 'Skitians' know how to balance our equations well. To start with, we have a very well laid outfield in our college campus, which is currently being utilized as a cricket ground, but can be modified to a football ground as well.

We have a Volleyball ground in the hostel premises .Our college boasts of three Table tennis tables, which no other college can equalize. We have a complete cricket kit, a set of basket ball and football. we even have a very well equipped and fully functional gymnasium ,right here ,in the college. Indoor games such as chess are one but small things. And if that is not enough ,talks are going on for a swimming pool, a Basketball ground and even a badminton court. Whew! Who could ask for more. On this point of note, I must tell you that the efforts from the management side are not going haywire.

Prateek Sharma (CS VISem.) won silver medal in the 75 kg weight category at the inter college weight lifting and body building championship long to him and to all the aspiring body champs.

Two of our swimmers Manan Goyal and Anamay Chaturvedi won bronze and silver in their respective events ,in the inter college swimming meet and that too with a practice of just one day.

Our Table tennis team once again reached quarter final in the inter college TT tournament organized in Bhilwara beating Arya college ,Kukas to be confronted by top speed Commerce college. We were 2-on-2 in the five game match and if had it been for one game , we could have lifted the winners trophy; nevertheless but we have shown that we mean business and dealing with it is no child's play but *fortuna favet fortibus* and I'm sure, with a little more practice, we can make it to the top. In the field of cricket also our team last year made its presence felt . It consisted of fourth Semester student, they gave a tough fight to the opponent and people have understood the we are here to stay.
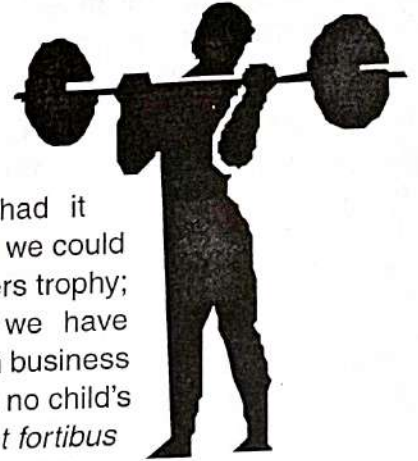
We also made a make and I may assure you that there will be an increased participation, in the sports like basketball, football & volleyball. And also in athletics, badminton , lawn tennis and chess.

If you are still wondering, our college has *crème de la crème*. We have with us 2 Swimmers, 1 T.T. player, 1 basketball player, 1 cricketer, a boxing champ and many others, all national level in their respective sports. We also have a large number of state level players.

In a nutshell, I must say that for us the SKITians, even sky is not the limit and in the years to come we will see more achievements not only in the field of studies, but in the field of sports also. *Que Sera'sera'.*

Skit At BangaloreIT.com 2002

This year once again the *garden city* of India hosted Asia's largest International Information and Communications Technology event **Bangalore 0IT.COM 2002** on 28 October 2002 at the *Palace Ground*, Bangalore.

This is the fifth time that **IT.COM 2002** was hosted by Bangalore. It gives leverage to various **IT** companies to concentrate on the present day requirement of the Industry and facilitate in bringing large and small companies on a common platform.

This was the first time that SKIT participated in the **BangaloreIT.COM2002.** The six member team which went to Bangalore was leded by *Prof Ram Singh, including Mr.Chothmal Choudhary(Lecturer, Computer Deptt.) , Mr. Mahesh Pareek (Lecturer, Computer Deptt.) and three students Mr.Surgyan Gupta,Mr.Rahul Mehta and Mr. Piyush Bansal.* As per the team, Bangalore is truly the *Silicon Valley* of India and is definitely seeing a lot of business growth as far as **IT** world is concerned. This is happening due to the fact that existing companies expanding their operations and new companies coming in from other cities like Mumbai and Pune. For example Canbay Systems is moving in from Pune.

The technology exhibition in the tradeshow had several special *pavilions* such as:

1. **IT NATIONS PAVILION.**
2. **STPI PAVILION.**
3. **TECH STATES & E-GOVERNANCE PAVILION.**
4. **SPECTRUM PAVILION.**
5. **ENTERPRISE & YUVA PAVILION.**
6. **INFRASTRUCTURE PAVILION.**
7. **BPO PAVILION.**
8. **TELECOM & NETWORKING PAVILION.**
9. **SOFTWARE SOLUTION PAVILION.**

These pavilions were categorized for proper presentation and for attracting the right audiences. **Bangalore IT.COM 2002** featured a

special pavilion called **'Tech- States'** featuring State Governments who seek to attract *Technological Industries* to their states.
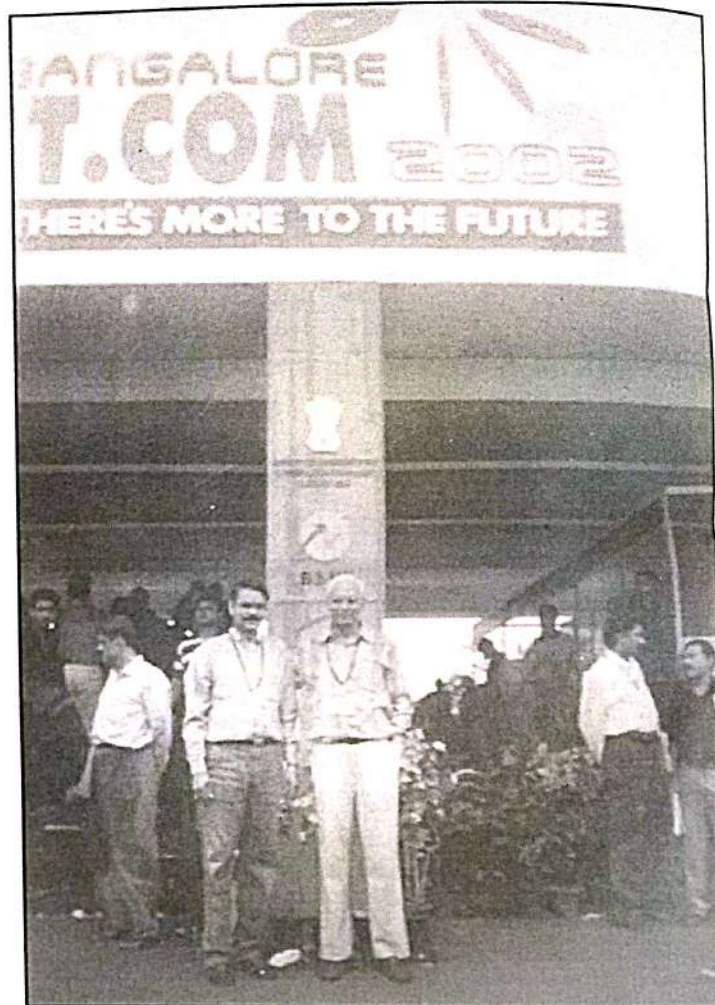
Another popular feature of **Bangalore IT.COM** was the *Rural IT Quiz*. The *Quiz* was organized with a motto to bring in children from rural Karnataka, to participate in the **IT** revolution, which is soaring the state. The *Rural IT Quiz* was sponsored by *Tata Consultancy Services* **(TCS).** The preparation for the quiz was taking place from September in which there were regional rounds of the Quiz conducted across the state. The finals were to take place in the **IT.COM** a mega event, so as the students gets the exposure of the latest happenings in **IT** world.

Bangalore IT.COM 2002 has drawn an excellent response from Multinational Companies and Governments. Governments of Germany, UK. Singapore, Denmark, Japan, Mauritius, Russia have signed up to showcase their **IT** *prowess.* The main advantage for the **IT** companies to set up their base in Bangalore is that there is a huge pool of technically skilled, trained human resource. In Bangalore there are 968 IT companies which in itself

is a clear indication of the city IT prowess. Furthermore, the huge number of Technical colleges and other Educational Institutes in Bangalore add charm to this attraction for the IT companies. Consequently, what you see is a large pool of people with loads of experience and talent spectrum. Add to this, the graduates here do not have any language problem and are having excellent "Communication Skills" which is definitely an additive advantage to the IT Enabled Services.

Several Indian states participated in the event including *Andhra Pradesh, Tamil Nadu, Chandigarh, West Bengal, Kerala, Orissa, Gujarat, Pondichery, Rajasthan and Karnataka.*

This year **Bangalore IT.COM** offered Companies, Exhibitors and Foreign delegations an opportunity to make presentation targeted at fostering B2B interaction.

Welcome to Bangalore IT.com 2002

Life Lessons

- I've learned that when a best friend to happy, you find yourself happy too, even when it has nothing to do with you.
- I've learned that the only one who truly understands is a true friend.
- I've learned that nathing ever sounds stupid, funny or unbelievalbe to a best friend, and you never feel stupid saying whatever it is.
- I've learned that your heart is forever touche by a true friend, no matter how things end up.
- I've learned that when your heart has been broken, a best friend is the best bandaid for it.
- I've learned that in many cases, a hug and a kind word from a best friend is the only thing that helps you though the day.
- I've learned that a best friend would stick up for you no matter what the consequences are.
- I've learned that sometimes a best friend is all you have.
- I've learned that there are many good friends around, but true best friends are hard to came by.
- I've learned that sometimes the most used part of a best friend is the shoulder you cry on, & the shoulder you are willing to lend.

Manan

Humanitarian Mission Of Skit

SKIT not only develops students as an engineer by profession, but also works upon them to raise the humanitarian values in the young blood.

SKIT belives in the fundamental principles of the RED CROSS.

- HUMANITY
- IMPARTIALITY
- NEUTRALITY
- INDEPENDENCE
- VOLUNTARY SERVICE
- UNITY
- UNIVERSALITY

SKIT is the first college in the technical field in Rajasthan to become a member of the Indian Red Cross Society. Also SKIT is the first institute in Rajasthan to have a Youth Red Cross Club.

The club abides to organize seminars and camps to raise the humanitarian values of society. Club also aims at organizing 'first aid' camps to prepare young blood as a Recovery Force to work out during natural calamities and war.

This program helps young people to implement the fundamental principles of Youth Movement of Red Cross.

- The protection of health and life.
- Service to the community.
- International friendship and understanding.

The following students of SKIT attended the National level youth workshop on HIV/AIDS organized by the Indian Red Cross Society, National Head Quarters, New Delhi hosted by Punjab Red Cross, from 12 to 15 Nov. 2002, held at Chandigarh.

- Mr Aviral Joshi (I.T. VI sem)
- Mr Rao Rajendra Singh (Elect. VI sem)
- Ms Suchita Sanghi (E&C IV sem)
- Ms Sneha Gera (Comp. IV sem)

They won two prizes representing Rajasthan in the various cultural activities held there.

The workshop comprised of expert lectures by some international delegates two :

- Mr. Olphan from Nigeria
- Mr. Kamala Nirala from Nepal
- Ms. Dr. Aden Hadley from Germany
- Mr. Stephen from Sweden

QUIZ Champs

Our SKIT team, participated in the " Inter College Technical Competition", Held at Sri Balaji Engg. College, Jaipur on 13th Feb 2003. Participation was in 2 caterories, namely:-

(i)   The Quiz Session &

(ii)   JAM session.

The Quiz team sparkled in this contest & brought glory to our college by winning the coveted Ist prize. The team comprised of :-

(i)   Punit Singh (IV Sem. Comp. Science).

(ii)   Anurag R. Vashishtha (IV sem. Comp. Science).

(iii) Rishabh Jain (IV Sem. Electrical Engg).

Report On Debate

On September 19th 2003 an inter collegiate debate competition was organized at the Arya College of engineering . The competition was named 'shradhajali'. The day saw a thought provoking performances by the students of our college . The college was represented at the competition by the following students.

✰ **Vinu Vishwanathan** (VI Sem EE)

✰ **Tharesh Sharma** (VI Sem EE)

They gave a splendid performances that won them admiration from one and all. As a result we were able to lift up the team trophy for the 1st position amongst 20 teams consisting of 40 participants. This competition was attended by the directors of all the private engineering colleges including the director of college Shri K R. Bagaria .

A Genius of Physics In Our College

Hi, every one. There is good news for every one out there. The news is that we have a **PHYSICS** genius in our college. Want to know the name!!!!!!. But before that just read his achievements. He has been writing articles for the magazine **PHYSICS FOR YOU** of National repute. And has won, time and again many prizes for the quality of the articles

He has been writing for readers of the magazine. He is also designing Quantum Correspondence Course for IIT-Physics. And if this is not enough, then just check the website www.pcmbtoday.com where his articles are all the time filling the spaces of these WebPages. He worked with Science Olympiad Foundation to sharpen his *meticulous* Physics.

What else, he would have never revealed his achievements, if I hadn't spied the things after I read his name in the magazine. And for the same Prof. Ram Singh wouldn't have asked him about his un- revealed **GENIUS**. So let us **CHEER** for him.

Hey guys!!!! I didn't told you the name. Well the name of the genius is **SURGYAN GUPTA** and he is in **III Year** *(Information Technology)*.

Skitians in Software business

Two students of our college, Ganesh Sharma and Amit Sharma of VI Sem. (IT) had developed two softwares, one to ease the accounting and report generation ,and another to maintain transaction rates . In these softwares, Fronthand and backhand is developed in Visual basic and Ms Access respectively. They had sold Accounting and Report generation software to Mahesh Mines Company (excess royality collector)at Dausa ,for Rs 5000. In this one man organization, acconting work was done manually but totally automated software had increased their control over royality collection and analysis become easy using reports, in less time with high efficiency.

Amit Sharma

Also, thier Transaction Mantainence software was sold to Abhimanyu Crushing Company, located at Dhaulpur, for Rs 10,000. This company was facing problems in managing their transactions as uneven payscale for each worker and different rates for customers due to which company was running in loss.

But with the help of that software, employee's work became fast and reliable. According to Mr. Sanjay Rawat ,owner of this company , this software had given him piece of mind and reliable transactions to his company. This achievement is really appreciable.

Ganesh Sharma

Master minds in Software Development

Manan Goyal

Birla Instituet of Technology(Ranchi) extension centre, Jaipur, organised an On The Spot Programming Competition in C ++ early in the last semester .Two of our students- Manan Goyal (VI Sem E & C) and Abhishek Bhargava (VI Sem E & C) participated and stood winner.

They were asked to develop a program concerning directory handling and files comparing through C++.The duration for the event was 3hrs.In this event almost all the engineering colleges in Jaipur including MNIT took part and it is a matter of great pride to beat them all.

Abhishek Bhargava

✍ The best kind of friend is the kind you sit on a porch and swing with, never say a word and then when you walk away, feeling like you had the best conversation ever had.

✍ Giving someone all your love is never and assurance that they will love you back! Don't expect love in return; just wait for it to grow in their heart but if it doesn't, be content it grew in yours.

✍ Kites fly and rise highest against the wind - not with it.

✍ We are rerely proud when we are alone.

SOCIAL
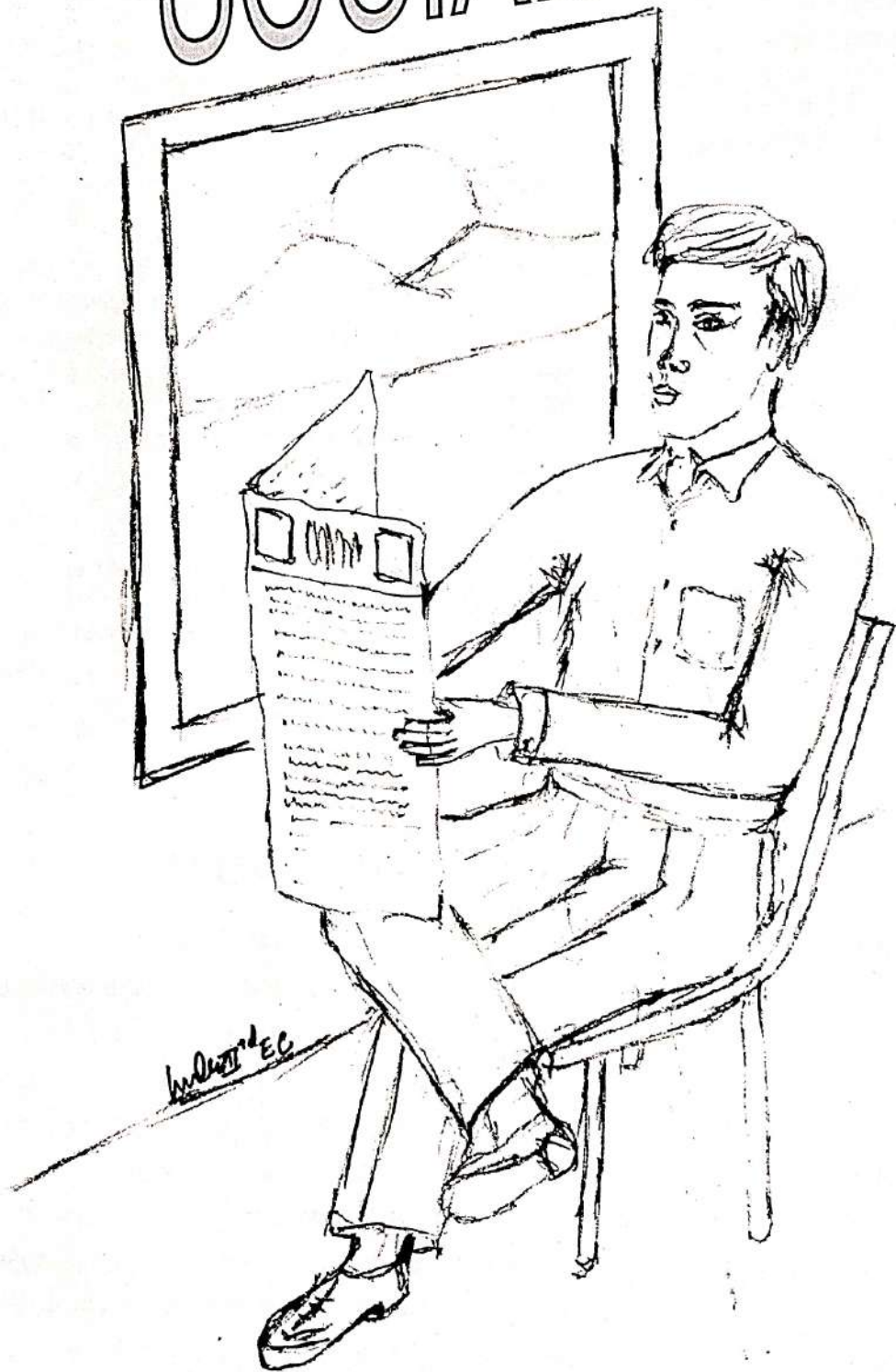
FOOTPRINTS

One night a man had a dream . He dreamt himself walking along a beach with the LORD. Across the sky flashed the scenes of his life. For each scene he noticed two sets of footprints on the sand; one belonging to him and the other to the LORD.

When the last scene of his life flashed before him, he looked back at the footprints in the sand. He noticed that many time along the path of his life there was only one set of footprints. He also noticed that it happened at the very lonely and saddest time in Life .

This really bothered him and he questioned the LORD about it;"LORD you said that once I decided to follow you , you'd walk with me all the way. But I had noticed that during the most troublesome times in my life there is only one set of footprints. I don't understand why, when I needed you most you would leave me."

The LORD replied–

"My son, my precious child, I love you and I would never leave you. During your times of trial and suffering, when you see only one set of footprints, it was then I carried you."

Juhi Kulshreshtha
VI Sem. (E&C)

Nail IN THe FeNCe

There was once a little girl who had a bad temper. Her mother gave her nails and told her that every time she lost her temper, she must hammer a nail into the back of the fence.

The first day the girl had driven thirty-seven nails into the fence. Over the next few weeks, as she learnt to control her anger, the number of nails hammered daily gradually dwindled down. She discovered it was easier to hold her temper than to drive those nails into fence.

Finally, the day came when the girl did not lose her temper at all. She told her mother about it and mother suggested that girl should now pull out one nail each day, whenever she was able to hold her temper. The day passed and the young girl was able to tell her mother that all the nails were gone. The mother took her daughter by the hand and led her to the fence she said, you have done well my daughter, but look at holes in the fence. The fence will never be the same, when you say things in anger; they leave the scar just like this one. You can put knife in a person and draw it out. It won't matter how many times you say, I am sorry the wound is still there. "A verbal wound is bad than a physical one."

Deepmala Agarwal
IV Sem. (I.T.)

WORK AND ITS SeCReTS

One of the greatest lesson I have learnt in my life is to pay as much attention to the means of work as to its end. Our great defect in the life is that we are so much drawn to the ideal, the goal is so much more enchanting, so much bigger in our mental horizon that we lose sight of the details altogether. But whenever failure comes if we analyze critically, in ninety nine percent of cases we shall find that it was because we did not pay attention to means. Proper attention to the finishing, strengthening of the means is what we need. With the means all right the end must come. We forget that it is the cause that produces the effect; the effect cannot come by itself; and unless the cause is exact, proper and powerful the effect will not be produced. Once the ideal is chosen, and the means determined we may almost let go to the ideal, because we are sure it will be there, when the means are perfect. When the cause is there, there is no more difficulty about effect; the effect is bound to come. If we take care of the cause, the effect will take care itself. The realization of the ideal is the effect. The means are the cause: attention to the means, therefore is the great secret of life."

Vivekananda

Uncertainity

When do we try to act
extra serious and extra wise.
When we know that we'll never ever
get this precious life twice.
We all have some wishes.
Extraordinary and abnormal
But we crush them all
Just to show ourselves normal.
We all know the truth
We are made of sand and matter
And sometimes in our lives,
We mix up in the letter
But still we live fantasies,
or island ourselves
To each other we tell
Or make stories of
Heaven and Hell
And lead a socialistic
And very cautious life
Never ever try to open and enjoy
But walk on edge of the knife
I ask everybody who thinks in
A realistic way
Please tell me where about of
god we pray
Life after death is hidden
Behind many curtains.
So don't waste this life.
Thinking about that uncertainty.
And children enjoy your day
in a happy way.
As everything is destructible,
Nothing always stay.
So enjoy as much as you can
Before death comes and take you away.

Mala Khilani
IV Sem. (C.S.)

Time Is Money

In case you've never wondered

Why ignorance rises to

the executive level,

Here is a simple explanation

that is also a mathematical proof :

Knowledge is Power.

Time is Money.

Power = work/time.

And , as every engineer knows :

Solving for Money, we get :

Money=Work/Knowledge.

Thus money approaches infinity as

Knowledge approaches zero,

Regardless of the work done.

What this means is :

The less you know ,the more you make.

'ZERO-HOUR' in parliament

Zero hour is the time starts at 12 o'clock and Continue till 1 o'clock in parliamentary Proceeding which immediately follows. During this time there is no fixed agenda. Discussions are made for those points which Could not be taken up during question-hour.

Ekta Gupta
VI Sem.(C.S.)

ANNUAL FUNCTION

Ekta Gupta
1st Position (I.T.)
1st Position in University
III Sem. 89.6%
IV Sem 89.3%

Sukhesh Bhargava
1st Position (Comp.)
III Sem 82.9%
IV Sem 83.7%

Late Swarna S.
1st Position (E & C)
III Sem 83.5%
IV Sem 87.3%

Abhitabh Jain
1st Position (EE)
III Sem 81.4%
IV Sem 84.0%

Suchita Sanghi
1st Position (E & C)
6th Position in University
1st Yr. 89.8%

Expressions

The human face is itself a complete language. The importance of human interaction through expression is very well understood and in common people's language, it is popularly known as **"face reading"**. But in this rat race of technological development man is somewhere neglecting the importance of this form of interaction amongst people. He is inventing new technology every day but he is not remembering the fact that technology can transfer information or data only, but not "expressions".

So, in a way technology is making the world smaller but is increasing the gap between people. Most common example of this is cable T.V. in our house. One spends all his leisure time to watch T.V. and have no interaction with his\her family members. This is causing great harm to our family system and leading us to a state, which U.S.A. has today, where every person is self centered and have no values for other's feelings.

Now we will try to understand that how powerful are the face expressions and how they can be used to judge a person. In a broad way a person has two kinds of expressions, sad or tense expression and happy expression. The tense expression of a person comes out when he is doing some thing wrong , like telling lies to somebody

The tension or worry of a person can be clearly judged by seeing at his eyebrows and forehead. In this state the eyebrows are somewhat stretched in the upward direction and one can see some lines on the person's forehead. Secondly, the responding time of a person increases to 5 –10 seconds, which in normal state is ½ - 1 second. A person generally

expresses his happiness in form of his smile. But it is not necessary that if a person is smiling, he is happy. The possibility of a formal smile is always there. The difference between formal and real smile can be seen easily on a person's face.

In a formal smile only the muscles of cheeks are stretched, while in a real smile the muscles below eyes along with muscles of cheeks are stretched.

So, face expressions can be used as ultimate tools to know about a persons' personality. For face reading it is necessary to have an interaction. As present technology is making common people apart from each other there is a need of increasing interaction among people. Dr. Madan Khurana was the first person to realize this and so he opened the first laughter club. Later on, it was also seen that laughing for 10-15 minutes also release tension and sets the person fit for the days work. Laughing clubs were a great success in this field and Dr. Khurana is running about 600 clubs in India and about 200 clubs abroad. It has been rightly said, "Laughter is the power of democracy".

It would be totally unfair to join the group of mad technocrats who are totally neglecting the power and importance of expressions. All this discussion does not mean that we should not develop technologically but the thing is that we should not indulge our self in technology so much that we neglect our social nature, which is very necessary to survive on earth.

Ashish Gupta
IV Sem (C.S.)

Wonders of A Smile

The topic sounds rather unusual, isn't it? It is so often that we are asked to write essays and paragraphs on national issues. But the importance of "SMILE" has never been stressed. A smile has been stated as the sign of happiness, which besides being 'the best cosmetic of beauty' is very essential for human being.

SMILE is a treasure, which anybody & everybody can possess. It is free of cost. The charm of a smile is such that it can win you even the worst of your enemies, their love & affection. It is a key for making many new friends. A smile from your friend can give you strength and courage to face the worst situations. So when such are the wonders that a smile can provide, then what are you waiting for? Now, whenever the going gets tough, *try & smile* and you will be able to take things in your stride. Last but not the least, it is very important to wear a smile because it is said "one can't be fully dressed without a smile". So, utilize this most beautiful "GIFT OF GOD" and even if anyone still needs a reason to smile, just remember that it takes 72 muscles to frown and just 14 to smile. SO SMILE PLEASE.

Ruchi Ajmera
1st year Sec.C

God's Answers

I asked God to take away my pride,
God said, 'No'. It is not for me to take away.
But for you to give it up,
I asked God to make my handicapped child whole.
God said, 'No'. Her spirit was whole, her body
Was only temporary.
I asked God to spare me pain,
God said, 'No', suffering draws you apart from
Worldly cares & brings you closer to me.
I asked God to make my spirit grow,
God said, 'No', you must grow on your own, but I
Will prune you to make you fruitful.
I asked for all things that I might enjoy life,
God said, 'No', I would give you life so that you
may enjoy all things.
I asked god to help me love others,
As much as he loves me.
God said, 'Ahhh..... finally you have the idea.'

Yogesh Panchal
I yr. (EE)

The Paradox of our time

A person is so poor; he has nothing but money
The paradox of our time in history is that-
We have taller buildings, shorter tempers
Wider freeways, but narrower viewpoint
We spend more, but have less;
we buy more; but enjoy it less
We have bigger houses and smaller families
More convenience, but less time;
We have more degrees, but less time
More knowledge, but less judgment;
More experts, but more problems;
More medicine, but less wellness.
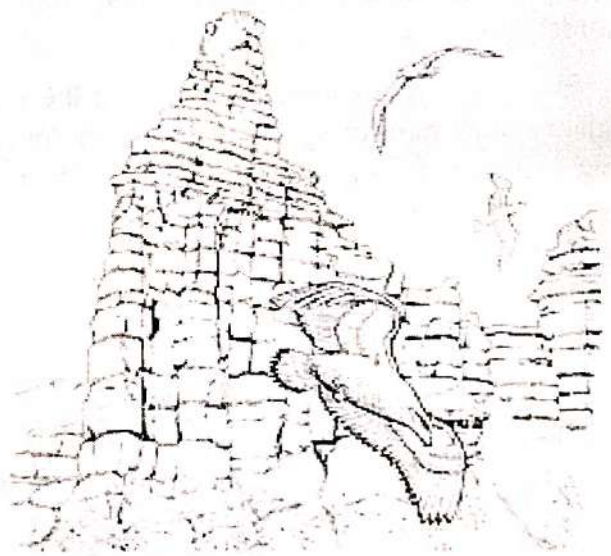
We have multiplied our possession, but reduced our values
We talk too much, love too seldom, and hate too often
We have learnt how to make a living, but not a life
We have added years to life, not life to years.
We have cleaned up the air, but polluted the soul.
We have split the atom, but not our prejudice,
We write more, but learn less.
We plan more. But accomplish less.
We have learnt to rush, but not to wait
We build more computers to hold more information
To produce more copies than ever,
but have less communication
These are the times of fast food and slow digestion.
Tall men and shorter characters;
Steep profits and shallow relationships.
These are the times of world peace, but domestic warfare
More leisure, but less fun; more kinds of food, but less
nutrition.
These are the days of two incomes, but more divorces; of
fancier houses, but broken homes.

Compiled from "CENTRALITE"
Alok Mittal, VI Sem(E&C)

Will You Wait For Me

I need to talk with you again
Why did you go away?
All our time together
Just feels like yesterday.
I never thought I'd see
A single day without you
You see the things we take for granted
We can sometimes lose.
And if I promise not to feel this pain
Will I see you again?
Will I see you again?
Time will pass me by
Maybe I'll never learn to smile
But I know I'll make it through if you wait for me
And all the tears I cry
No matter how I try
They'll never bring you home to me.
So wont you wait for me?

Do you remember how it was
When we never seemed to care
Days went by so quickly
'Coz I thought you'd always be there
It's hard to let you go
Though I know that I must try
I feel like I've been cheated
'Coz we never said goodbye.
And if I promise not to feel this pain
Will I see you again?
Will I see you again?
And I miss you so
And I need to know
Will you wait for me?

Manan, VI Sem (E&C)
(Kavana/Instinct)

Keep Smiling

My father was smiling this morning
When he came downstairs, you see,
And when he smiled, my mother turned,
And smiled at me.
And when she smiled at me,
I went and smiled at Aunt Mary,
Out in the kitchen, and she lent,
It to the baker's man,
So when he smiled at someone, whom
He saw when going by,
Who also smiled, and
Had twinkle in his eye.
So he went to his office,
And smiled at his clerk,
Who put some more ink in his pen,
And smiled back from his work.
And when this clerk went home, he smiled
Right at his wife, she
Smiled over to his little child
And the child took
The smile to the school and when
He smiled at his teacher from his book,
The teacher smiled back at me.
Therefore, "keep smiling",
When the weather suits you not, "keep smiling"
When your coffee isn't hot, "keep smiling"
When your relatives don't do the right
Or your neighbours fight,
Sure it's hard, but then, you might "Keep smiling"
It doesn't change the things of course,
But "KEEP SMILING"

Navneet Sharma
VI Sem. (EE)

Childs Cry

When I walked
Slowly down the road
Sun going back home,
Atmosphere filled with dust 's load.
The trees rustling, and the sea calm
The cool breeze blowing
And I walking calmly,
Sitting with a loaf of bread…
In his lean hands saw a little boy,
Wrapped with innocence
And rags covered his body.
He seemed a lost boat in deep pacific.
His eyes begged for love.

His lips trembled to say, " don't kill my father"
Militants please don't kill my mother, "I love them"
No one could understand it
But I did
I was touched and moved.
But as if helpless, walked away,
Silently
Far away even from the thought of it
Silently.

Sumita Bhawan.
VI Sem. (E&C)

Psychology

One of the great psychologists of our times, Carl Jung was a restless man. He could not sit silently for a single moment. He would turn and toss; He would do something or other. Some times he would just arrange the newspapers date wise or clean fountain pens, if there was nothing to do. And when there was nothing to do at all he would smoke his pipe. In fact he was a chain smoker and after some time he had a heart attack. Doctors advice him to stop smoking——an absolute stop. So Jung stopped smoking. Now another difficult situation arose. He started feeling his restlessness too much. He started feeling crazy. He would walk up and down in his room or would go outside without any reason ,keep on standing aimlessly and watch the passing vehicles on the road. Ultimately to win over his restlessness he had no other choice but to take help of the pipe. In fact the pipe has been very helpful in minimizing the restlessness. So he asked the doctor – "can I put empty pipe in my mouth?" Doctor replied "Cannot you take help of something else? Because today you will start keeping empty pipe in your mouth; after sometime you will start thinking that there would be no harm if you put little tobacco in it and smoke. And then gradually you will increase the quantity of tobacco and you will resume your old habit of smoking."

"No , doctor! I promise, I will keep only empty pipe in my mouth and will not resume the smoking. I am doing this because my restlessness is increasing and I am becoming a psychological ill. So kindly allow me ."

"Allowed" said the doctor and Carl Jung was very much satisfied.We often ignore some small but bad habits which grow slowly and one day they take us in their full grip.

We become their slaves. He tried for five years, he used to put the empty pipe in his mouth.And then he used to look at the pipe, would keep it in hand and think of some difficult problem. When he had nothing to do he used to play with his empty pipe. He was so much in the grip of his unconsciousness and his habit.

Why to blame only Carl Jung? We are all in the grip of some or the other habit. If it is a good habit, everyone would welcome it, other wise you will always be a subject of criticism in home, office and society. Philosopher Vevel said, " If you accept any habit after examining it, then it will remain with you for the whole life and will become a part of your nature and behavior." The same situation is with the bad habits. If you are in the grip of any bad habit you cannot get rid-off so easily. and if you want to leave them, you become helpless. Laketime andHezlett says, "Bad habits are like iron chains, which tie us like poisonous snakes and keep on eating us gradually, resulting into early death."

Bad habits are like the slippery floor, where once you slip, and then you are gone forever. You try to control yourself, but you get rid of them only in the end.

Our experienced philosophers and thinkers have made four groups of good habits. The first one is " punctuality of time". The person who has understood the value of time in his life, he will not waste a single minute. So, by utilizing every moment in good work, he will get success in his life. The second good habit is to understand "time".

If you don't complete a work within the stipulated time, then you are lost. So, try to understand and catch the right time, you should not miss it. The third good habit is "activeness" or "dynamicism".

The fourth good habit is "sincerity". If you have the above three qualities, but you don't have sincerity in your nature, you will never be able to complete any work up to the mark, because you have not been sincere about it. Your sincerity makes you quality and perfectness conscious. So, try to assimilate these good habits in your life and eliminate bad habits as far as possible.

Rajendra Jain
VI Sem. I.T.

Exporting Engineers Is It Brain Drain ???

EXPORT ZONE FOR ENGINEERS !!

Vinu Vishwanathan
IV Sem. (EE)

THEY WHO CAN SEE THE SUN BEYOND THE NIGHT, ARE THE MAKERS OF TOMORROW, BECAUSE ONLY THEY KNOW THE BEAUTY OF THE DAWN BEYOND THE DARK NIGHT ......

Exporting engineers is it a brain drain ? This has been an issue of great concern for all the policy makers, visionaries and to a common man for a long time now. But then is it an issue of such a great concern at all? As the saying goes, 'Every cloud has a silver lining'. This issue too has several aspects that could virtually make it an issue of no concern at all.

THE HEIGHTS BY THE GREAT MEN REACHED, WERE NOT ATTAINED BY SUDDEN FLIGHTS, BUT THEY WHILE, THEIR COMPANIONS SLEPT, WERE TOILING UPWARDS IN THE NIGHT.

The story begins way back in the 60s and the 70s when a handful of techies took the initiative to cross the seven seas & settle abroad in a world unperturbed by their presence.

They worked hard, hard enough to create an empire from nothing. This sent in waves across the world and back home. Suddenly the world realized that the Indian engineers could actually create 'DIGITAL DREAMS'. These wiz-kids created a miracle out of the blue by generating unprecedented amount of wealth through their knowledge.

Soon the gen –X was following the foot prints of these techno Gods and the migration of the bright brain began, obviously in search of greener – pastures. But then this was termed as brain drain.

On the peripheral observation it seems true but if we analyze this issue rationally we will realize that it has far more positive impact on the ever struggling economy than anything else. If statistics is to be believed then the number of students opting for the engineering profession has risen exponentially as against what it used to be 3-4 decades ago. Why?

The answer lies right in our hearts. We all today dream of leading a world class organization and want all the materialistic wealth at our disposal. But who were the real architects of these dreams ? Who saw the seeds of success in our minds ? These dreams were designed by those engineers who went abroad and created a very special place for all of us in the hearts of one and all in this world. As a result today there is a brain pool being created with over 3-lakh techies graduating every year. It implies that we are actually having a brain gain!

An obvious point that might be tickling the minds of our thinkers is that the once who move out constitute best of the brain power and that they should work for their own country. It is true that the 'CREAM -DE -LA -CREAM' of the country are stationed outside. But then let us consider a scenario that they all stay back home to work in India . What then – could Sabeer Bhatia have create the Hotmail here, with advance computer still in its infancy or could Avinash Makhiga design the solar panels of the NASA'S pathfinder ? No, because we still have to go a long way to harness the potentials of these super minds. All this because of the inadequate funds. Proper environment and the right platform are needed for such ventures. Some

years back a student of IIT- B created a history by scoring cent percent marks in the GMAT exams. He was asked that when he settle abroad ,wouldn't India be loosing a super brain and he relied," well if I move abroad and it is termed as a brain drain then my stay back should be termed as a brain murder". Wasn't he right in some sense? Today these people have really helped in advertising the Indian engineering community as " Indian brains-believe in the best."

Let us now concentrate on the economic and the financial aspect of the issue . Over a period of time these engineers have contributed significantly in the socio - economic development both in terms of knowledge and wealth.

Huge chunk of foreign exchange comes in the form of their investments in the country. Besides they have influenced nearly all walks of economy by their unseen presence .

The no of foreign companies that are coming and investing in India is substantial . Primary reason for this is that Indians abroad have made them feel that we are the best and that they will have to invest in India to grow. This is slowly removing the problems of our fund starved economy.

If we compare the net capital that these non resident engineers have contributed in our stagnant economy against what they could have contributed by staying back home , we will find that they have actually helped our economy grow at a much faster pace. Let us not put these tigers in confinement. Let them go out for hunting for at the end of the day they will come back with the food for their peers and siblings too.

This migration will seize once the right platform is created and that time is not far . Till that time let this trend follow and let the world get spellbound by our creative ingenuity.

THE DAWN IS STILL IT'S INFANCY DON'T CALL IT BEFORE HAND BECAUSE THE NIGHT IS STILL TO PASS AND THE DREAMS ARE STILL TO BE SEEN....

DARE TO DREAM THE IMPOSSIBLE

The world of dreams is boundless ; it knows no limits and no barriers. It extends to infinity and envelopes, the intense happiness, found nowhere else.

Dreams are the manifestations of the feelings and aspirations embedded deep inside the heart of a man. He fears to express these feelings to some one but in his dreams there is no vestige of awe. He can conquer the invincible, accomplish the impossible and do what he can never believe himself to be doing in reality. He is free and unfettered.

I also dream the impossible dream .It gives me the feeling of freedom an unrestrained life and my heart brims with an inexplicable delight and an overwhelming joy but these dreams not only give me happiness but also develops in me a strong urge and a desire to make them come true. Why should these dreams remain impossible? Why can I not turn them into realities? Why can I not let happiness bloom in my life as those fresh, fragrant flowers do in my dreams . Thus there kindles a propelling urge in my heart to achieve happiness through real success and not mere fantasies.

If there had been no fantasies, no dreams, then there would have been no determination to make them come true. Strangely some people find dreams to be a trauma, those heart-breaking fantasies that make the truth dawn before them, that they are incapable of being achieved. They think they are dreaming the impossible.

It requires a great deal of intrepidity to dream the impossible dream as with every dream, there develops a new hope in the heart which assures us that our dream will come true. Every dream precedes a desire to achieve what we envisage and those who have the pluck to do so, never look back again, together hand in hand, such a dream can definitely come true.

'Dare to reach out for the unreachable star's' is my motto in life that I know will surely lead me to success and help me to make all those impossible dreams come true which I have always dreamt of.

Monika Narang
IV Sem (Comp Sc)

Give The World Your Best

People are unreasonable,
illogical and self-centered
Love them anyway.

If you do good,
People will accuse you,
Of selfish, ulterior motives.
Do good anyway!

If you are successful,
You will win false friends,
And true enemies.
Succeed anyway!

The good you do today,
Will be forgotten tomorrow.
Do well anyway!

Honesty and frankness,
Makes you vulnerable.
Be honest and frank anyway!

The biggest men with the biggest ideas,
Can be shot down by the smallest
men with the smallest minds,
Think big anyway!

What you spend years building,
May be destroyed overnight,
Build it anyway!

People really need help,
But may attack you,
If you help them.
Help them anyway!

Give the world the best you
have got anyway!
Given the world your best anyway!

Akhil Sethi
Ist yr. Elect.

The Dusk

The fall of Dusk,
brings its own wonderful sight
In the silent and quite world,
that is no longer bright

The moon stands alone,
in the lap of the night,
gazing at the purple coloured world
And the peaceful sight

The ships of clouds,
sail across the ocean of darkness
With the tides of silence
And waves of loneliness

Here lives the queen of night,
wearing the necklace of stars
And the gown of darkness
Humming sweetly hours and hours

Harshita Tolani
IV Sem.(E&C)

Send Me An Angel

The wise man said just walk this way,
to the dawn of the light.
The wind will blow into your face,
as the years pass you by.
Hear this voice from deep inside,
its the call of your heart.
Close your eyes and you will
find the passage out of the dark.
The wise man said just find your place,
in the eye of the storm.
Seek the roses along the way,
just beware of the thorns.
The wise man said just raise your hand
and reach out for the spell.
Find the door to the promised land,
just believe in yourself.
Hear this voice from deep inside,
its the call of your heart.
Close your eyes and you will find,
the way out of the dark.

Itika Vyas
Comp. (VIth Sem)

My India

Kashmir for beauty, Rajasthan for duty.

Haryana for milk, Mysore for silk.

Mumbai for sea, Assam for tea.

UttarPradesh for fruit, Bengal for jute.

Himachal for apples, Tamil for temples.

Goa for malt, Gujarat for salt.

Thus, I tell about Indian states,

A wholesome world, my country creates.

Ashish Bansal
IV Sem (E & C)

My Prayer Has been Answered

I asked for strength,

And god gave me difficulties

to make me strong.

I asked for wisdom,

And god gave me

problems to solve.

I asked for prosperity,

And god gave me brawn

and brain to earn.

I asked for courage,

And god gave me troubled·

people to help.

I asked for favors,

And god gave me opportunities.

I received nothing I wanted but

everything I needed.

My prayer has been answered.

Pinky Goyal
Ist year.

Think about Yourself

1) Don't let your parents down, they brought you up.

2) Be humble to obey, you may give orders someday.

3) Choose companions with care, you become what they are.

4) Guard your thoughts, what you think, you are.

5) Choose only a date, which would make a good mate.

6) Be master of your habits, or they will master you.

7) Don't be show-off, when you drive and arrive.

8) Don't let crowd suppress you, take your own stand and believe in yourself.

9) Stand firm against any type of pressure or you will fall for anything

Ruchi Singh
IV Sem. I.T.

Peace

I touch my heart as the easterns do:

May the peace of God abide with you,

Whenever you come, wherever you go,

May the beautiful palms of God grow,

Through days of labour and night of rest.

May the love of God make you hest.

I touched my heart as the easternsdo:

May the peace of God abide with you.

Gaurav Udawat
VI Sem

A Nice Story

A longtime ago, there was a huge *apple* **tree**. A little **boy** loved to come and play around it everyday. He climbed to the treetop, ate the apples, took a nap under the shadow. He loved the **tree** and the **tree** loved to play with him. Time went by.......the *little boy* had grown up and he no longer played around the **tree** every day.

One day, the **boy** came back to the **tree** and he looked sad. "Come and play with me" the **tree** asked the **boy**. "I am no longer a kid, I do not play around *trees* any more" the **boy** replied. I want toys. I need money to buy them. "Sorry, but I do not have money... but you can pick all my apples and sell them. So, you will have money." The **boy** was so excited. He grabbed all the apples on the *tree* and left happily. The **boy** never came back after he picked the apples. The **tree** was sad.

One day, the **boy** who now turned into a **man** returned and the **tree** was excited "Come and play with me "the **tree** said. "I do not have time to play. I have to work for my family. We need a house for shelter. Can you help me?" Sorry, but I do not have any house. But you can *chop off my branches* to build your house. So the man cut all the branches of the **tree** and left happily. The **tree** was glad to see him happy but the **man** never came back since then. The **tree** was again lonely and sad.

One hot summer day, the **man** returned and the **tree** was delighted. "Come and play with me!" the **tree** said. "I am getting old. I want to go sailing to relax myself. Can you give me a boat?" said the **man**. "Use my trunk to build your boat. You can sail far away and be happy." So the **man** cut the tree trunk to make a boat. He went sailing and never showed up for a long time.

Finally, the **man** returned after many years. "Sorry, my **boy**. But I do not have anything for you anymore. No more apples for you ..." the **tree** said. "No problem, I do not have any teeth to bite either " the **man** replied.

"No more trunk for you to climb on", "I am too old for that now" the **man** said.

"I really cannot give you anything... the only thing left is my dying roots" the **tree** said with tears. "I do not need much now, just a place to rest. I am tired after all these years" the **man** replied. "Good! Old **tree** roots are the best place to lean on and rest, come, come sit down with me and rest." The **man** sat down and the **tree was glad and smiled with tears...**

This is a story of everyone.

The **tree is like our parents**.

When we were **young**, we loved to play with our Mom and Dad...

When we grow up, we leave them...only come to them when we need something or when we are in trouble. No matter what, parents will always be there and give everything they could, just to make you happy.

You may think the boy is cruel to the tree, but that is how all of us treat our parents. We take them for granted we don't appreciate all they do for us, UNTIL its too late.

Love your Parents

Before it's too late.

Tharesh Sharma.
IV Sem. (EE)

I am careful not to confuse excellence with perfection. Excellence, I can reach for, perfection is God's business.

It requires wisdom to understand wisdom; the music is nothing if the audience is deaf.

We are what we repeatedly do. Excellence, then, is not an act, but a habit.

Ever Wondered ?

1) **What is the difference between a virus, a worm and a logic bomb in the cyber world?**

A computer virus is an independent program that reproduces itself, attaches itself to another programs and creates its own copies. These may damage or corrupt data or degrade system resources like the main memory or the hard disk.

A worm is a program that reproduces by copying itself on the same system or system to system, eating up all the system resources and affecting its performance. A virus generally spreads using the files, while worms spread using network.

Logic bombs are different from both. They trigger an attack when a particular condition is met; for instance, a logic bomb could wipe off a hard drive.

2) **Why do we use the symbol @ in email Ids?**

Until 1971, SNDMSG was the mail program used to leave messages for the user of the same computer. Ray Tomlinson combined SNDMSG with CPYNET, a file transfer program, thus email was born. He then looked for a character that would separate the user's name from the name of the computer address. @ does net occur naturally in people's name and isn't a digit. It is also an indicator of the location of the user.

3) **Who created linux?**

The founder of the linux operating system is a young man from Finland Linus Trovalds. He developed this operating system some years ago and made it available to the entire world by putting it on world wide web. Linux today is considered to be the biggest rival of windows ranbe of OS.

4) **How does an MP3 player work?**

MP3 stands for moving picture expert group (MPEG)1, audio layer 3. This is a digital audio compression format capable of shrinking music contained in a CD by a factor of 12 without impairing the sound quality. These compressed files are known as MP3. An MP3 player stores MP3 files in a flash memory card and is devoid of any moving mechanism.

5) **What's the difference between ISDN and dial-up Internet services?**

ISDN Internet service is accessed through ISDN leased line. It is directly connected to the internet service provider (ISP) with a speed of 144 Kbps. It is always connected to the Internet and needs to pay only to ISP.

Dial-up Internet is accessed through normal telephone line, which in turn is connected to ISP. It uses the speed of telephone line i.e. 64 Kbps. You need to dial up every time to connect to internet and need to pay to telephone department in addition to ISP.
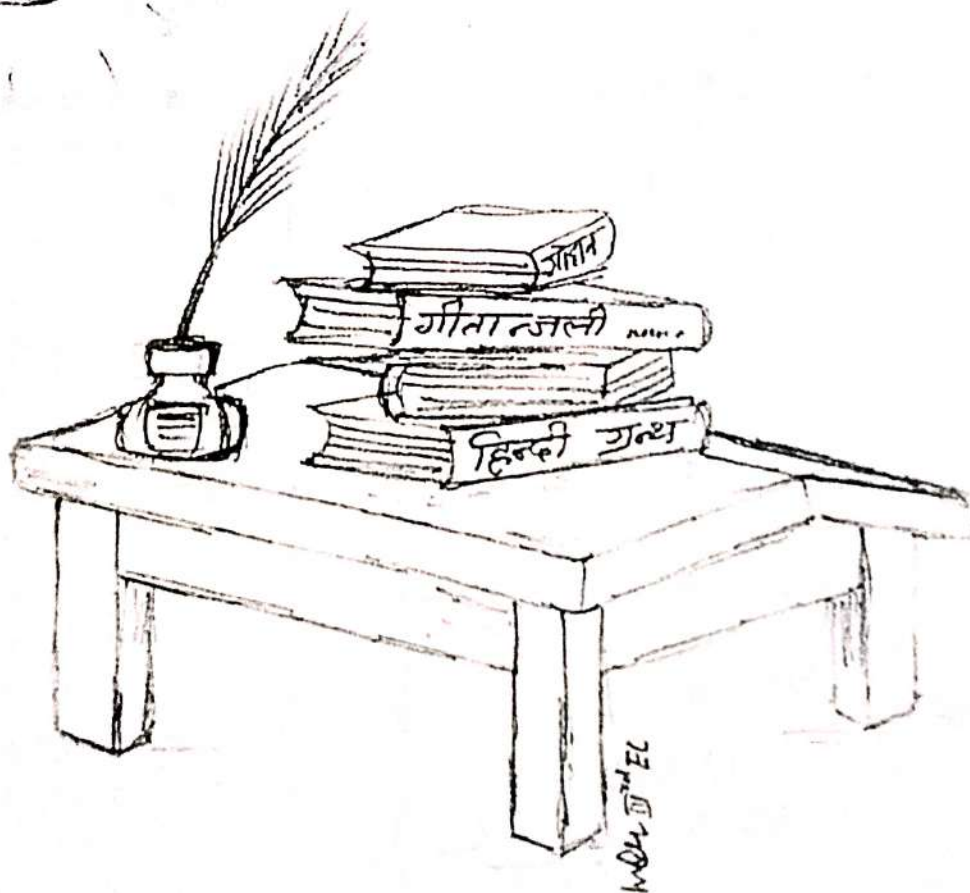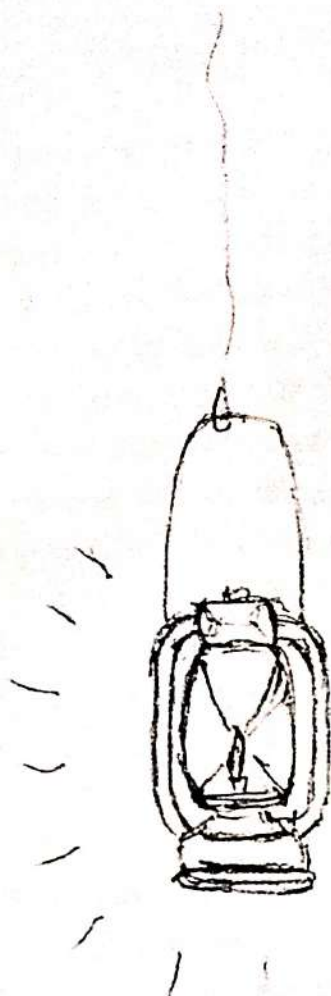
6) **What does ' dot come ' denote in Internet ?**

This extension tells your web browser which type of site you are looking for. The following extensions are available and each applies to a different type of web site :

.com Commercial site
.govt Government site
.org Non-profit organization site
.net Network provider file
.edu Educational site

Manan Goyal
Vi Sem. E & C

हिन्दी संचय

विनती

हे प्रभु इस दास की इतनी विनय सुन लीजिये
इस घाट मेरी नाव को उस पार कर दीजिये ।
मैं नहीं डरता मौत, प्रलय और तूफान से,
काँपती है रूह सदा, बस मेरी इम्तिहान से ।
इस भयानक भूत को किसने किया ईजाद था
वो आदमी था या किसी शैतान की औलाद था ।
याद करना, रटना, फिर लिखना, फिर याद करना ।
न जाने भाग्य में कौनसा अभिशाप है ।
रात को रटता हूँ, सुबह मिलता मैदान साफ है ।
गत वर्ष प्रश्न आया गोल कैसे है धरा
एक ही पल में मैंने लिख दिया उत्तर खरा ।
कि गोल है पूरी, गोल कचौरी, पूरी पापड़ गोल है ।
इसलिए हे मास्टर जी, ये धरा भी गोल है ।
झूम उठे मास्टर जी मेरे इस अनोखे ज्ञान से ।
लिखा उन्होंने पर्चे पर ये बड़ी शान से,
कि ठीक है बेटा जिस तरह गोल पूरी, गोल कचौरी,
पूरी पापड़ गोल हैं ।
उसी तरह बेटा, तुम्हारा नम्बर भी गोल है ।
क्या करूँ आज हिन्दी की जगह हिन्दा लिख गया
पशु को पक्षी की जगह पटिन्दा लिख गया ।
पी गई इंग्लिश खोपड़ी के खून को,
समझ नहीं पाया इसमें छिपे मजमून को ।
क्या करूँ इसके छोटे-छोटे चमसपदह सताते है मुझे,
रात को स्वप्न में भी "कीट शैली" दिखा जाते हैं मुझे ।
नाश हो इतिहास का, सन् के समन्दर बह गये ।
मर गये वो लोग, रटने के लिये हम रह गये ।
अकबर, बाबर, हुमायूँ आप था,
न जाने कौन किसका बेटा, कौन किसका बाप था ।
इसलिए हे प्रभु सब सहारे छोड़कर
आ गया हूँ मैं आज तेरे द्वार पर ।
मार घूँसा, लात, थप्पड़ किन्तु बेड़ा पार कर ।
इसलिए हे पितामह, उसके भी पितामह,
हर तरह से तेरी दया का पात्र हूँ,
नाम है रजनीश मेरा प्लमंत का छात्र हूँ ।

रजनीश झा
I Year (Comp.)

रक्तदान

रक्त दान है महादान,
ये देता मरते लोगों को प्राण ।
रक्त में रक्त जब मिल जाता है,
निर्जीव सजीव हो जाता है ।
भगवान न करे आए ऐसा एक दिन,
हम हो मृत्यु शैया पर रक्त के बिन ।
तब सोचो क्या होगा हमारा,
कैसे मिले मांझी को किनारा?
रक्त की एक बूंद कर सकती है चमत्कार,
लेकिन करेगा कौन इस सपने को साकार ।

हिन्दू, मुस्लिम, सिक्ख, ईसाई,
हम सभी तो है भाई भाई ।
संतान हैं एक ही ईश्वर की,
क्यों न करें मदद मानव की ।
रक्त दान से जीवन जिसे मिले,
उसके आशीर्वाद से हम फूलें-फलें ।
रक्त का रंग है सभी का लाल,
दान देने में फिर क्यों हो मलाल ।
स्वार्थी हमें नहीं बनना है,
रक्त दान निःसंकोच करना है ।

आशा कपूर
I Year (I.T.)

"जीतना ही सब - कुछ नहीं है
किंतु यह दूसरे हर स्थान पर आने
वाली चीज को मात देता है ।"
– पाल डब्लू 'बीयर' ब्रायर

प्रतिस्पर्धा

पुल के ऊपर एक महोदय जा रहे थे.
नीचे एक महाशय गोते खा रहे थे ।
ऊपर वाले महोदय ने फौरन रस्सी फेंकी,
परन्तु नीचे वाले महाशय उसे पकड़ नही
पा रहे थे ।

रह - रह कर चिल्ला रहे थे,
" अरे ! बचाओ बड़ी महंगी जिंदगी है.
अभी कल ही एबीसी कम्पनी में नौकरी
लगी है।"

इतना सुनते ही ऊपर वाले सज्जन ने
रस्सी खींच ली.
और उन्हें डूबता देख अपनी आँखें मींच
ली ।
जनाब दौड़े - दौड़े एबीसी कम्पनी आये.
और हाँफते हुए अधिकारी से फरमाये ।

हुजूर अभी एक युवक डूब कर मर गया,
वह आपकी कम्पनी में एक जगह खाली
कर गया
ये लीजिए मेरी डिग्रीयाँ सम्भाले,
मैं बेरोजगार हूँ मुझे काम पर लगा लें ।

इतना सुनकर अधिकारी बोला,
दोस्त तुमने बड़ी देर कर दी,
हमने अभी - अभी वो जगह भर दी ।
उसकी जगह उस सज्जन को लगाया है ।
जो उसे पुल से धक्का देकर आया है ।

— निशा चौधरी
VI Sem. (I.T.)

जीवन सार्थकता

अंधेरे को चीरते हुए उसने कहा,
अब मैं परिपक्व हूँ, स्वच्छ हूँ,
मेरे हाथ की, विराटता पर शिखर है ।

मैं अब वो हूँ, जो कभी न थी.
जहाँ तक दृष्टि जाती है.
मैं ही मैं हूँ, उस अनंत लोक तक.
श्वेतता है, उज्ज्वलता है ।

उज्ज्वलता - उस में तो
दृष्टिगत होती है -
चीथड़ों में लिपटी गरीबी,
वासनात्मक क्रियाऐं व्यक्ति की
कुण्ठा, आक्रोश, घृणा
शोषित का शोषण व संहार ।

मुँह उगाढ़ता जीवन,
मृत्यु के लिए तरसता जीवन,
विश्वासों को कोसता घात,
मोह को भंग, करता छुटावा

क्या यही सब है, इस अंधकार के पार
कहाँ है वो नवजीवन,
कलियों सा पल्लवित यौवन,
मृत्यु को भी हीन मानता जीवन
कहाँ है यह सार्थकता ?

शालिनी पुरी
व्याख्याता - संगणक विज्ञान

किसान

अपने खून की एक-एक घूँट से
सींचता है जो किसान इस धरती को
जीवन उसका धंझट पड़ा है ।
हे भारत के लोगों ! तुम कितने स्वार्थी हो
यह भी एहसास नही कि एक अंग टूटा पड़ा
है ।
वह एक राहगीर है जिसे अपनी मंजिल का
नही पता, लेकिन फिर भी वह चलता जाता है
मन में संजोए कुसरों के स्वप्न.
घस कर्म करता जाता है।
उसका मन निश्छल, तन निश्छल, पर घर
उजड़ा पड़ा है ।
हे भारत के लोगों ! तुम कितने स्वार्थी हो
यह भी एहसास नही कि एक अंग टूटा पड़ा
है ।

जाड़े की सर्द ठिठुरती भोर में.
कंधे पर डले अंगोछी,
चल दिया अपने बैलों के संग
घनकर उनका हमजोली,
सुबह से शाम तक लगा रहता खेतों में
तपती धूप हो या बरसता पानी.
कड़ी मेहनत करके जब लौटा वह शाम को
तो देखा उसने कि चूल्हा ठण्डा पड़ा है ।
कुसरों का पेट भरने वाला देखो आज भूखा
पड़ा है.
हे भारत के लोगों! तुम कितने स्वार्थी हो
यह भी एहसास नही कि एक अंग टूटा पड़ा
है ।

राजेन्द्र प्रसाद बुरानिया
IV Sem. (Elect.)

"आध्यात्मिक जीवन के प्रारम्भ में हम भले ही बाहर के गुरु की सहायता लें, पर जैसे-जैसे हम आगे बढ़ते
हैं, हम पाते हैं कि यथार्थिय गुरु तो हमारे भीतर है।"

- गुरुज्ञान

स्वामी केशवानन्दजी के आदर्श

❖ मैं इस संसार में केवल एक बार ही आया हूँ इसलिए यदि कोई अच्छा काम कर सकूँ या किसी के प्रति दया दिखा सकूँ, तो वह मुझे अभी कर लेनी चाहिए और न कि आगे के लिए इसे स्थगित ही करना है, क्योंकि मुझे इस रूप में दुबारा नहीं आना है ।

❖ बड़े से बड़ा भवन अपनी नींव पर खड़ा है । इसी प्रकार जाति का भवन उत्तम जनसेवक की बुनियाद पर खड़ा होता है । अतः इंसान को अपनी बुनियाद मजबूत कर लेनी चाहिए।

❖ बड़े न बनो बड़ाई में, बड़े तले जाते है तेल की कड़ाही में, इसी प्रकार जन-जन के कष्ट में जो अपने को तल देता है, वही बड़ा जन सेवक होता है ।

❖ जिन सत्पुरुषों के हृदय में परोपकार-वृत्ति जागती है और तदनुसार जो लोकसेवा में जुट जाते है, उनकी विपत्तियों का जाल कट जाता है और पद-पद पर उन्हें सुख प्राप्त होता है।

❖ महापुरुषों के कार्यों की सिद्धि उनके आत्मबल से होती है, किन्ही बाह्य साधनों से नहीं ।

❖ श्रेष्ठ पुरुषों का उत्साह ही उन्हें बलवान बनाता है, उत्साह से बड़ा कोई बल नहीं है, उत्साहशील व्यक्ति के लिए संसार में कुछ भी दुर्लभ नहीं है।

<div align="right">

श्रवण कुमार
VI Sem. (Comp.)

</div>

सफलता की चुनौती

सफलता एक चुनौती है, स्वीकार करो ।
कहाँ कमी रह गयी है, देखो, सुधार करो ॥
जब तक न हो सफल, नींद चैन को त्यागो तुम ।
संघर्षों का मैदान छोड़, मत भागो तुम ॥
कुछ किये बिना, विजय साकार नहीं होती ।
मेहनत करने वालों की कभी हार नहीं होती ॥
मुश्किलें दिल के इरादे आजमाती हैं ।
ख्वाबों के पर्दे निगाहों से हटाती हैं ॥
हौसला मत हार, गिरकर ओ मुसाफिर ।
ठोकरें इन्सान को चलना सिखाती हैं ॥
इरादे अगर पक्के हैं बन्दे,
तो मंजिल तेरी दूर नहीं ।
ढलता दिन मजबूर सही,
उगता सूरज मजबूर नहीं ॥

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आशा कपूर
I Year (Sec. D)

</div>

क्यों थक गया राही ?

क्यों थक गया राही ?
मंजिल क्या मिल गई तुझको!
क्यों लड़खड़ाने लगे कदम तेरे,
रास्ता इतना कठिन तो नहीं ।
क्यों दिल में उदासी और मन में मायूसी छाई है,
दिल की ज्योत अभी बुझी तो नहीं है ।
क्यों थक गया राही ....?
क्यों दूर गगन का चाँद दिखाता नहीं तुझको ?
क्यों रोशनी उसकी खींचती नहीं तुझको ?
रोशनी से तेरा मन अभी भरा तो नहीं है ।
शिखर पर पहुँचना कठिन है उतरना बहुत आसान,
उतरने की खुशी में तू चढ़ता क्यों नहीं है ?
खुशी से तेरा मन अभी भरा तो नहीं है ।
क्यों थक गया राही ?
मंजिल क्या मिल गई तुझको!

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महेश पारीक
व्याख्याता–संगणक विज्ञान

</div>

"हर कोई कुछ बड़ा भारी कर गुजरने के फेर में है, बिना यह महसूस किए कि जीवन छोटी - छोटी बातों से मिलकर बना है ।"
– फ्रेंक ए ब्लाक

जीवन और कैमिस्ट्री

गमों के ज्वालामुखी में डूबा था ऐसे,
पानी में डूबा हो 'सोडियम' का टुकड़ा जैसे,
तब मेरे अस्त व्यस्त जीवन को कंट्रोल किया तुमने आकर,
जैसे किसी तेज रिएक्शन को कंट्रोल करता है 'मॉडरेटर' ।
मेरे रंगहीन जीवन को रंगीन किया ऐसे,
'पोटेशियम परमैंगनेट' पानी में घुला हो जैसे ।
तुम मुझे हमेशा मुस्कुराती हुई नजर आती थी,
और मुझे 'नाइट्रस ऑक्साइड' का स्मरण कराती थी ।
तुम्हारी मुस्कान ने मेरे गमों को ऐसा भुलाया,
जैसे 'सोने को 'एक्वा रेजिया' ने अपने में घुलाया ।
जब तुमने मुझे रिंग उपहार स्वरूप दी थी,
तब मुझे भी 'रिंग टैस्ट' की याद आई थी ।

पर तुमने मुझसे ऐसे मुंह मोड़ा,
जैसे 'डाइमैग्नेटिक सब्सटैंस' ने 'मैग्नेटिक लाइन' को मोड़ा,
तुम्हारा साथ पाकर सोचा था कि हम तुम 'ट्रूसोल्यूशन' है,
पर वह तो 'सस्पेंशन' निकला ।
जब तुमने बदल ली अपनी साइड,
तो मैंने भी सोचा कि खा लूं मैं भी 'पोटेशियम सायनाइड'।
लेकिन तभी मुझे 'सबस्टिट्यूशन रिएक्शन' की याद आई,
और मैंने सोचा था कि अब मैं दिल में भरूंगा 'फाइबर रिएक्टिव डाई'।
अगर तुम खुद को समझती हो 'ब्रोमीन',
तो याद रखें मैं भी हूं 'ग्लिसरीन' ।
मैं तुम्हारी जिन्दगी को बना दूंगा ऐसा रिएक्शन,
जैसे 'पोलोनियम' ने इरिवर्सिबल किया हो रिडक्शन ।।

दीपक गुप्ता
I Year (Sec. B)

विचार

ज्ञान जब इतना घमन्डी हो जाए, कि रो ना सके,
ज्ञान जब इतना गम्भीर हो जाए, कि हंस ना सके,
ज्ञान जब इतना आत्मकेन्द्रित हो जाए, कि अपने सिवाय
किसी और के बारे में सोच न सके,
तो वह ज्ञान अज्ञान से भी अधिक खतरनाक है ।

बादल चौधरी
VI Sem. (I.T.)

भटके है रास्ते

भटके है रास्ते, Engg. में आ गये,
गर्दिशा में देखो, कितने टाटे छा गये,
Admission लेने के लिये,
कितने पापड़ बेले थे,
हवा में उड़ा करते थे,
धरती पर आ गये,
अपनी किस्मत पर हम,
आंसुओं की नदी बहा गये ।

Admission मिला तो सोचा,
सारी चिन्ता दूर हुई,
अब Engineer बन जायेंगे,
जीने के चढ़े मजे आयेंगे,
किसी फिल्मी हीरो की तरह,
College में गाने गायेंगे,
खेलेंगे, खायेंगे, डन्स करेंगे ।

पर क्या पता था इस चक्कर में,
खुद घनचक्कर बन जायेंगे,
आदमी अच्छे खासे थे,
हम गधे बन जायेंगे,
जवानी बीत जायेगी,
फिर Degree हाथ में आयेगी,
जीते नही मरते हैं,
रात-रात भर Submission पूरा करते हैं ।

लेक्चर में सोकर नींद पूरी करते है,
Submission के लिए टीचर की पूजा करते है,
Tension के मारे सर पर चाँद छा गये,
भटके हैं रास्ते Engg. में आ गये ।

विशाल व्यास

हार नहीं होती ...

लहरों से डर कर नौका पार नही होती,
कोशिश करने वालों की हार नही होती ।
नन्ही चींटी जब दाना लेकर चलती है,
चढ़ती दीवारों पर सौ बार फिसलती है।
मन का विश्वास रगों में साहस भरता है,
चढ़ कर गिरना, गिरकर चढ़ना न अखरता है।
आखिर उसकी मेहनत बेकार नही होती ।
कोशिश करने वालों की हार नही होती ।

डुबकियाँ सिंधु में गोताखोर लगाता है,
जा - जाकर खाली हाथ लौट आता है ।
मिलते न सहज ही मोती गहरे पानी में,
घटता दूना उत्साह इसी हैरानी में ।
मुट्ठी उसकी खाली, हर बार नही होती,
कोशिश करने वालों की हार नही होती ।

सफलता एक चुनौती है, स्वीकार करो,
क्या कमी रह गयी, देखो और सुधार करो ।
जब तक न सफल हो, नींद चैन की त्यागो तुम,
संघर्षों का मैदान छोड़ मत भागो तुम ।
कुछ किये बिना ही जय - जयकार नही होती,
कोशिश करने वालों की हार नही होती ।

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दिव्या भार्गव
VI Sem. (E.&C.)

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निराशा

बड़ी Confusing है ये Life
होता नही सवाल एक भी Right
हम होते है depressed in Night,
और खाते है खाना सिर्फ एक Bite
मन करता है करने को Fight
पर पैसे नही है जेब में Upto that height,
मन बहलाते है अपना, उड़ाके Kite.

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धर्मेन्द्र चौधरी
IV Sem. (E.E.)

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मन्ज़िलें

मन्ज़िलें उन्हें नही मिलती,
जो रहते है कल्पना के सहारे ।
प्यासे वो भी रह जाते है,
जो बैठें हों दरिया किनारे ॥
मन्ज़िलें उन्हें मिलती है,
जिनके सपनों में जान होती है ।
पंख होने से क्या,
उड़ान तो हौसलों में होती है ॥

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राजेन्द्र जैन
VI Sem. (I.T.)

</div>

भूले भटके ही सही

जागते रहिए जमाने को जगाते रहिए ।
मेरी आवाज में आवाज मिलाते रहिए ॥
हमने कल रात जलाये थे जो चौपालों पर ।
उन अलावो की राख जरा हटाते रहिए ॥

नींद आती है तो तकदीर भी सो जाती है ।
कोई अब सो न सके गीत वो गाते रहिए ॥
भूखा सोने को भी तैयार है ये देश मेरा ।
आप रोटियों के उसे ख्वाब दिखाते रहिए ॥

वक्त के हाथ में पत्थर भी है और फूल भी ।
चाह फूलों की है, तो चोट भी खाते रहिए ॥
जाने कब आखिरी टी खत आपके नाम आ जाये ।
आपसे जितना प्यार बने लुटाते रहिए ॥

रोती आँखें उन्हें मुमकिन है।
जिन्हें किसी की याद आ जाये ॥
इसलिए हाथ हत्यारों के अश्को से धुलाते रहिए ॥
क्या अजब है कि समय फिर से मिला दे हमको।
टूट जायें न रिश्तों को निभाते रहिए ॥
आपसे एक गुजारिश है यही 'शरद' की ।
भूले भटके ही सही घर मेरे भी आते रहिए ॥

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हिरदेश कुमार शरद
IV Sem. (Comp.)

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माँ

जिस शब्द में सम्पूर्ण सृष्टि है व्याप्त,
जीवन शुरु हुआ यही और यही हुआ समाप्त,
सबसे सुन्दर रचना है जो इस कायनात की,
अमृत दिया जीवन को जो था कभी विषाक्त,
छाँव उसके आँचल की, वाणी की मिठास,
कही न मिला ऐसी सुरक्षा का एहसास ।
प्रेम भाव है जिसका गहना, निर्मल निश्चल गंगा की
धार,

याद आता है उसका नि:स्वार्थ ममत्व अपार,
मेरी दृष्टि में उसका जीवन,
त्याग है, कर्तव्य है, आरती के दीप तुल्य,
पूज्य है, पावन है,
सम्पूर्ण विश्व का द्योतक है माँ,
इस विश्व की संचालक है माँ,
माँ से सीखी पहली बोली, देखा ये संसार,
आज खो रहा अस्तित्व उसका होकर बेज़ार,
क्यों नहीं बचा रहे हो उसका सम्मान,
माँ ने ही दिया सबको जीवन का वरदान,
कोई पूछे मुझसे तुमने देखा है भगवान,
तो कहूँगी मैं, " वो है मेरी माँ के समान " ।

विनीता पाण्डेय
VI Sem. (E & C)

मेरा नाम इंजीनियर

ऐ भाई ! जटा पढ़ते चलो,
ई. टी. ही नहीं मैकेनिक्स भी,
फिजिक्स ही नहीं कैमिस्ट्री भी,
मैथेमेटिक्स ही नहीं सोशालसाइंस भी,
ऐ भाई ....

तू जहाँ आया है,
वो कोई आर्ट्स नहीं, कौमर्स नहीं,
साइंस नहीं, लॉ नहीं,
कुकिंग नहीं, Music नहीं,
इंजीनियरिंग है ।

और प्यारे !
इंजीनियरिंग एक पहाड़ है ।
और पहाड़ पर चढ़ने के लिए
बड़े को भी, छोटे को भी,
दुबले को भी, मोटे को भी,
Shawney से Shawney तक,
Wadekar से Hooper तक,
दिन रात पढ़ना पड़ता है ।
ऐ भाई........

Failure से डरता है क्यों,
Repeat से डरता है क्यों,
अरे Repeat जब तक न पायेगा,
पास किसी के तू तब तक न जायेगा

मुदित कुलश्रेष्ठ
VI Sem. (E&C)

सीख पहाड़े की

रामचरित मानस के रचयिता गोस्वामी
तुलसीदास जी ने लिखा है -

"तुलसी राम स्नेह करू, त्यागि सकल उपचार ।
जैसे घटत न अंक नव, नव कं लिखत पहार ।।"

अर्थात् जिस प्रकार नौ का पहाड़ा नौ से प्रारम्भ
होता है तथा नौ पर ही समाप्त होता है । हे मनुष्य! उसी
प्रकार तू सारे उपचार छोड़कर राम की भक्ति में जीवन
समाप्त कर । साहित्यकार पंडित राम नरेश त्रिपाठी के
अनुसार मनुष्य को विपरीत परिस्थितियों में भी अपनी
पहचान नहीं खोनी चाहिए । जीवन में कष्ट, दु:ख और
सुख आते ही है, किन्तु मनुष्य को उन्हें धैर्यपूर्वक सहना
चाहिए -जैसे नौ का पहाड़ा अविचल रहकर अपने नव
अंक को जीवित रखता है।

राष्ट्रपिता महात्मा गांधी को नौ का पहाड़ा
अतिप्रिय था । उन्हें नौ का पहाड़ा एक बच्चा लगता था -
मासूम और पाप रहित । बड़ा हुआ तो उसमें एक गुण था,
आठ अवगुण - ठीक दुनी अठारह की तरह । फिर उसमें
दो गुण व सात अवगुण आए । इस तरह जब वह नौ तक
पहुँचा, तो वह आठ गुण व एक अवगुण पहचान गया और
फिर पूर्ण रूप से नौ बन गया। अवगुण उसमें शून्य रह
गए । बापू के अनुसार 'नौ का पहाड़ा हमें यह सिखाता
है कि हम उन्नति के मार्ग पर बढ़ सकते हैं, जब नौ के
पहाड़े की तरह हम अपनी बुराईयों को जीत कर ही सच्चे
मनुष्य बन सकते है।

आशा कपूर
I Year (Sec.-D)

"शिक्षा प्राप्त करने के तीन आधार है -
• अधिक निरीक्षण करना
• अधिक अनुभव करना एवं
• अधिक अध्ययन करना" ।

- महात्मा गांधी

"प्रार्थना आत्माशुद्धि का आह्वान है
यह विनम्रता का द्योतक है
प्रार्थना पश्च्याताप का एक चिन्ह है
प्रार्थना हमारे अधिक शुद्ध होने की
आतुरता को सूचित करती है ।"

- महात्मा गांधी

सामयिक गान

जय गणेश, जय गणेश,
जय गणेश देवा।
जनता सारी भूखी मरे,
मंत्री खाए मेवा।।

कुर्सी के खेल में
अब भय नेता,
वादों की नाव को कोई नहीं खेता
माँझी के नेवर अब हुए जानलेवा।
जय गणेश, जय गणेश,
जय गणेश देवा।।
एक नहीं, दो नहीं
सब भ्रष्टाचारी,
जुल्म इनके सह रही
जनता बेचारी।
गरीबन के खून से, करे ठंडा कलेजा।
जय गणेश, जय गणेश,
जय गणेश देवा।।
प्यासन को लोटा देत
भूखन को थाली,
चमचन को मौका देत
औरन को गाली।
चुनाव के टेम, करें सब देश सेवा।
जय गणेश, जय गणेश,
जय गणेश देवा।।

आशीष बंसल
IV Sem. (E.&C.)

नक्षत्र-दीप

ऐ धरती के दीप !
नन्हीं – सी औकात लिए,
टिम–टिम के मद्धिम प्रकाश में,
धरती के अभ्धकार को,
क्या तुम सिमटा लोगे ?
ऐ नभ के नक्षत्र !
प्रश्न यही मैं करता तुमसे
नन्हीं – सी औकात लिए
सूर्य के स्थिर प्रकाश में,
तथा नभ के अभ्धकार को
अपनी ज्योति में दूर करोगे ?
तुममें मुझमें है एक अन्तर
तुम अपनी ज्योति से,
स्वयं चमकते रहते हो,
तुम्हें नहीं कुछ लेना देना,
अपनी रोशनी में रहकर,
खुद की राह बनाते हो।
मैं जलता हूँ परहित खातिर,
तुम भूले – भटके जन को,
आशा की किरण दिखाकर,
सही मार्ग बतलाते हो।
पलभर का उजियाला देकर,
जीवन सफल बनाते हो।
कर्म के अंतिम कगार पर,
मृत्युलोक पा जाते हो।

अभिनव अग्रवाल
IV Sem. (E & C)

कल और आज ...

कल मैंने देखा,
चौराहे पर एक दुखियारी को,
कुछ बुदबुदा रही थी।

लोगों के आगे गिड़गिड़ा रही थी,
बच्चा भूखा था उसका,
दूध के पैसा जुटा रही थी।

कुछ उस पर मुस्कांते,
कुछ दुत्कारते जाते रहे, मगर
कोई न समझा व्यथा,
उस दुखियारी की।

शाम हुई लौट चली घर,
वह खाली हाथ।
आज फिर थी, वह
उसी चौराहे पर, मगर
आज बच्चा भूखा नहीं
दुनिया में ही नहीं था।

और वह,
कफन का पैसा जुटा रही थी।
गुमसुम थी वह, मगर
देखते – देखते उसके सामने
पैसों का ढेर हो गया।।

रणवीर प्रसार यादव
VI Sem (E. E.)

''समय की कीमत''

१. एक वर्ष-एक वर्ष की कीमत समझने के लिए उस विद्यार्थी से पूछो जो परीक्षा में फेल हो गया।

२. एक माह-एक महीने की कीमत उस माँ से पूछो जिसने अभी-अभी एक नवजात शिशु को जन्म दिया है।

३. एक सप्ताह-एक सप्ताह की कीमत समझने के लिए किसी साप्ताहिक संपादक से मिलो।

४. एक दिवस-एक दिन की कीमत समझने के लिए किसी दैनिक मजदूर से मिलो।

५. एक मिनट- एक मिनट की कीमत उस व्यक्ति से पूछो जिसकी ट्रेन छूट गई हो।

६. एक सैकण्ड- एक सैकण्ड की कीमत उस व्यक्ति से पूछो जो भीषण दुर्घटना में बच गया हो।

७. एक मिली सैकण्ड- एक मिली सैकण्ड की कीमत उस व्यक्ति से पूछो जो ओलंपिक में स्वर्णपदक हार गया हो।

निशा चौधरी
VI Sem. (I.T.)

विद्यार्थी वर्ग के पहलू

पाठकों को मेरा सप्रेम नमस्कार,
प्रस्तुत है विद्यार्थी वर्ग के नाना प्रकार।
किया शोध गहन, चिन्तन तथा विचार,
विद्यार्थी वर्ग के होते हैं चार प्रकार ॥
एक तो वे जो बहुत पढ़ते हैं,
किताबों में मानो हर पृष्ठ से लड़ते हैं।
अध्ययन में रहते हैं हरदम व्यस्त,
इसलिए रहते दिनभर सुस्त और पस्त ॥
दूसरे वर्ग में वे विद्यार्थी आते हैं,
जिन्हें पढ़ने के अलावा सभी कर्म आते हैं।
ये अक्सर विद्यालय कम ही जाते हैं,
इन्हें अभिभावक हमेशा सिनेमा में पाते हैं ॥
इन्हें फिर मिलती है, संस्कारों की दुहाई,
असामान्य स्थिति में हो भी जाती है पिटाई।
इस पर भी नहीं बदलते इनके रंग,
हाँ, गुठली मारने का बदल जाता है ढंग ॥
तीसरे प्रकार का वर्ग इन दोनों के बीच होता है,
सामान्य विद्यार्थी इसमें ही फँसा होता है।
पढ़ाई और मस्ती में जब नहीं रख पाते मेल,
तो हो जाते हैं कुछ विषयों में फेल ॥
भरते हैं विचारों की उड़ान ऊँची,
लेकिन कुछ करने की मुट्ठी कभी न भींची ॥
चतुर्थ वर्ग में मेहनती लोग आते हैं,
हर विषय में ये अंक खूब लाते हैं।
रखते है पढ़ने और मस्ती में बैलेन्स,
इसलिए इनके होते हैं सर्वाधिक फैन्स ॥
लक्षणों के आधार पर विभाजन यह किया गया है,
इसी प्रकार इनके व्यवसायों का चयन किया गया है।
प्रथम वर्ग किसी रिसर्च संस्था में पड़ा होता है,
स्वाभाविक जीवन का अनुभव इनको थोड़ा कम होता है ॥
दूजा वर्ग नेता या अभिनेता बनता है,
जिन्हें देश से ज्यादा अपने कैरियर की चिन्ता है।
तीसरा वर्ग होता है बेकार और बेरोजगार,
नौकरी के लिए काटता चक्कर कई बार,
हालात से दुःखी, व्यग्र तथा लाचार ॥
चतुर्थ वर्ग सदा ही सफल होता है,
इनका जीवन सम्पन्न तथा सुखी होता है।
यह वर्ग अपने कर्तव्यों के प्रति सजग होता है,
इसलिए यह अपने देश का भविष्य होता है।

दीपक गुप्ता
I Year (Sec-B)

जलदाता

जेष्ठ माह की तपती दुपहरी,
पवन का प्रवाह प्रतिपल,
जब लू बन कर भभकता है।
मरुस्थली के प्रत्येक टीले पर
लहर—सी अंकित कर चारों ओर
आग उगलता है ॥
श्वास—प्रश्वास जब करता है,
जीवन दुष्कर निर्जन चतुष्पथ पर,
बैठा है वह शीतल जल घटक लिए।
पश्चिम के पूंजीवाद की मान्यता
और उन्मुक्त व्यापार की परिकल्पना के
सम्यक प्रतिरोध में।
भ्रमित दिग्भ्रमित पथिक को
सत्य पथ प्रदर्शन हेतु।
जलदाता की यह मूर्ति
भारत के ग्राम—ग्राम में उभरती है ॥
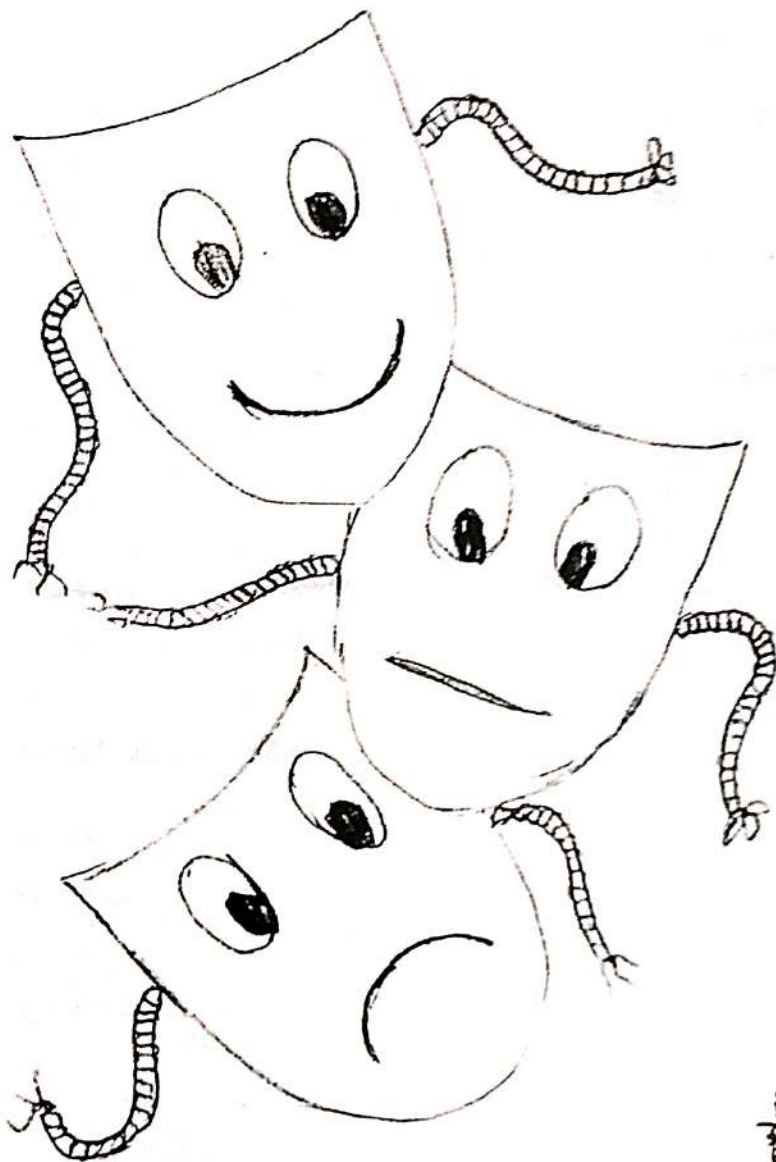
राम प्रभाकर

जिन्दगी है एक जुआ

जिन्दगी है एक जुआ, ऐ दोस्त मेरे सुन
चाहे उड़ आसमाँ में, सपने हजारें बुन।
वक्त नहीं करता इन्तजार, पीछे वालों का,
वक्त तो देता है साथ, आगे बढ़ने वालों का।
जानता हूँ मैं पीछे रहने वालों में तू नहीं,
ढूँढ ही लेगा तू, अपनी मंजिल कहीं ना कहीं।
पर ध्यान रखना हमेशा, 'राज' इस बात को,
दीपक बन जलना है, तुझे हराना है अन्धकार को।

दूसरों की जिन्दगी का, सहारा तुझे बनना है 'राज',
चाहता हूँ यही वादा, तुझसे मैं आज।
जीवन के इस सफर में, तू हमें ना भूल जाना,
दोस्ती जो की है तो हमेशा निभाना।
बात मेरी मान, अपने दिल की भी बात सुन,
चाहे उड़ आसमाँ में, सपने हजारें बुन,
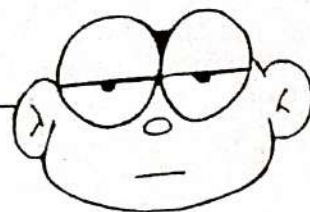जिन्दगी है एक जुआ, ऐ दोस्त मेरे सुन।

राजेन्द्र जैन (राज)
VI Sem. (I.T.)

Entertainment

Technofundas

Chemistry of Women

Symbol : Wm
Atomic wt : highly variable
Atomic no : 0

PROPERTIES :

1) Boils very easily.
2) Freezes very rapidly.
3) Melts on flattering & given gifts

CHEMICAL PROPERTIES :

1) Very active and highly reactive.

2) Possesses great affinity towards gold, silver & other costly articles.

3) Violent reaction if not on time & left alone.

4) Turns green when placed besides better-looking specimen of same species.

5) Under extreme condition such as $0°C$ & under the presence of certain substances such as catalyst they can be maintained at normal.

OTHER PROPERTIES :

1) Stain or over stain with powder, lipstick & many other things.

2) Never ages beyond sweet 16.

3) Jealous talkative & suspicious

USES

Fast medium for spreading top-secrets.

CAUTION

Highly explosive, handle with care.

(Sorry if ladies get provoked !!)

Shalesh Sharma
IV Sem. (Comp.)

How to Catch A Lion

NEWTONS METHOD :

Let the lion catch you, because for action there is an equal and opposite reaction. Implies you caught the lion.

EINSTEIN METHOD :

Run in the opposite direction to that of the lion. Due to higher relative velocity the lion will also run faster and will get tired soon then you can trap it easily

SCHRODINGERS METHOD :

At any given moment, there is appositive probability that lion will fall in your trap. So set the trap, sit down and wait.

INVERSE TRANSFORMATION METHOD :

We place a spherical cage in the forest and enter it. Perform an inverse transformation with respect to lion. Lion is in and we are out.

THERMODYNAMIC PROCEDURE :

We construct a semi permeable membrane, which allows everything to pass through it except lions. Then sweep the entire forest through it.

INTEGRATION – DIFFERENTIAL METHOD :

Integrate the forest over the entire area. The lion is somewhere in the result. So differentiate the result partially with respect to lion to trace out the lion

Ekta Gupta
VI Sem. (I T)

Real Co-Me-Dy

Phy. St.	-	Hey! Mr. X do you know me? If I slap you with high velocity, then your speed of running from thre will increase to infinity.
Chem. St.	-	Don't show yourself a strong acid. If I react with you, the color of your cheek will turn from brown to red.
Phy. St.	-	Oh! Shut up, or I will make your attain escape velocity & throw you in space.
Chem. St	-	Don't try to put me into an excited state from ground state otherwise I will break every bond.
Phy.St	-	You can't break any bond but if I attain my critical position then there will be continuos emission of blows on you.
Chem. St.	-	That will effect my energy and I will beat you with TRIPOD-STAND.
Maths St.	-	Oh! Mr. X & Mr. Y, stop this quarrel and stand perpendicular at the point of contact with earth in parallel and in opposite direction to me, in the same plane you are quarreling, otherwise I will differentiate you from this integrated state & I will put forward these very co-ordinates.

Rupmeet Singh
IV Sem. (EE)

The Poor English

More than any other language, English is a language of combinations. To begin with, bouquet and flower are both Arabic. The tulip is Dutch. Supper, menu, salad and dessert come from the French. Cheese was originally Latin. Tomato is Mexican Indian. Sherbet and coffee are Turkish. Cocoa is Spanish and tea is Chinese.

Let's take a look at clothes. Jacket is French, and "trousers" are Irish. When we speak of a shawl, we use a Persian word. Turban is Turkish, satin and cotton are French. Many of our everyday words about music come from foreign lands. The Waltz is a German name; the opera is Italian; violin and piano are Italian. The trumpet is French and the guitar is Spanish. In our living room, we may have a sofa, which is Arabic; a divan, which is Persian. When it rains, we carry an umbrella in Italian.

A favorite sport skiing is a Norwegian word, or skating, a word from Old Norse. Our geometry is Greek, and our algebra is Arabic-as is chemistry. English can never be called "pure" and it isn't exclusive. The new Oxford dictionary now includes words like Rayata and Parantha from hindi.

So you now have some bullets to fire at someone. (Guess who....?)

Rupin Rawat
I yr. (Sec. C)

Opportunity may knock, only once, but temptation leans on the doorbell.

MY FIRST SHAVE

Manan Goyal
VI Sem. (E & C)

Yabadabadooo!!!.... No, I'm not gonna talk about Flintstones; nor I'm gonna take the likes o African tribes. But this was the only (yes the ONLY) exclamation I could think of on the day I got myself obliged by performing the sacred ritual of manhood.

So, let me ask you a simple (?) question. What's the most specific difference between Chandracood Singh in Maachis and Josh; in Aamir Khan in Gulam and Laagan; in Amithabh Bacchan in pre KBC and post KBC?......Got it!! So fast!!! I can't believe that. Yeah- it's the same old black/white (as the case may be) hairy thing, which unwillingly (or willingly) captures the lower part of the face precisely of the male gender of the human species.

Yeah, 'hairs', which cause trouble when you have them on the lower part of your face, and even more trouble when you don't have them on the upper part. But for the time being I'm gonna confine the topic, very commonly known as 'beard', to my handsome, jolly face only.

The beard on my (handsome) face, like the thorns in the rose. Man only I knew how I envied my classmates, my elders, and even my father for being empowered to perform this sacred ritual and what else could have I done – just wait and watch. You can't imagine how it crushed me seeing their clean-shaven faces. How the fresh tingling smell of aftershave teased my nostrils. But at last I did it...

It was a fine morning. Armed with my deadly weapons (a Gillette sensor, a shaving brush, a park avenue shaving cream, old spice aftershave – they suited me better than A.K.47, Ali Khan's Saloon shop no. 47), I got myself prepared for the battle against the enemy – the black tracheas weed on my handsome and jolly face. Now all I needed was a battleground and one with the mirror hung over the washbasin suited me the best.

Gently the brush was dipped in warm water and with it shaving cream was applied on the disgusting weeds. Minutes later, my face resembled upside-down Mount Everest. Then with my 1000mg fully automatic (razor) I attacked the enemy hidden in the fog. But, it wasn't even 5 seconds when I heard something very painful from my own mouth. Ouuchhh!!! oh! a cut! The red sea flew out of the globe. Okay, not to worry about, it's just (?) a cut. Let's resume. 10 sec - another cut. Still 10 sec, another. Should I stop?" 'NO' 'A Soldier Never Quits'. And I continued, so did the cuts.

Take 2. So, I once again applied shaving cream on my, red with blood, face. Have you seen a cone ice-cream (a softy) with red cherries? Well, my face looked like one. Oh, well, the process (yes, even the cuts) was repeated and here I was, ready to move on to the second part – the most auspicious one. The aftershave bottle was opened and few drops of sacred lotion wet my palms, and were applied most gently and smoothly on my (even more handsome – apart from some cuts) face. Snifff!! Ah, what smell!! I had been waiting for almost 17, long, agonizing, painful years for this moment.

Soon all was over. 10 minutes or so and a milestone recorded in the diary of my life. That unwanted beard slained off my face. So – 'How do I look?' Well, actually, I decided to experiment it with my sister. So after some time, I found her, and took my, even more handsome, face in front of hers." Hey sis, notice anything 'DIFFERENT'!" She took a long glance, as if inspecting a file report. "O Yeah," she replied, as a smile some how made it visible on my lips, "the whole tube of antiseptic cream has been used in one single day!"

My jaws dropped, my mouth fell open. I guess applying cream to the cuts wasn't a good idea after all. Well, but, never mind, better luck next time, because – A Soldier – I mean – 'A Shaver Never Quits'.

XWord

The crossword grid with numbers: 1-9 across top row, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33.

Down :

1. Neither Very hot nor Very cold(9)
2. Alienate, disunite(8)
3. Care of, Cobalt(2)
4. Short for hiegh, Hindustan times(2)
5. Uncharged elementary particle of an atom(7)
6. An eloquent public speaker(6)
7. falsehood, fraudulence, myth(3)
8. In the work cited, short for ocean.(2)
9. Capital of MYANMAR(6)
13. Subject common (Theoretical) in IT & Computer Science(2)
15. Vocalized pause(2)
19. Head of Reliance, who recently expired.(5)
20. A layer cake with fillings of custard, cream, meat etc.(3)
23. Augury, warning, premonition, A Hollywood horror movie.(4)
25. A river in Central & Northern Switzerland flowing into Rhine.(4)
27. In good physical condition, healthy.(3)
28. Straw mat, carpet.(3)
29. Dividing transmission facility (for different channels) one at a time or in time slots.(3)
31. Bachelor of Science(2)
32. In college subjects, circuit Analysis & computer Architecture are c/a.(2)

ACROSS :

1. Discovery of Science leads to improved...(10)
10. Which can be understood by only few people (8)
11. Short term for mountain(2)
12. Names for Arab Country(3)
13. TIN(2)
14. Before(3)
16. Short for Table Tennis.(2)
17. Unit for wt. of nails, equals 100 pounds.(3)
18. Liquid medicine put into ear in drops.(8)
21. Radon Symbol.(2)
22. Boundary or extent of one's view(7)
24. In return, back in response(5)
26. Rip, Rend(4)
28. Soak in water to get fibre from woody tissue(3)
30. Cerise, ruddy(8)
33. A hart or caribou, buck.(4)

Some Cool Definitions

Opportunist	:	A person who, while falling from Eiffel Tower says in midway, "see I am not injured yet".
Pessimist	:	A person who says that 'O' is the last letter in 'RO', instead of the first letter in the word "OPPORTUNITY".
Experience	:	The name men give to their mistakes.
Etc.	:	A sign to make others believe that you know more than you actually do.
Conference Room	:	A place where everybody talks, nobody listens &everybody disagrees later on.
Politicians	:	One who shakes your hand before elections & your confidence after.
Classic	:	A book, which people praise, but do not read.
Smile	:	A curve that can set a lot of things straight.
Conference	:	The confusion of one man multiplied by the number present.

Devendra Singh Shekhawat
IV Sem

WORTH PONDERING DEFINITIONS

1. G.K.	:	God knows.
2. Suspicious Person	:	A person who counts his fingers after every hand shake.
3. Proverb	:	A short sentence based on long experience.
4. Committee	:	A body that keeps minutes and wastes hours.
5. Secret	:	Something a woman can keep with telling effect.
6. Anger	:	A condition when tongue works faster than mind.
7. Boss	:	The person who is early when you are late and late when we are early.
8. Lecturer	:	One with his tongue in your ear and his faith in your patience.
9. Yawn	:	Opening one's mouth & hoping that the other would close his.

Suchita Sangi
IV Sem. (E&C)

TECHNICAL MARRIAGE

Dear Mr. Dynamics,

With due calculation, I want to know your opinion about the marriage of my youngest son "Mr. Zero" with your eldest daughter "Miss infinity". Through my son looks unworthy, he loves your daughter very much. They are prepared to die for each other. One can easily prove this fact by following: -

Any Digit / Zero = Infinity   Any Digit / Infinity = Zero

Anticipating your consent for which I shall be even grateful I suggest the month of June for this ceremony. Please let me know the date you will prefer, after consulting all your formulas, logarithmic and mathematical table and calculator. Please do consult your esteemed sister "Miss kinetic" and "Mrs. Kinematics" before you inform me about your final date. Give my regards to vibration "Mr. Truss" and "Mr. Friction" and love to free body.

Your Sincerely
Mr. Statics

N.B.- After marriage both Statics and Dynamics families will be known as "Engineering Mechanic Family".

Mudit Kulshreshtha
V Sem. (E & C)

Apply Physics To Get More Time

We all feel short time these days. Is there any way by which we can have more than 24 hours in a day? The answer is YES if we apply some PHYSICS.

Simple physics defines solar day a time taken by earth to rotate about its own axis. So, how we can change the speed (angular speed of the earth)? Either there be a HE-MAN or SHAKTIMAN who by "the Power of the universe" can control the speed or there be a sudden explosion.

At this stage, we apply simple physics law called law of Angular Momentum, which say, "In absence of any external torque the angular momentum of a rotating body remains constant". So, the relation will be-

Angular momentum $L=IW$

Where I = Moment of Inertia

W = Angular speed of Earth

In order to increase the time of rotation (day's length) decrease

W (2 e/T), we have to increase I.

We again apply physics to increase I (please don't apply here the computer funda I++) in the form of-

$I=MK^2$

M= Mass of Earth

K = Radius of Gyration

Simply increase M (Mass of Earth) by having more and more children on Earth.

We can also use sunlight to increase the Mass of Earth. As we know, light contains photons. Photons do have some mass so if we are able to trap these photons on earth, we can increase overall Mass of Earth. Now apply optophysics in it.

Since black object absorbs more and reflects less, so to get more time, paint the world black and let all become MIB (Men in Black). If we increase radius of gyration then also I (Moment of Inertia) increase.

Try to increase the radius of gyration.

'Nothing yet. ...How about you, Newton?"

One possible way is to move to altitudes (Kulu, Shimla, Mt. Everest etc.) to increase gyration radius. Better option will be move to equator - Kenya, West Indies. So, next time you hear Indian cricket team tour to West Indies, don't panic but this will give you more time to watch more cricket. Let's have next world cup and even Olympics in West Indies. This will give us more time for more excitement.

But, including these concepts, there are some more concepts to increase the Mass of Earth and lower the angular speed. So, we can say that Physics doesn't end here.

Surgyan Gupta
VI Sem. (I.T.)

Girls Hostel

Double occupancy furnished rooms with attached bathroom facilities are provided for 32 girls students. The hostel compound is located on campus site within a secure 7' high boundary wall. It supports indoor mess facilities on its ground floor. It houses a common room and a reacreation room. Indoor facilities are provided for physical exercise and games suuch as Table Tennis. Builing security guards are on duty round the clock. Warden residence on ground floor.
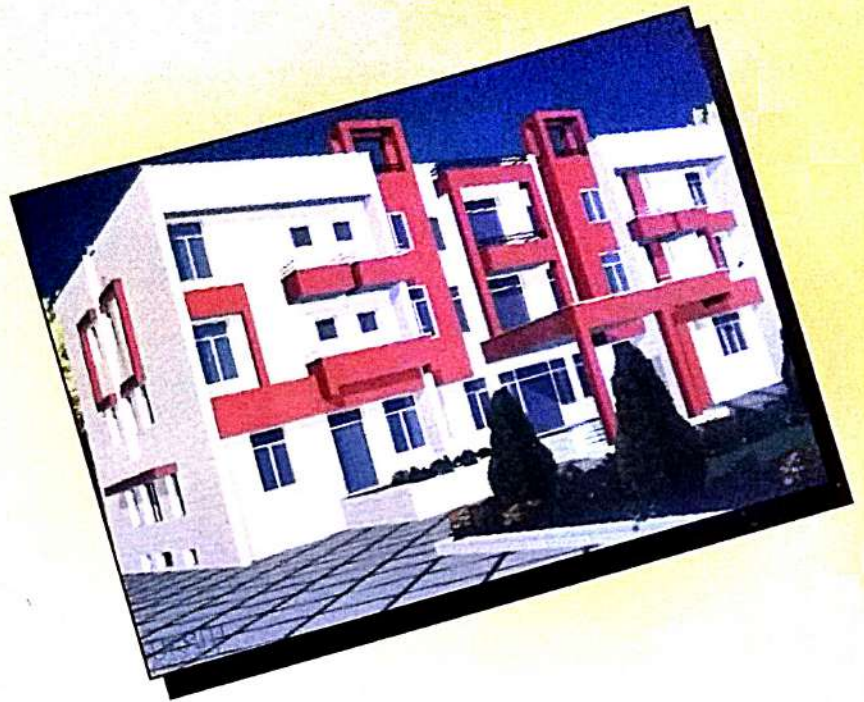
Boys Hostel

There are 124 well-furnished single occupancy rooms available for boys. The mess block is adjacent to the hostel. Sports facilities include tennis courts, basket ball courts, badminton courts, T.T. rooms and volley ball courts. It also includes a well planned civil amenities area having daily need shops, a cafeteria, Xerox, FAX and STD facilities. Efforts are also on to have a post office, a bank, and a dispensary.