



# THE SKIT TIMES

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

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## THE SKIT TIMES Our Mentor & Path Founder



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(1883 - 1972)

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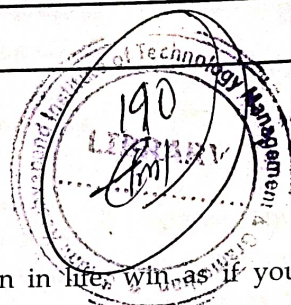
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## Editor's Column ...



"Whenever you win in life, win as if you are used to it. And whenever you lose in life, lose as if you enjoyed using just for a change-that's attitude."

Attitude is a key factor for success in today's world. A person with right attitude in life always achieve his goals. Attitude is nothing but a right approach, a distinct and unique way of looking at things and scenario. Attitude is a vision sometimes which provide you the ability to see what you can't normally.

I suppose in life most important is to live life, and to live life one need to learn each and every aspect of it. Whether it may be happiness or sadness all are part of life. One has to go through each phase of life and if he goes with a correct attitude, failure is not his fortune then.

Efforts goes side by side with attitude until and unless his efforts are being done, his approaches fail to get success. Now it comes efforts with right attitude, efforts with necessary intensity, timing and in right direction are important.

"I am not judged by the number of times I fail, but by the number of times I succeed. And the number of times I succeed is in direct proportion to the number of times I can fail and keep trying"

--Tom Hopkins

So with this edition of SKIT TIMES, I believe we all will make right efforts with right attitude.

"With best wishes for rest of the year."

**Shweta Rath**  
Chief Editor  
H.O.D., Dept. of English

"Life is nothing but impression on sand to be washed away by the waves of morality"



# Communiqué

## *inscription of happenings on SKIT arcadia*

### **STAFF DEVELOPMENT PROGRAMME**

A staff development programme for all the faculty members and senior staff was organized from 6th to 9th December, 2006 and from 13th to 16th December, 2006 in the institute. Faculty for the programme included Dr. N.K. Banthiya, Professor and Head of the Department of Mechanical Engineering, Prof. R.S. Mehta, Professor & Head of the Department of Management and Prof. P.C. Jain, Ex-Director, National Institute of Technical Teachers' Training & Research, Bhopal. During the first week, Dr. Banthiya, Coordinator of the programme discussed the issues related to Institutional Accreditation; Total Quality Management; SWOT Analysis; Measurement, Assessment & Evaluation of Students; Practical Training & its Evaluation, and Project Work & its Evaluation. During the second week of the programme, Prof. Jain and Prof. Mehta discussed issues related to Personality Development, Motivating self & others, Leadership, Team Working and Time Management. Programme was highly appreciated by all the participants.

### **TOASTMASTERS CLUB STARTED**

SKIT has launched a new toastmasters club that helps the people learn the arts of speaking, listening and thinking. Its mission is to provide the faculty and

students a mutually supportive and positive learning environment to enhance and develop their communication and leadership skills and build up confidence in daily dealings. The club was launched on 21st Dec. 2006 and was inaugurated by Prof. M.L. Bhargava. Each meeting of the club has speech and presentation sessions. The evaluation is also done by the members of the club. This is the best way in which skitians can foster self confidence and personal growth.

### **CAMPUS CONNECT SOFT SKILLS WORKSHOP**

Mr. Rohit Mukherjee (Reader, Deptt. of Mathematics) and Ms. Shweta Rathi (Lecturer, Deptt. of English) attended a multi topic facilitated Soft skill program. It was a 6 days program (Jan 7th 12th) organised by Infosys at Chandigarh. "Soft-skills" are those that are crucial to students ability to work "smarter". As there is a critical need to bridge the soft-skills gap, as a 5 days faculty roll out program had also undertaken seriously. Such training will surely help students to be "INDUSTRY-READY".

### **NATIONAL PHARMACY WEEK 2006**

National Pharmacy day was celebrated on 30th November with great enthusiasm in the college. The programme started with the warm welcome of Chief guest Mr. S.C. Panth (Rajasthan State Pharmacy Council), soon after the welcome, inauguration of pharma exhibition took place. Students of B.

Pharma presented their field very well and in a very wonderful way.

Chief Guest, Director Sir and Principal Sir enlightened the young minds with their working and able words of guidance. The programme concluded with prize distribution ceremony, the first prize for the models was awarded to Dheeraj Sharma and prizes for the charts was awarded to Neha Laddha & Santosh Jangid.

The programme was well appreciated by all and teachers contribution was excellent.

### **CONFERENCES ATTENDED :**

1. 76th Annual Session of National Academy of Sciences, India and Symposium on Science and Technology in the service of society held at IIT Bombay from 6th to 8th October, 2006.
2. International Workshop on the Physics of Mesoscopic and Disordered Materials MESODIS 2006 held at Indian of Technology, Kanpur from 4th to 8th Dec. 2006.
3. 51st DAE Solid State Physics Symposium (Dec. 26-30, 2006) held at the Department of Physics & Electronics, Barkatullah University, Bhopal.
4. 2nd National Conference on Condensed Matter and Material Physics at the Department of Physics, University of Rajasthan, Jaipur from February 1-3, 2007.

Dr. Y.C. Sharma  
Lecturer, Physics



**PAPERS PRESENTED :**

1. Electron momentum distribution and charge transfer study of arsenic triselenide.
2. Compton profile study of vanadium germanide and chromium germanide
3. Electronic Structure Study of Arsenic using Compton Spectroscopy.
4. Compton profile study of bonding in A-15 compound V<sub>3</sub>Ge

Dr. Y.C. Sharma

Lecturer in Physics

**SYMPOSIUM ATTENDED**

1. International Workshop on Hydrogen Energy, IWHE-2006 by Centre for non-conventional Energy resources held at Univ. of Rajasthan from 5th to 8th November, 2006.
2. International Symposium on Surface and Interface by Centre for non-conventional Energy resources held at Univ. of Rajasthan from 9th to 13th November, 2006.

(Dr. Veenu Sisodia)

Head, Dept. of Physics

**RESEARCH PAPER  
PUBLISHED**

Two-Dimensional Generalized Weyl

Fractional Calculus Pertaining to Two-Dimensional

H Transforms

(Dr. Amber Srivastava)

Senior Lecturer, Deptt. of Mathematics

Published in Tamkang Journal of Mathematics,

Taiwan, China.

Vol. 37, No. 3, 2006 (Sept.)

**CONFERENCE ATTENDED**

Dr. Amber Srivastava Senior Lecturer, Deptt. of Mathematics, attended a conference on Discrete Mathematics held at IISC, Bangalore from December 15 to December 18, 2006.

**DEPARTMENT OF  
MANAGEMENT STUDIES**

Prof. R.S. Mehta and Mr. S.K. Sharma (Department of Management Studies) attended an interactive session with the eminent Management Guru Prof. Paul H. Close, on the subject "India's Future in a Globalizing World" on November 18, 2006, at Hotel Clarks Amer, Jaipur. Prof. Paul H. Close is an expert in globalization and regionalization issues.

**WORKSHOP ATTENDED**

Students of MBA, Neha Shrimali (Miss) and Sumit Sukhija, participated in 4 Days Workshop on "Construction Project Management", organized by Rajasthan State Estate Development Council, during 9th to 12th February, 2007. It dealt with various issues related to management of projects in construction industry.

**PAPER PRESENTED**

Ms. Preeti S. Kurup, Lecturer, Dept. of English, attended and presented a paper "One Woman Theatre: Teejan Bai" at the II International Conference of the

Indian Society of Theater Research, 3-7 January, held at the Officer's Training School, Jaipur, hosted by Dept. of Modern European Language and Dept. of Dramatics, University of Rajasthan.

**CONFERENCE ATTENDED**

Students of MBA (Pt I) attended VCFIN 2006, 3rd National Conference on "Emerging Business Opportunities and Role of Venture Capital", on November 17th, 2006, organized by FICCI, RIICO and RVCF. It proved a great learning opportunity to students, as they came to know about various emerging business opportunities and the role of venture capital in business activities.

**PAPER PUBLISHED**

February 15th, 2007

Insights into Personal Investment Management", an article on investment management by Vikas Shrotriya, Reader, Department of Management Studies, is published in February 2007 issue of PORTFOLIO ORGANIZER, a magazine published by ICAI University. The article explores the importance of personal investment and factors to be considered while investing and creating a portfolio.

**WATER TREATMENT PLANT  
VISITED**

In the month of October, Students of BE 1st year visited the water treatment plant at the outskirts of Jaipur on NH-8. This visit was arranged by Dr. Sangeeta Vyas, Reader (Chemistry Deptt.). It is the first water plant in Jaipur



which was built in 1901 and started in 1931. The plant supplies water to the city specially to localities of Ambari Shah and Malviya. First, the students were shown the four water reservoirs of 4, 3 and 5 lac Gallons each. Then we were taken to the filter house where water is treated with Alum and Sunlight. We were then shown the coagulation tanks and filter beds. Lastly, the students stepped into the chlorination cell. The pure water was then tested by all the students and faculty present. It was a completely educative cum fun trip.

### **ROCK CLIMBING**

Young emplorers Association of Rajasthan had organized a camp in our college.

1. Demonstration on 8th Nov. 2006.
2. Duration of event 5day camp.

It was scheduled from 15th Nov. 2006. Students from our college were gone out to play following activities were part of the adventure sports.

1. Artificial wall.
2. Rope-way climbing.
3. Reppling
4. Mountaineering Technique
5. Tracing at Aravali hills and Rock climbing.

It held four days in our college campus. and 1 day and 1 night spent at Aravali hills. 153 students participated.

Mountaining camp experts Deepak Sharma and Rajya Vardhan Bahrgava came for the camp.

Sports incharge, Mr. Vachaswa Nunia put up a short but

entertaining program for the children by way of Rock climbing.

### **DEPARTMENT OF MANAGEMENT STUDIES**

November 20th, 2006

"NLP Skills An Overview", an article on soft skills by Vikas Shrotriya, Reader, Department of Management Studies, is published in November 2006 issue of MBA Review, a magazine published by ICAFI University. The article provides an overview of various neuro-linguistic programming skills that ultimately helps any individual to deliver results part excellence.

### **REPUBLIC DAY CELEBRATED**

Like every year, Republic Day was celebrate in our college premises on 26th January. With a feeling of patriotism students and faculty members gathered in large in the morning. The chief guest for the ocassion was our worthy chairperson, Sh. Surja Ram Meel. He precided over the whole function and gave his melodious speech after hoisting the national flag. The other guests of hnours also blessed the students. The atmosphere around was all motley with the patriotic songs and speeches. It was a completely awesome and patriotic scene. The function ended with distribution of sweets.

### **Inauguration of Toastmaster's Club at SKIT**

Realizing the importance of oral communication in the era of globalization of Indian economy and the role to be played by

engineers in the economy, SKIT has chartered a community club for students and faculty under the auspices of Toastmasters International club. With the objective of popularizing and refining the skills of oration, leadership, ability to potential think and corporate behavior.

'SKIT TOASTMASTER'S CLUB' is the first of its kind to be initiated in the technical Institutes of Northern India and second all over India, after Vellor Institute of Technology. The club was inaugurated formally by Dr. (Mrs.) Geetika Kapoor, Director Poddar Institute of Management, Jaipur, Mr. R.P. Kashyap, Ex-President Jaycee club and Prof. Emeritus J.N. Sharma, in the college premise on 15th Febuary, 2007.

Dr. Kapoor wished a success to the club. She underlined that it is a massive failure on the part of the present educational system due to which a gap has been created between educational institutions and student on one hand and industry on the other.

Mr. Kashyap said that the student must not let the desire to learn fade.

Prof. Sharma strengthened the idea further saying that the youth of today must have the skill of adapting him to different situations and for this communication and language is the most effective tool.

Toastmaster's club at Infosys Technologies Limited, Chandigarh is the mentor club of this club. The invitation is open to all irrespective of age, profession and background.



### SUCCESS AT GDs

- Be your natural self. Avoid putting on a show for the moderators.
- The score you receive depends both on what you say and how you say it. Your gestures and mannerisms are more likely to reflect your attitude than what you say.
- Be assertive not dominating.
- Be patient; don't lose your cool.
- Never get involved in one to one discussions with any

### RACK YOUR BRAIN

Guess the names of different soap from given hints

1. Frog live in
2. Name of city
3. All is well
4. Name of American President
5. Found in desert
6. Name of Flower
7. Full of life
8. House no.
9. Lady's Foot wear
10. Name of fruit

Answer

1. Pods 2. Mysore 3. O.K. 4. Johnson 5. Oasis 6. Jasmine 7. Lifeboy 8. 555 9. Sandal 10. Pears

--Sandeep Singh

participant.

- Bring in as many diverse aspects as you can to the discussion.
- Always be polite : Try to use phrases like : I would like to share my views on ...' or Yes, I agree, but ....'
- If you have understood the topic in the correct light then do initiate the GD.
- You do not have to be the leader to succeed.
- Always address everyone in the group.
- Never feel hesitant to speak if others are speaking. Remember, you never interrupt any one in the GD you enter it.
- Never argue incessantly with any other member.
- Maintain eye contact with as many members of the group as possible.
- Maintain a positive talk listen ratio. Listen aggressively.
- Never change your stand on any issue during the group discussion.
- Keep your submissions brief and to the point.
- Use facts, figures, examples, statistics and data to support your stand.

- Always remember, it does not matter how you rate your performance; what counts is how the moderators perceive it.
- Finally, practice makes a man perfect. Mock GD sessions go a long way in improving your performance and confidence.

--Prakash Patwari

### LOGICAL SKILLS

Q.1 A murderer is condemned to death. He has to choose between three rooms. The first is full of raging fires, the second is full of assailants with loaded guns, and the third is full of lions that haven't eaten in 3 years, which room is safest for him?

Q.2 A woman shoots her husband. Then she holds him under water for 6 minutes. Finally she hangs him. But 6 minutes later they both go out together and enjoy a wonderful dinner together. How can this be?

Ans. : 1 The third, Lions that haven't eaten in three years are dead.

Ans. : 2 The woman was a photographer. She shoot a picture of her husband, developed it, and hung it up to dry.



# Muses' Arcadia

*springs of the mount Helicon*

## LAST WORDS OF A KASHMIRI

(Before being killed by a Terrorist)

Something is happening, something is going on  
It's appearing as if my life is dancing on a thorn  
Things are not in the way as they were before

Times have gone when I used to roar

The world is not with me,

Nor luck is favouring

Tears in my eyes,

I'm crying and crying

OH GOD ! Please help me,

Let your blessings shower on me

My whole world is disturbed

Day by Day my acts are getting absurd

You have to come and help me.

You have to make my life walk with me

I want to win, not to loose again,

I don't want my hard work to get in vain

Let me be rewarded for all that I did.

I want those times when I was a small kid,

No one wants me here,

No one likes me talking,

Blood in my eyes,

I'm dying and dying ....

--Shreya Chauhan

I B.E. (Computer Science)

## Dream On

In the darkness of the night we all do dream,  
A nightmare sometimes, which makes us scream.

Yet many of these dreams, they bring us joy,  
with their brightness, the darkness they destroy!

Each of us has a dream top follow,

Let's do it without being hollow!

No dream is an impossible dream,

Everything is possible if only we dream!

So, all of must being to dream an impossible dream,  
to continue to dream and make it possible because

'NOTHING IS IMPOSSIBLE'.

--Amit Sharma

I-BE, (IT)

## Enthusiasm

Inspiring Quotes :

Never expect things to happen

Struggle and make them happen

Never expect yourself to be given good

Create a value of your own.

--Sudhir Choudhary

EC

## ENTHUSIASM

Nothing literally nothing has been ever achieved  
without toil,

dedication and enthusiasm.

the best way to rise above crows

is to do even the ordinary things with extraordinary  
enthusiasm.

When enthusiasm strays, work harder.

Do it well or not at all.

Doing the ordinary with interest and involvement  
can become experience, producing extra ordinary  
results.

If you do an ordinary thing.

with extraordinary or introduce

into ordinary some unusual skill or original  
contribution

of your own, to achieve better and greater output,  
you will definitely overtake other.

Luck is nothing but seeing the opportunities  
with speed and daring, capitalising on them.

Don't idle away time thinking or talking  
about what you are going to do tomorrow.

LONG JOURNEY STARTS WITH A SINGLE STEP.

--Pankaj Lawania

I B.E. (CS)

## Life is a Game

At every stage of life

you play a different role

sometimes you are the pawn,

sometimes the rook,.

sometimes the knight

or Bishop, or king,

you have paves over one,



but another can overpower you,  
circumstances determine  
your position moves.  
You may lose, or you may win.  
But the winner does not  
inherit the chessboard.  
And the board must be cleared  
for the next game  
True -it's not whether you win or lose  
It's how you play the game.

--Amit Sharma

IB.E. (IT)

**ONLY A MINUTE**

It only takes a minute,  
To say a word to stop a falling tear,  
It only takes a minute,  
To lend a helping hand.  
It only takes a minute  
Some broken heart to mine.  
It only takes a minute,  
to brighten someone's day.  
Then use the very minute  
before it slips away.

--Abhishek Bhatia

IB.E., E&C.

**Thoughts : The Food to Mind**

If through some error yesterday was lost in grief, don't  
lose today by keeping it in your memory.  
Pin up all your hopes in God, and then you will not be  
pinned down by man.

The less you speak the more you are listened to.  
When you burn the fire of anger, smoke gets into your  
eyes.

One word spoken with love can soothe the sorrowful  
hearts of many,.

The more love you give, the more you receive ; the more  
you have, the easier it becomes to give.

To use punctuation marks on paper is easy but can you  
put a full stop to waste thoughts?

To give money in charity is good, but to be pure,  
charitable soul is far greater.

--Sanchit Grover

IB.E. (IT)

**THE SOLDIER**

If I should die, think only this of me  
That there's some corner of a foreign field  
That is for even England. These shall be  
In that rich earth a richer dust concealed  
A dust whom England bore, shaped made aware  
Gave once her flowers to love, her ways to roam  
A body of England's breathing English air  
Washed by rivers, bless by suns of home  
and think this all evil shed away  
A pulse in the external mind, no less  
Gives somewhere back the thought by England given  
Her sights and sounds, dream happy as her day  
And laughter or friends and gentlenees  
In hearts at peace, under an English heaven

--Vikas Gorika

**LIFE'S TRUE BEAUTY**

I think  
Your education is imperfect,  
If you do not realise my young friends,  
That life is not merely a question of  
Getting food, clothes and shelter.  
Man does not live by bread alone.  
This has been realised from  
The ancient times.  
I think that the finest things in life are  
Not these,, but music, colours, flowers,  
Beauty, aesthetic sense and the  
Satisfaction derived from them.  
It is these finer things in life that makes  
Life worth living,

C. V. Raman

**R U HAPPY ?**

If you want happiness for an hour, take a nap.  
If you want happiness for a day, go on a picnic.  
If you want happiness for a week, go on a vacation.  
If you want happiness for a month, get married.  
If you want happiness for a year, inherit wealth.  
If you want happiness for a lifetime, learn to love  
what you do for your living!

--Ajay Dhanopia



### **BLU-RAY TECHNOLOGY THE NEXT GENERATION OF MEDIA**

Blu-ray, also known as But ray Disc (BD), is the name of a next generation optical disc format jointly developed by the blu-ray disc association, a group of world's leading media manufacturers. the format was developed to enable recording, rewriting and playback of high definition video (HD), as well as storing large amounts of data.

While current optical disc technologies such as DVD, DVDIR, DVDIRW, and DVD-RAM rely on a red laser to read and write data, the new format uses a blue violet laser instead, hence the name blu-ray. Despite the different type of lasers used, blu-ray products can be easily be made backwards compatible with CD's & DVD's through the use of a BD/DVD/CD compatible optical pick-up unit. The benefit of using a blue-violet laser (405 nm) is that it has a shorter wavelength than a red laser (650 nm), which makes it possible to focus the laser spot with even greater precision. This allows data to be packed more tightly and stored in less space, so it is possible to fit more data on the disc even though it's the same size as a CD/DVD. This together with the change of numerical aperture to 0.85, enables but ray disc to hold 25 GB/50 GB. This extra capacity combined with the use of advanced video and audio codecs will offer an unprecedented HD experience.

DVD we use today suffer from a

drawback that is, trouble in reading due to dual layer structure which leads to breffringence. But ray disc will be built slightly differently, to prevent breffringence. The disc will be built upon a 1mm thick polycarbonate layer. There is only one layer and the data layer sits on top of that. There is no other layer to interfere with reading the disc. The downside is that the disc could be easily scratched, so they are provided with a hard coat which protect them and provide a better interface between disc and reading device. Finally, the price : blu ray player is currently priced a little too high, but the prices will come down as the demand for these devices will increase.

Blu ray technology has everything that is needed for the next generation of media and will become the next DVD.

*--Aneesh Dangayach*

*II B.E. (I.T.)*

### **What is Wi Fi ?**

A way to get Internet access, the term Wi Fi is a play upon the decades-old term HiFi that describes the type of output generated by quality musical hardware. Wi Fi stands for Wireless Fidelity and is used to define any of the wireless technology in the IEEE 802.11 specifaition including (but not necessarily limited to) the wireless protocols 802.11a, 802.11b, and 802.11g. The Wi-Fi Alliance is the body responsible for promoting the term and its association with various wireless technology standards.

What is a Wi Fi Hotspot?

A Wi Fi hotspot is defined as any location in which 802.11 (wireless) technology both exists and is available for use to consumers. In some cases the wireless access is free, and in other, wireless carriers charge for Wi Fi usage. Generally, the most common usage of Wi Fi technology is for laptop users to gain Internet access in locations such as airports, coffee shops, and so on, where Wi Fi technology can be used to help consumers in their pursuit of work-based or recreational Internet usage.

How Can I Use Wi Fi ?

You must be using a computer or PDA that has Wi Fi connectivity already working. Most portable computers can add Wi Fi using an adapter that plugs into a PC card slot or USB port.

Will I need to have an account with a Wi Fi service provider?

Generally, no. You should be able to sign up with the provider at the location. Many providers will display instructions when browser software opens on a WiFi-enabled computer. If you don't have an account, simply start your computer and make sure your Wi Fi card is plugged on. Then, open a browser.

Is Wi Fi the same as Bluetooth?

No. while both are wireless technology terms, Bluetooth technology lives under the IEEE protocol 802.15.1, while Wi Fi falls under the 802.11 specification. What this means for consumer is that appliances using Wi Fi technology and those using Bluetooth



technology are not interoperable. Bluetooth and Wi Fi are different in several ways, and are not necessarily in competition. Wi Fi technology boasts faster data transfer speeds and range, making it a good replacement for Ethernet (802.3) systems, while Bluetooth requires less power and is therefore more prominent in small appliances, such as PDAs.

*--Deepak Rudner*

*IV Sem IT*

### **What is EDGE ?**

Enhancement in data capability over the GSM network will be provided with the introduction of enhanced data rates for GSM revolution known as EDGE. This will achieve advanced service such as the downloading of video and music clips, full multimedia messaging, high-speed colour internet access and e-mail on the move.

EDGE is a smooth upgrade from GSM networks, providing data services three times as fast and at lower costs compared to today's GPRS technology. All mobile services benefit from EDGE that enables seamless coverage and capacity extensions for 3G like services such as streaming, high quality video/audio clip and true mobility to web browsing and corporate data access part of GSM family. EDGE is a true global technology. GSM/EDGE networks naturally operate in GSM bands. Edge is a pre-cursor and logical next step in the progression towards 3G networks.

#### **EDGE deployment worldwide :**

The next generation of data heading towards third generation and personal multimedia

environment, EDGE will allow GSM operators to use existing GSM radio bands to offer wireless multimedia based services and applications at theoretical maximum speeds of 384 kbps with bit-rate of 48 kbps per timeslot and upto 69.2 kbps per timeslot in good radio conditions.

Vendors say that implementing EDGE will be relatively easy and will require small changes to network hardware and software as it uses the same TDMA (Time Division Multiple Access) frame structure, logic channel and 200 khz carrier band width as today's GSM networks.

As EDGE progress to coexistence with 3G WCDMA, data rates of upto ATM like speeds of 2mbps could be available.

Edge provides speed enhancements by changing the type of modulation used and making a better use of the carrier currently used, for example the 200 khz carrier in GSM systems.

EDGE builds upon enhancements provided by general packet radio service (GPRS) and high-speed circuit switched data (HSCSD) technologies that are currently being tested and deployed.

#### **Future**

By providing an upgrade route for GSM/GPRS and TDMA networks, EDGE forms part of the evolution of IMT-2000 systems.

*--Ms. Rimjhim Jain*  
*Lecturer, CS-IT*

### **STEALTH TECHNOLOGY**

Stealth technology covers a range of techniques used with

aircraft, ships and missiles, in order to make them less visible (ideally invisible) to radar, infrared and other detection methods.

The concept of stealth is not new. Being able to operate without the knowledge of the enemy has always been a goal of military technology and techniques, however as the potency of detection and interception technologies (RADAR, IRST, Surface-to-air missile etc) has increased, so too has the extent to which the design and operation of military vehicles have been effected in response. A 'stealth' vehicle will generally have been designed from the outset to have reduced or controlled signature. It is possible to have varying degrees of stealth. The exact level and nature of stealth embodied in a particular design is determined by the prediction of likely threat capabilities and the balance of other considerations including the raw unit cost of the system.

A mission system employing stealth may well become detected at some point within a given mission, such as when the target is destroyed, however correct use of stealth systems should seek to minimise the possibility of detection. Attacking with surprise gives the attacker more time to perform its mission and exit before the defending force can counter-attack. If a surface-to-air missile battery defending a target observes a bomb falling and surmises that there must be a stealth aircraft in



the vicinity, for example, it is still unable to respond if it cannot get a lock on the aircraft in order to feed guidance information to its missiles.

### **HYPER SONIC SOUND**

Hypersonic Sound is a completely new technology that creates sound "in air." It is a new paradigm in sound production based on solid, well-known principles of physics. By Hypersonic Sound we can communicate clearly and efficiently over long distances to a single group of people! HSS lets us "beam" sound to a single point hundreds of feet away.

The sound is generated in the air itself, indirectly, as a conversion by-product of the interaction of ultrasonic waves. The common speaker types used today directly pump air molecules into motion to create the audible sound waves we hear. But HSS technology produces sound in the air indirectly as a by-product of another process.

Hypersonic Sound Technology projects a beam of silent ultrasound energy into the air. The air itself creates audible sound within the column of ultrasonic energy. The sound is actually created in mid-air. This is not an illusion. The acoustical sound wave is created directly in the air molecules by converting the ultrasonic energy to the frequency spectrum we can hear. An important by-product of HSS is that sound may be directed to just about any desired point in the listening environment. This provides outstanding flexibility,

while allowing an unprecedented manipulation of the sound's source point.

*--Sarfaraz Nawaz*

*Lecturer EE Dept.*

### **STEALTH TACTICS**

Stealthy strike aircraft such as the F-17, designed by Lockheed Martin's famous SkunkWorks, are usually used against heavily defended enemy sites such as Command and Control centers or surface-to-air missile (SAM) batteries. Enemy radar will cover the airspace around these sites with overlapping coverage, making undetected entry by conventional aircraft nearly impossible. Stealthy aircraft can also be detected, but only at short ranges around the radars, so that for a stealthy aircraft there are substantial gaps in the radar coverage. Thus a stealthy aircraft flying an appropriate route can remain undetected by radar. Many ground-based radars exploit Doppler filter to improve sensitivity to objects having a radial velocity component with respect to the radar. Mission planners use their knowledge of the enemy radar locations and the RCS pattern of the aircraft to design a flight path that minimizes radial speed while presenting the lowest-RCS aspects of the aircraft to the threat radar. In order to be able to fly these "safe" routes, it is necessary to understand the enemy's radar coverage (see Electronic Intelligence). Mobile radars such as AWACS can complicate matters.

### **STEALTH RADAR**

The ability of designing a radar in such a manner as to enhance backscatter radiation detection, from a large radar cross-section, which was created by radar frontal cross section reducing airframe shape design. Additionally the ability to make the radar hard to detect, which inhibits the ability to be attacked with high speed anti-radiation missiles (HARMed).

1. The ability of designing a radar in such a manner as to enhance backscatter radiation detection: The first key to the approach is found in a high school solid geometry course. There is the GPS technology, essentially finding a distance from each of four moving (but known position at any one instant) satellites, called pseudoranges. By the intersection of four hollow basketball shapes of pseudoranges from four widely separated satellites, a unique point can be determined. Four spheres intersect in an obvious point, if their centers are highly separated; and the mathematics was once taught in the public school system.

Passive radar will be like that, but substituting ellipsoids for spheres.

2. The ability to make the radar hard to detect: There is the F-17 technology old schematic diagram showing a beam of electromagnetic radiation coming from the old time radar as densely packed parallel pointed arrows. When the beam strikes the stealth shaped airframe



from the front, it scatters with each single arrow of the former beam pointing off in a different dissipated direction from the stealth shaped airframe. Therein is found the second key to the approach, from a high school physics course, where it is discovered that electromagnetic wave propagation can occur bilaterally. Different emitters from "out there" would reflect off from the stealth airframe in a concentrated direction toward the receiver. Put the radar transmitters away from the receiver, and use many. The radar location is now that of the passive receiver.

The reflection locus of points from an emitter to a receiver by an indirect path can be easily determined from complex signal ghosting. Visible in the early days of black and white television, a clear picture would exhibit a "ghost" if an airplane flew in the area. The ghost came about from two paths from the emitter to the receiver, one being longer by a constant in time. The ghost picture was displaced "to the right", later in time than the direct path, and diminished in intensity by the "radar cross section" of the reflecting point. From high school solid geometry, we know that the focus points of the emitter and receiver are surrounded by the locus of points of possible reflector position, having a constant time difference, an ellipsoid, a hollow foot ball shape. The amount of time difference sets the volume of the ellipsoid.

The reflector position can be uniquely determined from three hollow ellipses of revolution, one of whose foci is the common point of receiver location. The other focus, for each ellipse of revolution (hollow football surface), would be the location of the electromagnetic emitter for that ellipsoid. By the intersection of three hollow football shapes of ellipsoids from three separated transmitters, the unique point of reflector position can be determined (the second point solution would be below ground level). Three ellipsoids intersect in a point above ground, and the mathematics was once taught in the public school system.

Old radar used to use single frequency high power emitters. This makes detection of the radar transmitter location trivial by radio direction homing. This makes targeting by a high speed antiradiation missile possible. By using a low power wideband signal emission, the reception can occur even below the noise floor (such as six orders of magnitude below the noise floor). The stealth radar can use common existing emitters that have appropriate recognizable patterns of modulation, such as the horizontal sync pulse from a television transmitter, or signal properties from cell telephone towers. The passive receiver radar does not indicate what emissions in the area are being used for the radar location of the reflection point in the sky.

The emitters may, of course, be located above ground, but that would require a four ellipsoid solution to determine unique position.

### **RADAR ABSORBING PAINT**

Radar absorbing paint or radar absorbent material (RAM), is used especially on the edges of metal surfaces. The RAM coating, known also as iron ball paint, contains tiny spheres coated with carbonyl iron ferrite. Radar waves induce alternating magnetic field in this material, which leads to conversion of their energy into heat. Early versions of F-1 17A planes were covered with neoprene-like tiles with ferrite grains embedded in the polymer matrix, current models have RAM paint applied directly. The paint must be applied by robots because of issues relating to solvent toxicity and tight tolerances on layer thickness.

In a similar vein, coating the cockpit canopy with a thin film transparent conductor (vapordeposited gold or indium tin oxide) helps to reduce the aircraft's radar profile because radar waves would normally enter the cockpit, bounce off something random (the inside of the cockpit has a complex shape), and possibly return to the radar - but the conductive coating creates a controlled shape that deflects the incoming radar waves away from the radar. The coating is thin enough that it has no adverse effect on the pilot's vision.

--Sandeep Tourani  
IV Sem. (CS)



# Relations

## *experience a renaissance*

### FRIENDS

Is there anything more beautiful in this world than possessing sweet, loyal and helpful friends, whose devotion is not affected in the least by a fortune or the lack of it's friends who love us even more in adversity than in prosperity?

If the breaking out of the civil war, when the qualifications of the different candidates for the presidency were being discussed and Lincoln was mentioned, some one said, "Lincoln has nothing, only plenty of friend!. It is true that Lincoln was poor, so much so that when he was elected to the Legislature of his state, we borrowed money to buy a unit of clothes, in order that he might make a respectable appearance and that he walked a hundred miles to take his seat. It is a matter of history that he also borrowed money to move his family to Washington after he was elected President, but how rich was this marvellous man in his friendship!

**Move on in life!!! Forget the past Nothing is certain & definite. But we realise this once we learn to look at things the way they are and not the way we want them to be. Learn to live out of this illusion that anything lives with you forever.**

**The day you realise this all sorrows and grief of life will come to an end.**

Friendships are silent partners every one of them interested in everything that interests the other, everyone trying to help the other to succeed in life, to make a good impression to stand for the best thing in him and not the worst.

Just think of what it means to have enthusiastic friends always looking out for our interests, working for us at every opportunity, supporting us, speaking for us in our absence, shielding our weak points, correcting false impressions, trying to set us right, overcoming the prejudices created by some mistake; always doing something to give us a lift or to help us along. Can any money measure the value of such devotion!.

The character and standing of your friends will have a very marked influence upon your life. Make it a rule to choose upwards just as far as possible. Try to associate with those who have had greater advantages for culture self improvement, who are better informed and updated with the latest so that you may absorb as much as possible what will help you. This will tend to raise your own ideals, to inspire you to higher things to make a greater effort to be somebody yourself. Robert Louis Stevenson rightly said, "No man is useless while he has a friend."

Yours friend

**--Balbir Singh Khagarot**  
VII Sem. Mech. Engg.

### Short Story on Friendship

In a battle camp, a soldier prepares to go bring his wounded friend back from the field. His captain says, "No use, your friend will be dead mostly."

But, the soldier still goes and brings back his friend. Seeing the dead body, the captain says, "I told you its not worth it, he is dead."

The soldier replied : No Sir, it was really worth it, because when I got him, my friend saw me smiled and said

"MAN I KNEW U'LL COME"

Thats Friendship

**--Shaili Khan**  
I B.E. (E&C)

### OCEAN OF LIFE

Ships that pass in the night, and speak each other in passing only a signal shown and a distant voice in the darkness; So on the ocean of life we pass and speak one another only a look and a voice; then darkness again and a silence.

**--Shweta Rath**  
HOD, English

Good Friend is like a PL Program

They enter your life

Scan your problem

Edit your tension

Download Solution

Delet your worries

Save you in Heart



## ये लोग

गम के रास्तों से खुशी माँगते ये लोग,  
इधर उधर बेतहाशा भागते ये लोग।  
मायने तहजीब के इनको नहीं पता,  
दूसरों की जिंदगी में झाँकते ये लोग।।  
ऐश और तेज के ख्वाबों से चौक कर  
आधी नींद सोते आधी जागते ये लोग।  
वक्त के बुजुर्ग जवाबों के सामने  
उम्र के जवाँ सवाल दागते ये लोग।।

—राधेश्याम कुमार गुप्ता  
प्रथम बी.ई.

## भारत कोहिनूर

दिन नहीं हुआ उनसे दूर,  
उत्साहित है हम भरपूर,  
अब तक थी, सोने की चिड़िया,  
अब बनेगा भारत कोहिनूर।

महके विश्व धरा की माटी,  
हम ऐसे फूल खिलायेंगे  
चलेंगे साथ मिलकर हम,  
हर चमन गुलजार बनायेंगे।

देश को हिन्दू की जरूरत है,  
न ही मुसलमान की,  
बस जरूरत है तो,  
एक नेक इन्सान की।

विश्व में कोई भी आये  
मानवता के आँगन में नहीं  
घोलने देना विष को  
प्रेम भरे मानस में।

मानव धर्म करे  
मानवता की पूजा,  
मानवता से बढ़कर  
दुनिया में धर्म नहीं कोई दूजा

अब तक थी, सोने की चिड़िया  
अब बनेगा भारत कोहिनूर।

—अंशुल मंगल  
प्रथम बी.ई.

## मुझे कुछ कहने दो

पाना बहुत चाहती हूँ मगर बस आज खुद को कहीं खोने दो  
कहने को बातें बहुत हैं मगर, बस आज मुझे चुप होने दो  
झिझोड़ दिया है जिन्दगी ने आज इतना,  
ये तूफान अभी शान्त होने दो ....  
अकेले ही जीवन की राहों में काँटे  
अपने ही हाथों से बोने दो...  
फिर से बचपन जीना है मुझको,  
कोई मेरे टूटे खिलौने तो दो ....  
टूटे हुये ख्वाबों को समेटू कैसे  
मुझे नये कुछ स्वपन सजोने दो...  
प्यार तो खुद से बहुत किया है हमने  
आज खुद से नफरत भी होने दो....  
सपने देखने हैं फिर से मुझे  
बस कुछ देर के लिये सोने दो ....  
जीना मैं भी चाहती हूँ शायद  
बस आज मुझे जी भरके रोने दो ...

—नेहा कपूर  
व्याख्याता,, सूचना प्रौद्योगिकी

## साथ निभाएंगे हम

जिन्दगी जब बेमानी सी नजर आने लगेगी,  
हर खुशी में एक कमी सी आने लगेगी।  
तन्हाइयां जब तुम्हें भाने लगेगी,  
याद तब तुम्हें हमारी आने लगेगी।  
सोचोगे फिर तुम हर पल हमारे ही बारे में,  
खामोशियां भी कुछ कहकर जाने लगेगी।  
सुनना चाहोगे पर कोई आवाज ना होगी,  
चाहोगे किसी का पर वो साथ ना होगा।  
तब उस पल पुकार लेना,  
कहीं से भी चले आएंगे हम।  
रोशनी भले ही किसी और के साथ गुजरी हो,  
अंधेरों में भी साथ निभाने चले आएंगे हम।

लीलाधर  
प्रथम एम.बी.ए.



## मंजिल

मंजिल की ओर जाकर  
बीच में ही लौट आना।  
काम है क्या पुरुष का  
क्यों इसे आजमाना।।

बढ़ते रहे कदम तो,  
मंजिल की राह मिल गई।  
देख तुझे यार मेरे,  
पथ की बाँह खिल गई।।  
शक कर राह में,  
ना तू विश्राम ले।  
मिले कोई बेसहारा,  
उसका हाथ थाम ले।।

काँटो से प्यार और,  
फूलों का दीदार कर।  
मिलें राह में मुश्किलें तो,  
स्वागत सत्कार कर।।

रात का सन्नाटा चीर,  
भोर का अहसास पाना।  
शशि का है दामन थाम  
भानु से कुछ खास पाना।।

बीच राह रुकना तो जीवन नहीं,  
है मरण पाना।  
शरणार्थी बन कहीं ना रुकना,  
मंजिल की ही शरण जाना।

ज्ञान का जामा पहन,  
तुझको तो है ताज पाना।  
मंजिल की ओर देख  
मंजिल को ही जीत लाना।

—दीपक सोनी

प्रथम बी.ई. कम्प्यूटर साईंस

## जिंदगी का फलसफा

सहाईयों से बने हर्फ-हर्फ होते हैं  
ये लोग रात में कागज कहा भिगोते हैं।  
किसी की राह में दहलीज पर दिये न रखो  
किवाड़ सूखी हुई लकड़ियों के होते हैं।  
उन्हीं में खेलने आती है पाक रूहे  
वो घर जो सदा खुशियों से लवरेज होते हैं।

चिराग पानी की मौजों से पूछते होंगे  
वो लोग कौन है, जो कश्तियाँ डुबोते होंगे।  
पुराने कस्बों में कैसे सुकून होता है  
थके थकाए हमारे बुजुर्ग जहाँ सोते होंगे।  
महकती है सदियों में आसुओं की जमी  
गजल के शेर कहा रोज-रोज बया होते हैं  
सदा देती है खुशबू चाँद तारे बोल पड़ते हैं।  
नजर जैसी नजर हो नजारे बोल पड़ते हैं।  
महक जाते हैं, गुल जैसे सब के चूम लेने से  
अगर लहरे मुखातिब हो किनारे बोल पड़ते हैं।

—शेख इमरान अंसारी

द्वितीय बी.ई., इलेक्ट्रीकल इंजीनियरिंग

## दोस्ती

डूबते का सहारा है दोस्ती  
जिंदगी की ओर इशारा है दोस्ती  
भटके को राह दिखाती है दोस्ती  
हर गमगीन की चाह है दोस्ती  
दिल को दिल से मिलाती है दोस्ती  
दुश्मनों को दोस्त बनाती है दोस्ती  
इंसान को इंसानियत सिखाती है दोस्ती

—शेख इमरान अंसारी

द्वितीय बी.ई., इलेक्ट्रीकल इंजीनियरिंग

## जीवन जीने की कला

बाधाओं में कितना दम  
कस ले मुट्ठी बढ़ा कदम।

ये बाधाएँ कितनी हैं,  
चुटकी मसले जितनी हैं।  
हिम्मत का कुछ पार नहीं,  
नभ को छू ले इतनी है।।

नहीं किसी से हम है कम,  
कस ले मुट्ठी बढ़ा कदम।

एक हमारी टोली है  
एक हमारी बोली है।  
जब भी बोली है हमने  
साहस की जय बोली है।

मंजिल हमको पानी है,  
कस ले मुट्ठी बढ़ा कदम।

—विश्वू देव भारद्वाज

चतुर्थ बी.ई. मैकेनिकल



# चिंतन मनन

मंथन विविध विचारों का

**कौन है जो .....**

दर्द अपना है पर अपनाये कौन ?  
कौन सुनता है और सुनाये कौन ?  
कौन दोहराये वो पुरानी बातें,  
गम अभी सोया है, फिर जगाये कौन?  
वो जो अपने है, क्यों वो अपने है?  
कौन दुःख झेले, आजमाये कौन?  
अब सुकून है तो सिर्फ भुलाने में है  
लेकिन उस शक्स को भुलाये कौन?  
आज फिर दिल है कुछ उदास-उदास  
देखिये आज फिर दिल को याद आये कौन?

**-नैहा कपूर**

व्याख्याता, सूचना प्रौद्योगिकी

**जिन्दगी**

जिन्दगी कई रास्ते दिखलाती है  
कभी सीधे तो कभी हमें उलझाती है  
सोच समझकर जाँच परखकर  
सही राह पर चलने से  
सफलता कदम चूमने आती है।।  
पथ में शूल बिछे तो क्या? चल।  
रग में खून नहीं तो क्या? चल।  
मुश्किलों से लड़ना हमें सिखाती है  
पल-पल, हर पल साथ हमारे जाती है।।  
कभी हार, कभी निराशा, कभी अन्धेरा लाती है।  
जिन्दगी आशा की किरण भी बनकर आती है।।

**-सुधीर चौधरी**

प्रथम बी.ई.

**प्रश्न और उत्तर**

पतझारों से भ्रमिक कल्पना  
को मधुमास बताए कौन?  
स्वप्न सीपियों से चुन-चुनकर  
मोहक मोती लाए कौन?  
नीरज के नीलम नयनों पर  
सागर सेतु बंधाए कौन?  
चुने हुए संदर्भों में  
जीवन का भाग्य बताए कौन?

अनस्तित्व की विषकारा से  
शापित शंख छुड़ाए कौन?  
हिमखंडों के व्यूह बेधकर  
सुरसंस्थार बहाए कौन?  
वह, जो लोहित संकल्पों से  
दिग दिगंत का ढावे मौन।।

**-श्वेता राठी**

व्याख्याता, अंग्रेजी

**देश का हाल**

मैंने लोगों से पूछा एक सवाल  
"क्या कोई मिलेगा देश का दलाल?"  
लोगों ने जवाब दिया - क्यों नहीं  
देश में सच्चा नागरिक कोई नहीं,  
अगर तुम्हें विश्वास नहीं तो सुनो देश का  
हाल

सब जी रहे हैं केवल खुद के लिए,  
राजनेता लड़ रहे हैं कुर्सी के लिए।  
विद्यार्थी शिक्षक का आदर नहीं करता,  
बेटा बाप की चिंता नहीं रखता।  
हिन्दू-मुस्लिम को खुद के मजहब से फुर्सत  
नहीं।  
रिश्वत के बिना कोई काम नहीं करता।  
पैसे के लिए कत्ल करने से भी कोई नहीं  
डरता।

कितना बदल गया है इंसान,  
पैसों के खातिर बेच दिया ईमान।  
जो पैसे के लिए अपने आपको बेच सकता है,  
उसके लिए देश क्या महत्त्व रखता है?  
गाँधी के आदर्श दबा दिये गये हैं जमीन में  
कहीं,  
सोचते होंगे गाँधी मेरे सपनों का भारत ये तो  
नहीं ...  
ये तो नहीं ।।

**-मनीष विजयवर्गीय**

प्रथम बी.ई.

**आधुनिक हो गया हूँ**

अहम् को अस्मिता हम मान बैठे,  
व्यथा अपराजिता है जान बैठे  
यह दुनिया चल पड़ी है किस डगर पर,

कि पैसे को ही पिता जान बैठे।।  
तब बाबा ने कहा था कि अर्थ अनर्थ है,  
फिर पिता ने समझाया कि अर्थ समर्थ है।  
किंतु आज अर्थ केवल अर्थ है, क्योंकि इसके  
बिना सब व्यर्थ है।

पथिक! हँसते हो विश्वास नहीं करते,  
गौर करो मेरा विकास हो रहा है।  
अब मैं पुराना फुटपाथी नहीं रहा,  
अब मैं सुकराती हो गया हूँ।  
अब मैं दकियानूसी विचारों वाला नहीं रहा,  
अब मैं आधुनिक हो गया हूँ।  
इसलिए अब जिस थाली में खाता हूँ, उसमें  
छेद नहीं करता  
उसका पूरा पैदा ही निकाल लेता हूँ, क्योंकि  
अब मैं आधुनिक हो गया हूँ।।

**-तरुण पुनिया**

प्रथम बी.ई.

**बढ़े चलो . . .**

माना जीवन एक अजब पहेली है,  
उस पर कठिनाई तेरी सहेली है,  
क्योंकि इन्सान तेरा नाम है  
बाधाएँ दूर करना तेरा काम है।  
तो क्या हुआ जो,  
राह में तू थक गया,  
और थक कर बैठ गया।  
क्योंकि हैवान तेरा नाम नहीं  
और रुकना तेरा काम नहीं,  
टोंकरे जो खाकर उठे  
उसे इन्सान कहते हैं।  
तो उठो और बढ़े चलो मंजिल की ओर  
और देखो सफलता तुम्हारे आस-पास है।

**-नीरज गोयल**

प्रथम बी.ई.

सामने हो मंजिल तो रास्ते ना मोड़ना,  
जो मन में हो, वो ख्वाब ना तोड़ना,  
हर मंजिल पर मिलेगी कामयाबी तुम्हें,  
बस सितारों को छूने के लिए कभी जमीं  
न छोड़ना



### साहस दिखाना सबसे बड़ी साहसिकता

“हमारा हर पल इस कोशिश में निकले कि हम बिगड़े हालात को बदलने का होसला रख सकें।

“प्रयत्न, आकांक्षा और खोज में लगे रहो। हिम्मत कभी न हारी। ध्रुवों की विजय की जा चुकी है, रेगिस्तानों की पैमाइश हो चुकी है। ऊँचे-ऊँचे शिखरों तक भी मनुष्य पहुँच ही गया है। क्योंकि उसके दुबले-पतले शरीर में मस्तिष्क एक ऐसी चीज है, जो किसी बंधन को नहीं मानती। उसमें एक ऐसी भावना है, जो पराजय को कभी स्वीकार नहीं करती।

कहा जा सकता है कि बहुत से लक्ष्य हासिल होने के बाद भी जब यह लगने लगे कि नया करने को शायद ही कुछ बचा है, तब भी साहसी लोगों के लिए साहस के काम हमेशा मौजूद रहेंगे। यह दुनिया इतनी विविधता भरी है कि इसमें साहस और दुस्साहस के कामों का अंबार है और वे मानव मस्तिष्क और मन को हमेशा चुनौती देते हैं। यह विशाल संसार भी उन्हीं का साथ देता है, जिनमें भावुकता के साथ-साथ साहसिकता का गुण भी होता है। आसमान में टिमटिमाते हुए तारे भी समुद्रों के पार उन्हीं का आवाहन करते हैं, जो नई चुनौतियों के लिए सदैव तैयार रहते हैं।

अक्सर पूछा जाता है कि क्या जीवन में साहसिकता दिखाने के लिए जरूरी है कि ध्रुवों पर या रेगिस्तान में ही जाया जाए? शायद नहीं, साहस जीवन के उन सभी पलों से जुड़ा होना चाहिए जिन्हें हम जीते हैं। हमारा हर पल इस कोशिश में निकले कि हम बिगड़े हालात को बदलने का होसला रख सकें, जिससे मनुष्य अपनी महान विरासत के योग्य बन सके। जीवन

में साहस से ही स्फूर्ति मिलती है और यही सबसे बड़ी साहसिकता है।

—नन्दकिशोर गुर्जर

प्रथम बी.ई.

### सफलता

एक नवयुवक सफलता के रहस्य की खोज में था। उसने दूर पहाड़ी पर रहने वाले एक बुजुर्ग की बुद्धिमानी और अनुभवों के चर्चे सुन रखे थे। अपनी जिज्ञासा को शान्त करने के लिए वह उनके पास पहुँचा। क्या आप मुझे अपनी सफलता का सूत्र बता सकते हैं? नवयुवक ने उनसे पूछा। एक पल के लिए वहाँ चुप्पी छा गयी। बुजुर्ग बिना कुछ कहे उठे और उसे अपने साथ नदी के पास ले गये। दोनों नदी के अन्दर चलने लगे और तब तक चलते रहे जब तक कि लड़के का सिर पानी के अन्दर नहीं डुबने लगा। उसने पानी के ऊपर आने की कोशिश की लेकिन बुजुर्ग ने उसकी मदद नहीं की, बल्कि कुछ समय तक उसके सिर को पानी में थामे रखा। कुछ देर बाद उन्होंने उसे छोड़ दिया और दोनों पानी से बाहर निकल आए। फिर उसे साथ लेकर वे अपने घर की दिशा में बढ़ गये। वहाँ पहुँचकर उन्होंने नवयुवक से सवाल किया। जब तुम्हारा सिर पानी में था उस वक्त तुम्हारी सबसे बड़ी खाहिश क्या थी? नवयुवक ने तुनक कर जवाब दिया “यह भी भला कोई प्रश्न हुआ उस वक्त मैं सांस लेना चाहता था।” उस वक्त तुम्हारी जितनी इच्छा सांस लेने की थी, उतनी ही तीव्र चाह सफलता पाने के लिए होनी चाहिए, तभी तुम सफलता हासिल कर पाओगे, बुजुर्ग का उत्तर था।

सबक — मजबूत इच्छाशक्ति सफलता में सहायक है।

—आकांक्षा

प्रथम, एम.बी.ए.

वापस न आई वो चिड़िया  
हर सुबह नीले पर फड़फड़ाती  
एक चिड़िया  
मेरे आँगन की डोली पर बैठ जाती थी  
धीरे धीरे दाना चुग  
नीले पर फड़फड़ाती  
फिर आकाश में कहीं खो जाती थी  
आज सुबह भी वो आई थी।  
पर आज मेरे मन में एक दानव जागा  
और मैंने उसे कैद कर लिया  
उस दिन  
उसने दाना नहीं चुगा  
उसकी आँखों में मुझे स्वतंत्रता के लिए आग्रह  
करते आँसु नजर आए  
मैं पछताई  
और उस नन्हीं चिड़िया को  
खुले अम्बर में उड़ने के लिए  
आजाद कर दिया  
पर फिर  
कभी  
वापस न आई वो चिड़िया।

—प्रीति अग्रवाल

प्रथम, एम.बी.ए.

### ऐ मेरे दोस्त

जब भी चलेगी ये ठंडी हवाएँ,  
जब भी बादल पानी बरसाए।  
या मेरी आँखें आँसू छलकाये,  
या ये दिल किसी दोस्त को बुलाये।  
तो शायद पहला नाम तेरा आए,  
आखिर खुदा के प्यारे से तोहफे को  
हम कैसे भूल जाए।  
जितनी मुस्कुराहटें दी है तूने,  
उनका मोल पता नहीं कैसे चुकाएं  
बस एक तमन्ना है दिल में,  
तुम्हारी जिंदगी में जब भी  
कोई गम आये।  
तुम से पहले हम उसे मिल जाए।

—अदिति तिवारी

द्वितीय बी.ई., आइ.टी.