

# The Student

*e- magazine of edutainment*



**Techfest**  
6-8 January 2012



**DON'T  
QUIT**

EVERY DIFFICULTY IS  
OPPORTUNITY IN DISGUISE





## Editor's Note

We think you might be very angry at us. You could possibly be exhausted by the stochastic statements made by us, which, turned out to be false. Once again, we delayed this edition for four months and we have to take the complete blame for that. We must agree that we are very insincere towards this. There is no other alternative for us. Unfortunately, like the previous semesters, the first semester of E2 started slowly, lacked momentum in the middle and got accelerated at the end. It is accelerated with such a velocity that we almost got jerked. With additional and breadth courses running even in the evenings, we couldn't spend time on this. Don't think on the other side, we are not saying that we don't have any time, we are saying that we couldn't mould it properly.

Now, we framed the new Executive Panel with the interested and enthusiastic students from E2, E1 and PUC-2 batches. Hence, exams have no role to play. We expected more than 50 but, only 25 turned up. Things were not going to be easy but we are working on them. The new members were very exuberant and eager to prove what they are. We circumvented how to dispense the work among ourselves. In short, we can say that "The Student" took its rebirth.

Coming to this edition, we included the activities going on in our campus for the past 4 months. We got encountered with some new clubs viz. Student Seminar Series (SSS), Child Labour Education Programme and a project on Waste Material Management. We also included articles on the recent IITB's Tech-Fest, the reasons behind the internet blackout in our campus, an article regarding the analysis on different courses, new science updates, silly points, and few campus and miscellaneous articles from students. Don't forget to explore the Arts and Leisure pages. We have taken all the possible measures to make this edition more informative and interesting. We hope that this zeal continues for the coming editions and you would benefit a lot.

-Editors

### Chief Editors

Raja Harish Kumar. M  
Raghava Reddy. G

### Special Thanks To:

**Dr. Rajendra Sahu**  
Hon. Director, IIT Basar

### Formatting & Layout

Ravi Kumar. A

Mr. Pradeep Santhosh

Mr. Srinivasa Rajaram

Mr. Manas Maity

Mr. Prashanth Barsingh

Mr. Rakesh Roshan

### Instructions Before Starting

We made this magazine using Windows XP. As a result, all the fonts we used may not be compatible with Ubuntu. Hence we are providing you the fonts which we used in this magazine. You need to install them in Ubuntu by creating a folder named "**fonts**" in home folder and paste the fonts which we provided. So that you can view the magazine effectively. Also make sure that you open it with *Adobe Reader*, not Document Viewer.











Send in your articles, reports, essays, photographs, poetry, cartoons, short stories, humorous content, paintings or anything else that you would like to be portrayed in this magazine to [thestudentmagazine@gmail.com](mailto:thestudentmagazine@gmail.com) or send them through any of the team member. Mail to the same address if you want to join us.

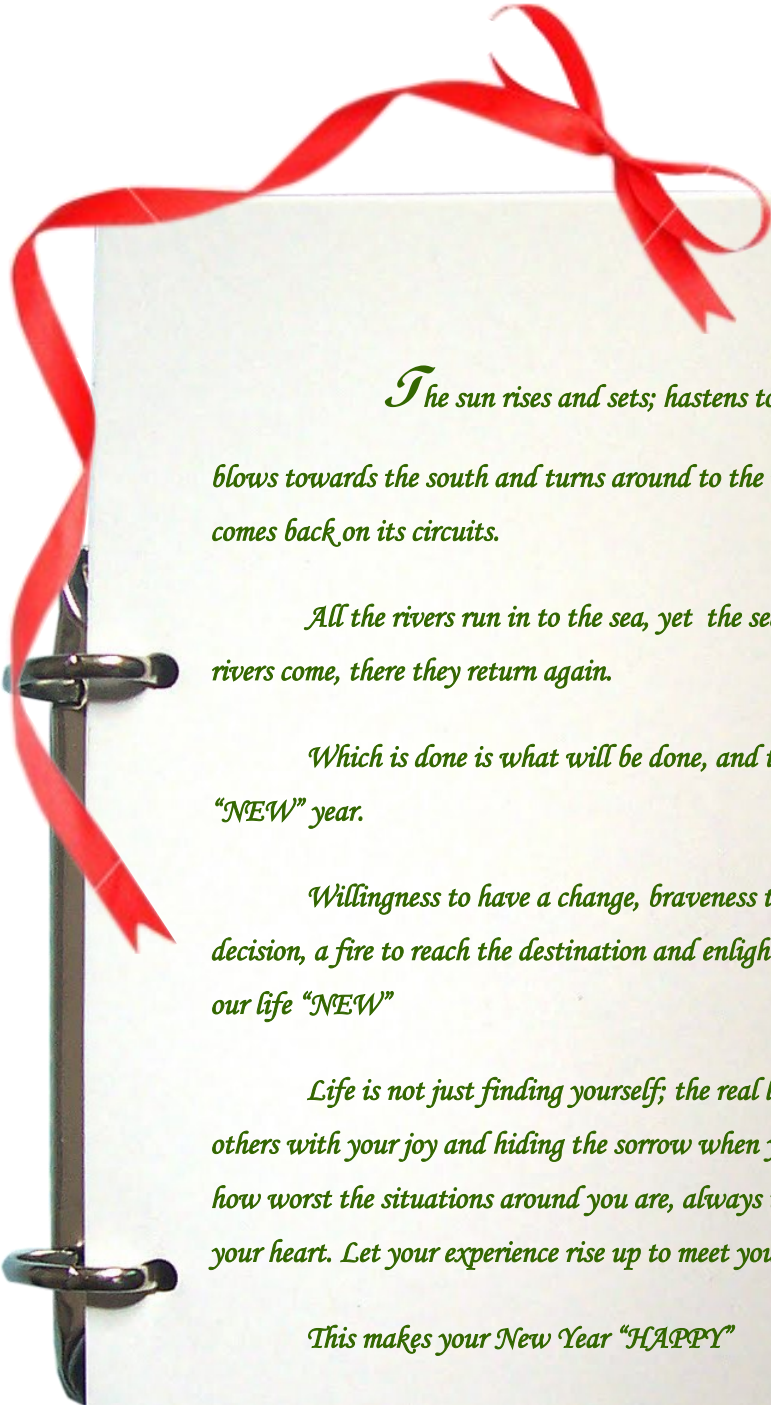
We would like to know more about what our readers think and expect from us. Please feel free to chip in with your queries, complaints, compliments, suggestions or any other feedback. We could do nothing without your support. Write to us at [feedback.thestudent@gmail.com](mailto:feedback.thestudent@gmail.com). Healthy criticism is highly appreciated.

### Executive Panel

Raghava Reddy. G,	E2, 101	Shiva Ram Reddy. K,	E1, 212
Raja Harish Kumar. M,	E2, 102	Vijay Kumar. T,	E1, 213
Ravi Kumar. A,	E2, 001	Sudheer. M,	E1, 003
Venkata Krishna,	E2, 014	Dinesh. A,	E1, 109
Praveen Kumar,	E2, 101	Bhavani Shekhar. K,	E1, 103
Sai Krishna. M,	E2, 102	Priyanka. T,	E1, 006
Anurag Srivathsav. M,	E2, 306	Vinaya Vardhini. TLP,	E1, 010
Sandeep. R,	E2, 213	Sahithinanda. B,	E1, 007
Shiva Kumar,	E2, 113	Ramya Deepika.	E1, 207
Jawed Akthar,	E2, 113	Chandrakanth. U,	E1, 314
Amulya Deepthi. K,	E2, 113	Karthik Reddy. T,	E1, 301
Moulik Reddy. P,	E1, 207	Sk. Minhaz,	E1, 312
Surya Teja Reddy. N,	E1, 103	Sindhu Rathod,	P2, $\Phi$ -7
Vamshi Krish. G,	E1, 110	Preethi Rathod	P2, $\Phi$ -7
Phaneendra. P,	E1, 314		

# Index

▶	<i>On Campus</i>	1	5	
▶	<i>Editorial</i>	6		
▶	<i>Insight</i>	7	11	
▶	<i>Leisure Page</i>	12		
▶	<i>My Experience</i>	13		
▶	<i>Language &amp; Literature</i>	14	15	
▶	<i>Values</i>	16		
▶	<i>Silly Point</i>	17		
▶	<i>Science Updates</i>	18	19	
▶	<i>Miscellaneous</i>	20	23	 
▶	<i>How It Works?</i>	24		
▶	<i>Career &amp; Guidance</i>	25		
▶	<i>'The Student' Art</i>	26	28	
▶	<i>Environmental</i>	29		
▶	<i>Feedback Column</i>	30		



*The sun rises and sets; hastens to the place where it arose. The wind blows towards the south and turns around to the north; whirls about continually and comes back on its circuits.*

*All the rivers run in to the sea, yet the sea is not full; to the place from where the rivers come, there they return again.*

*Which is done is what will be done, and there is nothing new; still we call it a "NEW" year.*

*Willingness to have a change, braveness to face that change, discreetness to make a decision, a fire to reach the destination and enlighten oneself with encouragement makes our life "NEW"*

*Life is not just finding yourself; the real life lies in helping the needy, filling joy in others with your joy and hiding the sorrow when you go through tribulation. No matter how worst the situations around you are, always try to have joy from the deep down of your heart. Let your experience rise up to meet your expectation.*

*This makes your New Year "HAPPY"*

*MAY YOUR CONFIDENCE SMILE UPON ALL YOUR DREAMS.*

*"The Student" wishes u a happy and blessed New Year.....*

## Campus Cleaning Activity has been Organized

### Raja Harish Kumar. M

With the growing dissatisfaction regarding the enormous growth of garbage around the campus, students from the E1 and E2 organized the Campus Cleaning Activity on 11th November, 2011. The main objective of this mission is to clean the alarmingly growing plastic all around the campus, collect all the degradable material and use them for other recycling purposes, to make the students aware of the demerits with the usage plastics. This complete activity was organized by the faculty members and the students from the NSS programme. They divided the students of two batches into different sections, based on their classrooms. The whole campus got divided into different regions. Each region has assigned some particular classes on the eve of the activity.

On the day of the activity, all the students were assembled in front of the Old Academic Block. They were supplied with gloves, sacs, dustbins and the other necessary accessories. Immediately after that, they started the cleaning activity. They explored each and every corner of the campus, not caring whether it belong to academic or accommodation section, playground or the construction area. There is no discrimination on male or female, senior or junior. Every body participated enthusiastically and shared the work load.



Seeing that the students working, even the house-keeping section joined their hands with the students. As a part of this, the CRs of every class closed their class-rooms for active participation.

After the overall cleaning, even the students surprised to see the mess they make. As expected, huge proportion of the garbage consisted mostly of the plastics and the used books of the students. Plastic pens (use and throw) occupied the major proportion, second goes to the plastic from the construction department and the third goes to the contents from the canteen. All the unused books were collected from all the classes and the hostel rooms. Looking at this, even the students got astonished because we don't know that each and everybody among us



compete with others to contribute as much mess as we can. Even the tractor driver got tired for carrying this for numerous trips to clean the collected waste.

(Images: Venkata Krishna, 014, ME, E2)

## SSS has Conducted 5 Seminars Successfully

### Ravi Kumar. A

Student Seminar Series (SSS) is a seminar series started by the students of IIIT Basar to give an opportunity for the students to present themselves on their interested topic related to recent research advancements in multi-science, engineering and technological aspects and to make the students aware of various topics. SSS will conduct seminars, which are given by the students once in a week. In addition to the students' seminars, it also conducts faculty/guest seminars once in two/three weeks. Sometimes, guest lectures will be given by eminent scientists, professors, etc. from outside the institute as well.



Initially governing body of SSS consisted of one faculty as convener and six students as members. Now, it has expanded its governing body to 14 members to include students from all branches. Mr. Chakravarthi Jada, Faculty in Department of Electrical Engineering, is acting as faculty convener for SSS. The Governing Body includes: G. Raghava Reddy (ECE), T. Sathish (Civil), Sathish (CSE), M. Sai Krishna (ECE), Naga Lakshmi (CSE), Amarender (ECE), V.Anand(ECE) Yaswanth (Civil), Tirupathi (Mech.), Sravan(Mech.), Uday(Chemical), Atiya Badar (Chemical), Balarama Krishna(MME), Yadagiri(MME).

SSS has conducted its first seminar on 20th November, 2011 on "Photoelectric Effect" by Naveen Kumar. A. From then, SSS has conducted four seminars successfully. Second seminar in the series is held on "Electronic Communication Systems" by R.Chakradhar on 28th November 2011. Next seminar is held on SCR-Applications on 10th December 2011 by Balaram Naik Vaidithe. Fourth seminar is a Guest Lecture on "Nanomaterials: Fabrication of Carbon Nanotubes" by Dr.K.Pavani, faculty in Metallurgical and Materials Engineering (MME) Department. The fifth is given by T. Sathish and Mr. Ranadheer Sagi (Faculty from Civil Department), on "Behavior of Model Rafts with Settlement Reducing Piles". Now SSS is ready to conduct its sixth seminar in this weekend.

Any students from PUC-1, PUC-2, E1 and E2 can participate as single or else as a group. Firstly the student or a team has to do the registration by sending a mail with all their details and title of the seminar topic to [sssrguktb@gmail.com](mailto:sssrguktb@gmail.com) or can meet any of the series conveners directly in person. After registration, series conveners will decide their tentative date of presentation and seminar chair and intimate the same to the speaker two-weeks prior to the date of presentation. Before one-week to the presentation, the speaker has to submit abstract of his/her topic to any of series conveners directly or through mail. Before four-days of presentation day the speaker has to submit the well prepared PPT already checked by guest faculty.

## Fight Like a Tiger...

**“Fight like a tiger to develop, to grow and to excel in the sphere of duty that you do.”**

*“Duty and Discipline are two important things that one has to remember through out the journey. Duty speaks that what you think to do. Discipline basically speaks doing the right thing at the right time and at the right place. Today India is one of the biggest democratic country which had many revolutions like white revolution, green revolution, space revolution, IT revolution and many revolutions yet to be achieved. Each one of us are important in taking part in Government.”*



Our Hon. Director,  
Dr. Rajendra Sahu,  
addressing on the  
Republic Day

The 63rd Republic Day celebrations in our campus started by garlanding ceremony by the dignitaries. All the students from all batches, academic and non-academic staff, security staff assembled in front of the Old Academic Block. It is such a beautiful moment to see every student in complete uniform (as we don't see it regularly!!!).

The ceremony commenced with arrival of our Hon. Director, Rajendra Sahu Sir; Hon.OSD, Narayana Sir and Hon.CEO, Mr. Vazubuddin. They garlanded the fathers of constitution and offered the common rituals. Our Director Sir hosted the national flag and everybody paid their respects to it by singing the national anthem in unison. Then after, our director delivered his valuable message to the students regarding our responsibilities towards our motherland being its citizens. The speech of Sandeep of PUC1 is appreciative and speech of Mr. Srinivas Rajaram Sir is thought provoking and his song attracted many. The parade show by NCC 'A' Grade Cadets brought the real scenario of Red Fort Republic day celebrations to our campus.

Our campus music choir opened their melodious voice to praise our great mother land and amidst us through their songs. The children from the Child Education team have become a special attraction to the programme. They got dressed up in eye catching attires to celebrate (probably their first) Republic Day celebrations. The most spectacular thing that has drawn everyone's attention is *Rangoli*. It has become an eye feast for the viewers and also a busy photospot/photoshoot later.

Dignitaries, Mr. Rajeshwar – Executive Engineer, Mr. Vazubudin – Security Officer, Mr. Shyam Babu – Physical Director, Teaching staff and Non Teaching staff and students have participated enthusiastically and made the programme a success. The whole programme is hosted by Mr. S.B. Lokesh sir.

*(Sweets were distributed to the students in their respective classes. Then, as a common day, as if we don't know that it is a National Holiday, we were back in our studies and routine life, same as a working day.)*



Rangoli made in front of the flag pole



Students from Vocal Department singing a patriotic song



(from left) Mr. Shyam Baby, Hon. Director, Mr. Vazubudin and other Mentors, HRTs and Faculty salute the national flag



Students from the NCC performing the parade

— **Vamshi Krish. G, Surya Teja Reddy. N**

## NCC– Milestone for the development of “Unity & Discipline”

### Moulik Reddy. P

*IIT students are not only technically skilled but also doing great job in extra academic activities. NCC is one such example that brings out the hidden talents of them.*

National Cadet Corps (NCC) is a Tri - Services Organization, comprising the (1) Army, (2) Navy and (3) Air Force, engaged in moulding the youth of the country into disciplined and patriotic citizens. The Indian Parliament passed the National Cadet Corps Act in 1948, thus creating the NCC. The formation of the NCC under the National Cadet Corps Act, 1948 was a major milestone for the development of the student community.

### NCC Motto :

The motto of the NCC is “*Unity and Discipline.*” It has become instrumental in moulding the character and imparting in our students a dynamic outlook during their school and college education.



### Aims :

- ⇒ To develop qualities of Character, Courage, Comradeship, Discipline, Leadership, Secular outlook, Spirit of Adventure and Sportsmanship and the Ideals of Selfless Service among the youth to make them useful citizens.
- ⇒ To create a human resource of organised, trained and activated youth, to provide leadership in all walks of life including the Armed Forces and always available for the service of the nation.

The Head Quarters of the NCC is in New Delhi and is commanded by a Director-in-General of the rank of Lieutenant General. The NCC is administered directly by the Ministry of Defence.

### Cardinal Principles :

- ⇒ Obey with a smile

## “There Should be No More Disturbances in the University”

### Sai Krishna. M

#### ⊕ Themes of VC's meeting with E2 students:

In the month of December, our VC, Prof. Raja Kumar visited our campus and had a meeting with E-2 students. Here are the themes of the meeting.

VC congratulated the students of RGUKT-B for the high pass percentage from E1 among the 3 institutes. He said that the average CGPA of students is around 8 even though the standard of question papers is high. He even appreciated the Director and faculty members for running 11 additional courses in E2 Sem1, stating that the number is around 5 in other 2 institutes viz. Idipulapaya and Nuziveedu.

He said that the University has started selection process for the third time to recruit the new faculty. This selection process undergoes in the months of January and February in the premier institutes of our country like IITs and IISCs.

He overstated that mess survey should be given appro-

- ⇒ Be punctual
- ⇒ Work hard and without fuss
- ⇒ Make no excuses and tell no lies.

### On Campus :

In our campus, as a part of Extra Academic Activities (EAA), the students of E1 have NCC program. This NCC group comes under 32 (A) Bn, Adilabad. Though NCC direc-



Image: Moulik Reddy. P

torate did not allot the vacancies to admit the students in NCC, many students are showing great interest and waiting for vacancies from the directorate. Out of 2000 students in our campus, nearly 800 students are interested in NCC and on every Wednesday the NCC program is conducted, headed by the instructors. Nearly 60 students have completed their NCC-'A' Certificate course at their SSC level. Now they are playing a key role to educate the remaining students in various activities in the ground. Recently on 26<sup>th</sup> January, 2012 i.e., 63<sup>rd</sup> Republic Day all these 'A' certificate holders performed a wonderful parade to honour the flag with salute.

Lets all hope and encourage the cadets to serve our motherland.

### NCC Instructors :

#### G. Vinod Kumar M.Sc, B.Ed., (Ph.D.,)

– Mentor in Biology ( NCC–C certificate – Army Wing)

#### Ch . Ravi M.Sc, B.Ed., (Ph.D.,)

– Mentor in Biology ( NCC–C certificate – Air Wing)

#### Chandra Sekhar Goud MBA

– HRT ( NCC–C certificate – Army Wing)

riately by the students without any negligence so that proper action can be taken on the mess management by the University. If the overall survey average is below a certain grade, there will be around 5% deduction in their fee every day.

He said that the placement cells will be constructed by the end of third year and they will be working actively from the starting of fourth year.

He even warned the students that there should be no more disturbances in the university as they would effect the university's name which will indirectly effect the students' future.

Further more, he suggested the students that the process of learning in labs should be in an intelligent way where the student is expected to grasp the main idea. Adding to it, he quoted an example of Simple Pendulum, saying that many of the students perform this experiment blindly by calculating the values of damping factor etc., leaving behind the main idea that the simple pendulum is a simple equipment by which the value of g (acceleration due to gravity) can be calculated.

## NSS - “The Wing of Service”

### Chandrakanth. U

**National Service Scheme**, abbreviated as N.S.S. is one of the three student empowerments during post-independent times. The other two being N.C.C and N.S.O. N.S.S was envisioned to involve young and dynamic students of the country in the nation's very own Development, Strengthening and Integration. Embarked on with 37 universities across India in September 24, 1969 (which is also recognized as the **NSS Day**), NSS is now carried on by almost every university in India under the Ministry of Youth affairs (it is happy to say that our university is one among them.).



National Service Scheme was launched with high aims and ideas, with an ultimate goal of **“Personality Development Through Social Service”**. Unfortunately, many of the students in our campus misunderstood the NSS programme as *“cleaning and reaping the grass”* (pity on their ignorant obsession!). Of course, it is one of the many duties performed by the NSS volunteers. In short, any activity which is for the welfare of the community/society does become the duty of NSS volunteer. Afforestation or plantation, organizing the health and blood donation camps, providing awareness to the people on different aspects, organizing literacy programmes, adoption of villages, disaster and famine management etc. come under its broad spectrum of activities. The slogan of NSS— **“NOT ME, BUT YOU”** makes clear the ideals of NSS volunteers. Truly speaking, NSS volunteer takes more care on his surroundings and it's people rather than himself. Here, we have to remember the words of the great Abraham Lincoln, **“Service to the Mankind is Service to the God”**.



Images: Chandrakanth. U

The programme of NSS in our campus under EAA is worth mentioning. But to be sad, in our campus NSS took an year to start and come to what it is now. For the current E1, it started in Sem-2 by the efforts of a few students and faculty members. In our campus, NSS is permitted to 500 volunteers. To be flamboyant, there is total enrollment, but to be frank, participation is at most 50% (don't wonder why?). To most of the students, NSS is just an EAA. But it is much more than that.

### Polling process of Banswada by-polls web casted with the help of IIT-B students.

363, 2nd year Engineering students from RGUKT, Basar, helped the election commission with live Web casting process, to monitor the By polls process started in Bansuwada constituency and polling was telecasted live in Election commission website. Two students worked from each polling station and they carried their laptops with web cam facility and the election commission provided them with WILL phones for communication.

This Web casting facility ensured transparency in 186 polling stations in polling process, and 21 mentors were appointed as technical experts to monitor closely and avoid any technical hitches. District Collector & Election officer, Sri. D. Varaprasad, I A S and Returning Officer Sri. Sri Ram Reddy headed the whole process .

In our campus, NSS is in its early steps. Yet it has done appreciable service. It has planted nearly 50 plants beside the Girls Hostel and the New Hospital and has been taking care of them. It took part in the removal of weeds along roadside and picking up unwanted stones near academic blocks. All these are being done with 5 spades and 8 utensils provided by the institute (ponder on it!!).

NSS volunteers have also played an important role in making the 'Campus Cleaning Activity' a great success, organized on 11/12/11, with all the interested students from all batches. (Nearly 250 volunteers participated). Most recently, they conducted Essay writing competition on the eve of voters day (interestingly, 45 out of 6000 students participated, appreciable isn't it?) and organized oath taking programme on the “National Voters Day” i.e. on January 25<sup>th</sup> . Most importantly, they organized a rally to create awareness of importance of “Vote and Voter” among the citizens of our nearest locality, Basara. They distributed voter enrollment forms to the unregistered citizens (the programme was a success). Our Hon. Director, OSD were also part of these events. Let us hope that more programmes will be taken up, camps will be held to serve better. They may also be invited to take part in National Youth Festival and RD Parade (who knows who would participate?!).



Sincere thanks to Shyam Babu Sir (Physical Director, NSS Co-ordinator?), Harikrishna Sir (PDS Faculty), Vijay Bhanu Ma'am, Ramadevi Ma'am (Telugu Lecturers), who were the in-charges for NSS Boys and Girls wings. Since National Service Scheme is completely a students involved programme, the scheme will be successful if active enrollment and enthusiastic participation from students backs it (is it possible!?). Let us hope for the best!

(For your kind information please visit "[www.nss.nic.in](http://www.nss.nic.in)" to fetch more.)

### ‘Quizzes Club’ is Back Again!

A long time after the first quiz on 26th June, 2011, The quizzes club is back again. To extract the general skills of students, to create a competitive atmosphere in the campus and to make students aware of all general aspects.... The club formed by Naveen and Balaram with faculty convener Prashanth Bar Singh sir.

Quizzes club in its 2nd attempt has elaborated its scope and extended it to E1 students also. Now, on 2 different occasions E1 and E2 students are going to face the quiz competition. On Feb 12, 2012 is for E2 and on Feb 19, 2012 is for E1. The questions are related to General Knowledge, Current Affairs, Sports, Film Mania, Science & Tech, Telugu Literature, Rapid Action and Photo puzzle round. Naveen and Balaram saying sorry for this gap and hoping to conduct the quiz once per a month.



### 49<sup>TH</sup> NATIONAL METALLURGISTS' DAY

#### Amulya Deepthi. K

It is celebrated every year on 14th November, coinciding with the birthday of our first Prime Minister of India, Late Pandit Jawaharlal Nehru, a great visionary and national leader.

On this occasion, a cultural event was held in our campus wherein our hon. Director Sir was invited as the chief guest. A speech was delivered by the Director followed by the faculty members of MME department emphasising the significance of MME which was very informative and innovative.



Image: Amulya Deepthi. K

Later, a skit was played by the students conveying that Unity among all the departments brings innovative creation. The metallurgists celebrated the event with singing and dancing. Finally the event was ended with vote of thanks given by the coordinator of MME Department, Mr. Ashok. All of the students had great fun on that day, almost as a festival.



సాధారణ కుటుంబాలలో అసాధారణ వ్యక్తులు జన్మించడం మనం తరచు చూస్తుంటాం. అలాంటి కోవకు చెందినవాడే "నెమలికొండ నరేష్", కరీంనగర్ కు చెందిన మామూలు కుగ్రామం ఇస్లాంపూర్ లో 01/10/1992 రోజున మల్లమ్మ,లింగయ్య దంపతులకు జన్మించాడు. ఆ రోజున వారికి తెలియదు అతడు ఉన్నత స్థాయికి వెళతాడని, తమ కుటుంబానికి పేరు ప్రతిష్ఠలు తీసుకొస్తాడని.

పేదవాడిగా పుట్టడం తప్పుకాదు, కాని పేదవాడిగా పోవడం తప్పు అనే సిద్ధాంతాన్ని నమ్మి చిన్నతనం నుండి ఉన్నత ఆశయాల్తో, క్రమశిక్షణ పట్టడం కలిగి నిరంతరం శ్రమించేవాడు. కటిక పేదరికంలో ఉన్నప్పటికీ చదువును ఏమాత్రం నిర్లక్ష్యం చేయకుండా, ఎలంటి వ్యసనాలకు తావు ఇవ్వకుండా చదువే ముఖ్యమనేవాడు, తను చదివినది మామూలు ప్రభుత్వ పాఠశాలలో అయినప్పటికీ అత్యుత్తమ మార్కులతో మండలస్థాయిలో ప్రతిభను కనబరచి పేదరికం చదువుకు ఆటంకం కాదని నిరూపించాడు. అత్యున్నత ప్రమాణాలతో కూడిన రాజీవ్ గాంధీ విశ్వవిద్యాలయంలో కొలవు పొందగలిగాడు.

తాను వచ్చింది మామూలు పాఠశాల నుండి అయినప్పటికీ, తన చుట్టూ ఉన్నవారు తనకంటే విద్యలో మెరుగుగా ఉన్నా కానీ ఏనాడు అభైర్య పడక, ఆత్మవిశ్వాసంతో చదువును కొనసాగించాడు. ఆర్థికంగా ఎన్ని ఇబ్బందులున్నప్పటికీ ఎక్కడా వెనకడుగువేయకుండా, తన మోముపై చిరునవ్వును చెరగనీయకుండా తన చుట్టూ ఉన్న వాళ్ళకి ఆదర్శప్రాయంగా నిలిచాడు. శ్రమించడంలోనే ఆనందాన్ని వెతికేవాడు. అతని కృషికి ఫలితంగా ఇంజనీరింగ్ మొదటి సంవత్సరంలో 8.91 గ్రేడ్ పాయింట్లతో ECE విభాగంలో స్థానాన్ని పొందాడు, అదే సమయంలో తన సోదరుడికి కూడ తనతో పాటు సీటు రావడంతో అ అనందం రెట్టంపు కాగ, వారికి ఆ ఆనందం ఎంతో కాలం నిలువలేదు. దురదృష్టం అతడిని వెంటాడింది.

25/09/2011 రోజున అతడు ఈ ప్రపంచాన్ని వదిలి కానరాని అనంత లోకాలకు పయనమయ్యారు. అతి పిన్న వయసులో మృత్యుదేవత (appendicitis రూపంలో) ఒడిలో నిద్రించాడు. ఈ అకాల మరణం ఆయన కుటుంబానికి, స్నేహితులకు తీరని విషదాన్ని మిగిల్పింది. అతను అనంతలోకాలకు వెళ్ళినప్పటికీ మా మనస్సులో ఆయనజ్ఞాపకాలు పదిలంగానే ఉంటాయి....

చేకూరాలని ఆ దేవున్ని ప్రార్థిస్తూ....

ఇట్లు నీ  
మిత్ర బృందం (Omega-6)

### The Game of Racquet and Ball

#### T. Karthik Reddy

“Table Tennis”, the game which has international fame, has taken its root in our campus. As per student’s request, two tables were set up in the New Academic Building– II. Our Director Sir inaugurated the TT Tables by playing his first shot and OSD, Mr. SB Lokesh (Faculty in-charge for sports) and Shyam Babu (Physical Director) participated in the ceremony. TT is going to be a It is very unfortunate that the number of tables is just two. Let’s hope for more in the future. At present, lot of students are showing interest to participate in TT and we hope that this zeal spreads to other indoor & outdoor sports & games and the equal encouragement from the side of administration continues.



### Feel Proud: IITian’s Paper in IEEE

We feel very proud to tell you that the research article titled “Combined Economic and Emission Dispatch using Intelligent Water Drops-Continuous Optimization Algorithm”, written by Nagalaxmi. P, Kranthi Kumar. R, Harish. Y (students) and Mr. Chakravarthi. J (Faculty in EE) is selected to be published in the IEEE Transaction.



(from left) Mr. Chakravarthi. J, Nagalaxmi. P, Kranthi Kumar. R, Harish. Y

This paper presents a new optimization technique IWD-CO to solve an optimization problem Combined Economic and Emission Dispatch (CEED). The CEED is a combination of Economic Load Dispatch and Emission Dispatch which aims at the minimization of the fuel cost and emission cost of generating units while satisfying the load conditions and other constraints. The present algorithm is inspired from the natural river dynamics. Here the agents are water drops and they are used to find the optimal path in the search space. The IWD-CO is used in an efficient manner to solve large generating unit power This paper presents a new optimization technique IWD-CO to solve an optimization problem Combined Economic and Emission Dispatch (CEED). The CEED is a combination of Economic Load Dispatch and Emission Dispatch which aims at the minimization of the fuel cost and emission cost of generating units while satisfying the load conditions and other constraints. The present algorithm is inspired from the natural river dynamics. Here the agents are water drops and they are used to find the optimal path in the search space. The IWD-CO is used in an efficient manner to solve large generating unit power system.



Cartoon: Ravi Kumar. A, B083280, 001, ME, E2

## Why We Quit Too Easily???

This is one of the major problems we are struggling with and we have been consistent with that. "When we start something new, why we quit too easily?" Starting something new starts with very small issues such as learning a new English word/ phrase per day, to talk in English from a respective day, to work hard in the new semester, to concentrate more on a particular tough subject, etc. to very big issues such as organizing an event, starting a new club, conducting activities in the classrooms, etc.

This has become a major problem and yet remains as it was. I too don't have the solutions for those problems but I want to represent them in front of you. Let us start with a small example— Learning a new English word per day. When we come across a seminar given an eminent professor, a student who is very fluent in English, or a very good English movie, we go deeper in our thoughts and make a strong decision to learn a new English word/ phrase per day. On that day, we will search for a half-used book and write a new word that we have come across. The very next day, we will be very busy in our daily routine life and it is such a busy that we don't even remember what had happened the previous day. This goes on for a few days. After that, when we come across any incident again, mentioned above, our 6th sense gathers the previous information and we will start writing all the words at once.

There are lot of example as such. We feel embarrassed to talk in English in front of others. By mistake, if we take a strong determination to speak in English, our friends start laughing and we won't be interested in that. Talking about the academics, most of us will be pretty confident about ourselves. On the basis of the previous semester results, we will be determined to work hard in the new sem. In the early days, we will buy new notebooks, pens and all the vital accessories. But that enthusiasm doesn't continue later. In the same manner, if we feel uncomfortable with a particular subject, we will start reading with special interest. Later, we feel bored to learn that. We will start a new club or organization with great passion, with lot of objectives and rules. But we will not be consistent in continuing it. When a class CR announces that classroom activities will be conducted on every Sunday, everybody will feel happy. But that would persist only for 2 to 3 weeks. Not more than that. BUT WHY DOES THIS HAPPEN?

The above examples illustrates how we lose grip on what we start. This does apply to the previously established clubs such as Quizzes Club and Treasure of Knowledge Club. Both took their birth in July 2011 and initiated with inaugural competitions of "Quiz Competition-1" and "Best Programmer of RGUKT". But the participation was very less. Out of 2100 senior students, only 40 turned up for TOKC and the class CRs forcibly dragged their fellow friends to participate in Quiz-1. Whatever may be the unknown reason, Treasure of Knowledge Club is out of sight and the Quizzes Club restarted recently. Not only the above mentioned two, even this magazine faced the same problem. "The Student" team thought of publishing the magazine every month. July's edition is good. The next edition took 2 months and this edition took 4 months, thus violating the basic rule.

What could be the possible reasons for this epidemic disease? All of us, even me, feel that the busy academic schedule acts as an obstacle for these kind of activities. 5 subjects per semester and an

additional subject to carry the extra burden. (Although it is optional to take additional, in order to satisfy the requirements, we are left with no other option). Till E1, we have extra time in the evenings. But now, we feel that we don't even have the time to take breath.

Addiction to the movies and games (playing in the system) is also adding its part as a valuable contribution. Even if we get some time to take breath (after undertaking so many breath taking tasks), we prefer to watch movies or play games. We like to watch the same movie several times and play the same game numerously.

In such a busy routine schedule, we don't give more preference for participation in extra curricular activities. Every now and then, the notice board gets filled with lots of invitations to join/ participate in a particular organization/ activity.

But we hardly care about it, except to see the time-table, WAT/CAT syllabus or any other academic related stuff. This lack of enthusiasm and participation has been following us from the beginning itself is continuing even now. If there are any credits for Extra Academic Activities, then we all should have got remedial in EAA. Luckily, we don't have that. If the management tries to award credits for EAA, then most of us participate only to earn credits but not with our own interest for participation.

Taking the example of IITs' it is a fact that most of the students spend time in organizing different kinds of events other than studies. There's a common saying in IITB, "Students feel more satisfied planning an event at coffee shack rather than attending a lecture." Coming to our IITB, we have to say that "Students don't feel satisfied either in organizing an event or attending the lectures." In the July's edition, I have mentioned in the article "Where are We" saying that

*"...I don't know how, but somehow from the beginning of 3rd semester the thinking capabilities of our friends are developing. Some of us might realized the importance of "active student participation" in the all round development of an university. They are sowing the seeds for the future forests. We can take the Quizzes Club and TOKC (Treasure Of Knowledge Club) for examples."*

I might be wrong because I can't find any difference between July and present. I can't say the reason that the number of courses we have undertaken in the E1-Sem3 are just three and we have got more time to spend on Extra Academic Activities.

Don't think that "...he started somewhere saying that we quit easily and why is he diverting the topic to extra academic activities?" I already told you that I don't know the answers for the given questions, but I am just stressing that "If we don't even show the proper discipline to continue learning a single word per day, to show interest on a particular subject, how can we participate actively in the EAA such as organizing a new club, organizing an event?" It is already announced that Science Fair is going to be held in July, let us see how many students will turn up to take part in organizing it and how far it will be successful. Let's hope for the best.

— M. Raja Harish Kumar, B083290, 102, ECE, E2

(Image Courtesy: Google)



## Child Education Programme Undertaken by IITians

Right now we are studying in a prestigious university with all the facilities readily available. But did we ever think of this question,

“Do all the children get an opportunity to study like us? If not a chance in a very high class institute, at least in a normal school? Are they getting proper education?”



If we think about it, finally our answer, from various rigorous ponderings, would converge to **“NO”**. Most of the developed nations have a literacy percent of 100%. (Do we know this?) India, being a nation, which is still said to be developing (not developed) has a chance of getting developed by increasing literacy rate. Then why can't we contribute something to make our nation (soil which gives us all that it can give) developed?

Look at the children of the labour in our construction site. Let's put ourselves in their shoes and think of it.

### *Do we have an answer for these questions:*

Did we ever think how pathetic their situation is? Why are they not studying like we do? Did these innocent kids commit any mistake that keeps them away from studying? If your answer for the last question is NO, then go on reading...

To climb a tree, we have to start from the bottom (roots). To construct a building, we have to start from the base (foundation). To study, we have to start from the alphabet. Finally, to do anything, we have to start right from the basics.

So, to do something for this children— who don't even know the pathetic situation in which they are— lets join our hands together and help them get educated.

With this motive, The Child Education Program has been initiated. The idea has come among many of our own students, who were moved by the scenario. They have taken it to faculty's attention, who graciously accepted the idea and have

given all the support they could give.

So, if we think that we need to contribute something for these children, if we think that we need to offer something to make them responsible citizens, then we have to participate in this program (teaching them right from the basics/alphabet). If you are ready for that, then join this program along with us.

Initially, 61 children who are working in the construction site are taken into this programme. Later, due to the migration of their parents, nearly 30 students have gone out. So there are 30 to 35 children remaining who are looking forward to the helping hand right now.

When this program was started, all the students have participated in it very actively. But now it can be seen that, the interest which was present in the students at the beginning, is declining gradually. The reasons are unknown and many. But can't we just tackle them and come out of them?

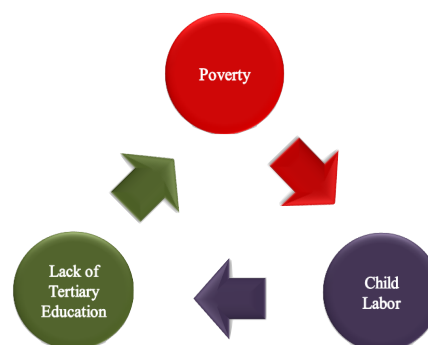
All that we are trying to say is **“A helping hand is better than speaking mouth.”**

Can't we make them read and write just by spending one hour in a day for them when we have enough of knowledge and time to do it? Why can't 5000 students all together can't make just 30 students study? Just think about it.



Children from Child Education Programme along with the Director

***To make our nation a developed one, let's get started with our small domain”.***



# Slow Start - Fast Finish

## Analysis of the module status in the Semester-1 of E2

It has become practice in the IITB to start the semesters slowly and end them in a very rapid manner. This fever has commenced since the starting of Engineering- I. In those days, there is proper reason to say for the slow starts. I found the two paradigms for them. The first being exposed to the new engineering subjects. The other being the unavailability of new faculty members. Although the content was uploaded in time, due to the above mentioned reasons, we had a very slow start. Due to this, we lacked pace in the middle. During the end, the syllabus competed with the aero planes. Still, we managed to cover only 60% of the syllabus. Due to the lack of lab equipments, we didn't even cover the labs in the first two semesters and I don't know whether it helped us or not. E-1 had some reasons to say for the delayed, slow start. But what happened for Engineering-2???



The previous semester's statistics (displayed in the next page) reveal us the fact that the modules covered for CAT-I are very less compared with that of the others. This doesn't stick to a particular branch. Every branch followed the same pattern. We are following such an academic calendar which optimized the number of holidays and we too, working with rigorous effort to learn as much as possible. But why can't we complete a particular course in the respective semester?

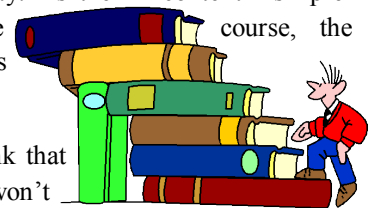
Back in the analysis, the number of modules covered are very less for the first CAT. There are some considerable and reasonable reasons for this. They include registration for the new semester, shuffling of the classes, late uploading of modules, absence of faculty, students being homesick, etc. Taking all these reasons into account, the first month of a new semester completes in a bewildered manner. Thus less number of modules will be covered. But, coming to the second month, it even runs slowly, with the same pace that of the first, although there will not be any disturbances. If we think that there are certain problems regarding the initiation, why can't we gain momentum in the middle? In the third and last month, slowly and unknowingly, the momentum gains. If we consider the definition of momentum, mass will be constant but velocity increases rapidly. This may be due to the hurry to complete the course syllabus as much as possible. I don't know whether the best of two (2 CATs out of 3) is a boon or .....Due to that, knowingly or unknowingly, we don't care much about any one of the first two CATs. We try to give our best in the third CAT hoping that the same pace continues. The number of modules almost doubles for the third CAT.

In the early days of a semester, laboratory experiments will be started lazily. They too lack the momentum in the middle due to the lack of equipments but gains acceleration in the end. In this duration itself, we have to write the observations

and records (both at the same time) and prepare for the third CAT, Laboratory End Semester Exams and the End Semester Exams in that energy gaining period. As a result, stress and strain will be applied in significant amounts on our brains.

In all these three and half months, we couldn't even complete the course on a particular subject. If we complete a course luckily, it will be in a haphazard way. Lot of modules will be left out. These skipped modules play a vital role in the forthcoming semester. Taking the example of Electronics and Communications Engineering, the total number of modules covered in Introduction to Electronics (EC2101), Network Analysis (EC2102) and Semiconductor Devices (EC2103) are 34, 29 and 30 out of 37, 40 and 42 modules respectively. If we refer to the table provided, almost 53% of the modules of Introduction to Electronics, 45% of the modules of Network Theory and 47% of the modules of Semiconductor Devices are covered in the last month itself. Although these many steps were taken, 9% of Introduction to Electronics, 27.5% of Network Theory and 30% of semiconductor Devices modules are not covered. All the three courses were the pre-requisites for Analog Electronics (EC2201), Signals and Systems (EC2202) and Devices Laboratory (EC2802) respectively. We take more time to cover basics and the same process repeats again and again.

To be frank, we, the students, are contributing more of our contribution to this high drama. In the reasons mentioned above, the first two, registration and shuffling should not come into consideration because it hardly takes 2 days for the registration and shuffling is not new for us. Even though the skipped modules will be uploaded later, we, even I, don't show interest in completing them. We are provided with video modules, reading materials (off course not) and reference books, it is our duty to complete the course. Even though we know that these skipped modules are going to play a vital role in the succeeding semesters, we bother least about them. Although we get sufficient time to cover them, we show more interest on the POST END SEMESTER EXTRA ACADEMIC ACTIVITIES. The two most reasonable reasons are delay in uploading of new modules and absence of faculty. As the content is prepared in parallel with the course, the uploading of new modules is sometimes delayed.



However, I don't think that the above mentioned reasons won't effect our "Learning by Doing" much. It is our duty to complete the particular course in the respective semester. It is in our hands, whether to build ourselves up or...

— **Raja Harish Kumar. M, B083290, 102, ECE, E2**

(Image Courtesy: Google)

*Status of the modules covered in the previous semester (E2, Sem-1)*

Branch	Courses Offered	Total No. of Modules	Modules for I CAT	Modules for II CAT	Modules of III CAT	Modules for End Sem	% of Modules Covered	% of Modules Uncovered	Courses which has pre-requisite in the present semester
ECE	Introduction to Electronics	37	8	8	15	34	91.8	8.1	Analog Electronics
	Network Theory	40	8	8	13	29	72.5	27.5	Signals and Systems
	Semiconductor Devices	42	8	9	13	30	71.4	28.57	Devices Laboratory
	Matrix Algebra	30	8	10	10	28	93.3	6.7	—
CSE	Design of Algorithms	33	9	9	15	33	100	0	—
	Discrete Structures	27	9	9	8	26	96.3	3.7	Formal Languages and Automata Theory
	Introduction to Electronics	37	8	8	15	34	91.8	8.1	Switching Circuits and Logic Design
	Network Theory	40	8	8	13	29	72.5	27.5	—
ME	Transform Calculus	30	7	9	10	28	93.3	6.7	—
	Kinetics of Machinery	35	6	12	13	31	88.6	11.4	Dynamics of Machinery
	Thermodynamics	19	7	5	7	19	100	0	Fluid Mechanics
	Mechanics of Solids	17	6	5	6	17	100	0	—
	Design of Algorithms	33	9	9	15	33	100	0	—
MME	Thermodynamics	23	6	6	7	20	86.9	13.1	Mineral Processing and Non-ferrous Extractive Metallurgy
	Structure & Property of Materials	40	9	10	16	37	92.5	7.5	Mechanical Metallurgy
	Physical Metallurgy	28	8	7	5	20	71.4	28.6	—
	Fourier Analysis & Partial Differential Equations	29	4	11	8	23	79.3	20.7	—
	Design of Algorithms	33	9	9	15	33	100	0	—
Chem	Fluid Mechanics	34	7	10	13	30	88.2	11.8	Heat Transfer, Introduction to Software Tools in Chemical Engineering
	Chemical Process Calculations	32	8	6	18	32	100	0	—
	Numerical Solutions of Ordinary & Partial Differential Equations	33	5	10	13	28	84.8	15.2	—
	Design of Algorithms	33	9	9	15	33	100	0	—
	Thermodynamics	26	7	6	13	26	100	0	—
Civil	Surveying	40	8	8	10	28	70	30	—
	Construction Materials and Introduction of Design	41	8	9(1-25)	11	28	68.2	31.8	—
	Mechanics of Solids	40	8	8	11	35	87.5	12.5	—
	Geo Sciences	40	8	11	10	33	82.5	17.5	—
	Transform Calculus	30	7	9	10	28	93.3	6.7	—

# Manage the Waste

The Waste Material Management project has started on 10th November, 2011. The objective of this project is to create a zero waste management plan for our campus. As we all are living in a very consumerist life style, we waste a lot. Our natural resources are very limited and we are exploiting them blindly and damaging our environment beyond repair and the funny fact is that we all know this and yet we ignore it. Our team figured out some drastic steps which are to be taken to change the present condition. We always think that “Waste is a misplaced resource and an unrecognised wealth”. But, we can also create some good economic opportunity if we can have a proper waste management system. So taking all this in to consideration, we are proposing a plan for our campus so that we can make our campus clean & green and eco– friendly, free of wastes.

This program is not related to any particular batch or branch. It involves every person in our campus. The first cleaning activity, viz. Campus Cleaning Activity, was done successfully with the help of faculty, students and the house– keeping staff on 11th November, 2011.. In order to run this program efficiently and successfully, every must follow the rules and regulations such as Throwing all the wastes into the dustbins, Do not waste food or water, Use minimum number of books or pens, etc.

### Sources of wastages in our Campus:

<b>Mess</b>	Food wastage, water wastage.
<b>Dormitories</b>	Damaged cloths, Shoes, Books, Buckets, Plastic wastage(Shampoo/Soap covers & bottles etc.)
<b>Academic</b>	Old note books, used pens/refills, wastage from labs(wires, chemicals etc.) system package boxes and plastic wastages.
<b>Canteen</b>	Plastic wastage (snacks covers like lays kur-kuray, Cool drink bottles, Polythin covers)
<b>Construction</b>	Damaged plastic pipes, unused iron rods, carry bags like cement/sand bags.
<b>Hospital</b>	Saline bottles, injections, tablet covers, used cotton and all plastic wastages.

### Mess wastage:

Source	One Day	One Month	One Academic Year
From the Student's side	600 Kg	18,000 Kg	1,80,000 Kg
From the mess side	100 Kg	3,000 Kg	30,000 Kg
Water wastage	500 L	15,000 L	1,50,000 L

### Academic Wastage:

Source	1 semester	3 semester's
Book wastage (3 books from each student)	18450	55350
Each student uses 30 pens per year, For 6000 (approx.) students	1, 80, 000	5,20,000

### Fund collection:

Suppose each book weigh 350 grams total books weighs 19,372 Kg. Even if we sell 1 Kg books for Rs 3 we get around Rs 58,117. By using this amount we can buy dust bins, brooms, instruments collection (gloves, tricycle dustbins and other cleaning objects)

### Who is involved?

Students, NSS volunteers and HRTs, Mentors and Faculty are involved in this programme.

### Long Term Proposed Solutions:

To establish Biogas Plant, Vermi Compost Unit and Recycling Plant.



### Action plan:

- ▶ All the students and NSS volunteers have to collect the garbage and deposit at one dump pit.
- ▶ After product formation, packing, distribution or selling
- ▶ Any alternative method to do recycle.

The pile of books which were collected as a part of Campus Cleaning Activity



Medicinal Wastes (Plastic) beside the hospital

# INTERNET – ‘MIS’ USE

Time:-7:30 am,

We can see on most of the laptops

“Starting Tor browser....”

“Authenticating to Tor....”

“Connection established....”

Thereafter he/she can surf the internet unanimously. Though RGUKT servers has been protected with proxies, one can easily bypass the proxy and can do anything that he/she wanted to do. They can even download Gbs of data. On the other hand, when we try to google the extra information regarding the subject, we find that, to be precise, the response is “Connecting...”, “Connection Timed Out...”

But with the time things also have been changed. Though it is about 8:30 am, we can hardly see 50% of us are in the classrooms. Students are questioning themselves, why should I go to the class when I can't show my face in facebook, can't tweet in twitter or google for something, downloading is too far away.

Have you ever thought why are we not getting access to the Internet? Of course all of you will do but how many of you have the correct answer, here I mentioned correct because most of us read in news papers that *As the institute have failed to pay the bills to the network provider (BSNL), it has stopped broad-band services for the institute*. But that is not true. Because while the faculty and the office are getting access to the internet, why don't we?

When I consulted the network administrators asked about this, I got three interesting points;

**First one**, our broadband speed is 20 Mbps. But it is theoretical. In practical we are getting only 6.09 Mbps, too far from the theoretical value. If the network administrators even switch\* it on for the students also, every laptop (assuming 6000 laptops) in campus gets 1.06Kbps with which you could get nothing. And you should have a question after reading all this, if we are getting only 6.09 Mbps broad band what the officials are doing? Yes I'm coming to that. Though they have complained about it to the BSNL (Network provider to our campus), there is no improvement till date. And some network providers offering internet for comparably at low cost than the BSNL. So they are thinking weather to change the provider or not?

Number **two**, consider we are being provided net with that speed (1.06Kbps). While somebody is struggling to open Google

home page, most of the students bypass the proxy and they can download even Mbs of data. **Tor** gains over proxy and drags most of the data from the broadband and it acts as a relay for other networks. So some significant works which are has to be done by the office and Network Administrators (like updating content to the servers and sending our exam files) can't be done in time, which results in significant damage to the system.

**Last** but not the least, rather the most important one, is that most of us are bypassing the proxies. Network Administrator's are well aware of it. Of course, bypassing doesn't mean students are miss using internet. But, the administrators think in another way. So they thought it is worthless to provide internet.

You may think *“What the hell is this? How can they decide weather we are using or misusing?”* I also got the same question and when I asked them, Mr. Ravi Teja (Network Administrator) said that there is a team appointed by the

IIT-H to reconfigure all the proxies in all the three campuses, which is currently working in our campus. Meanwhile they are looking into two alternatives. One is, to provide internet to the students during night study hours, as it is being done (at present) in the other two campuses. The other is to provide internet to some (say 100) laptops, which will be accessible to all the students in a separate room

**క్రిష్ణ** ఐటీ కళాశాలలో నిర్వహించిన ఆన్లైన్ సేవలు బాసర, న్యూస్టుడే. క్రిష్ణ ఐటీ కళాశాలకు రెండు రోజులుగా ఆన్లైన్ సేవలు నిలిపి పోయాయి. అధికారులు సృష్టించిన పోవడంతో విద్యార్థులు, ఉద్యోగులు అందోళన చెందుతున్నారు. క్రిష్ణ ఐటీ విద్యార్థులు కాము నేర్పుకున్న పాఠాలు ఆర్థం కాకపోయినా, ఏదైనా అనుమానాలు తలెత్తినా వాటిని ఎప్పటికప్పుడు ఆన్లైన్ గ్రంథాలయంలోని పుస్తకాల ద్వారా నిపుటి చేసుకోవటారు. కళాశాలకు సంబంధించిన విషయాలన్నీ విశ్వవిద్యాలయ అధికారులు ఆన్లైన్ ద్వారానే తెలుసుకోవటారు. రెండు రోజుల నుంచి ఆన్లైన్ సేవలు లేకపోవడంపై సంబంధిత అధికారులను అడిగితే త్వరలో మళ్లించి చెబుతున్నామని ఆన్లైన్ సేవలు నిలిపివేశామని సంబంధిత అధికారులు చెబుతున్నారు. ఈ విషయమై ఆన్లైన్ సేవలు నిలిపివేశామని సంబంధిత అధికారులు సంప్రదించగా.. ఆన్లైన్ సేవలు నిర్వహించే మా విద్యార్థులకు లేని బాధ మీరెందుకని ఎదురు ప్రశ్నించారు. ఆన్లైన్ నిర్వహించే నష్టమేమీ లేదని తేల్చి ఉపశాస్త్రులు.

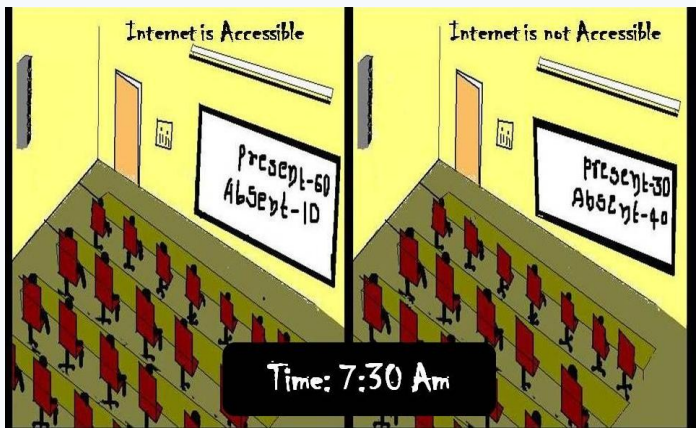
as you have library for the books. Then it will be easy for them to look in.

And one more problem is manpower. We have only two network administrators to look after all the servers and the network in the campus. So usually it will take some time to resolve all the problems.

Meanwhile, what we guys have to do? Answer is pretty simple. We need to make best use of the recourses that we have. If not, I don't know what we have to loose in future. So my dear friends, I suggest you all to delete, no “Shift + Del” the TOR browser from your hard disks. Of course, I can't assure you that you will get accessed to the internet like before. Don't worry friends, soon we will get accessed to the internet but for limited hours only...

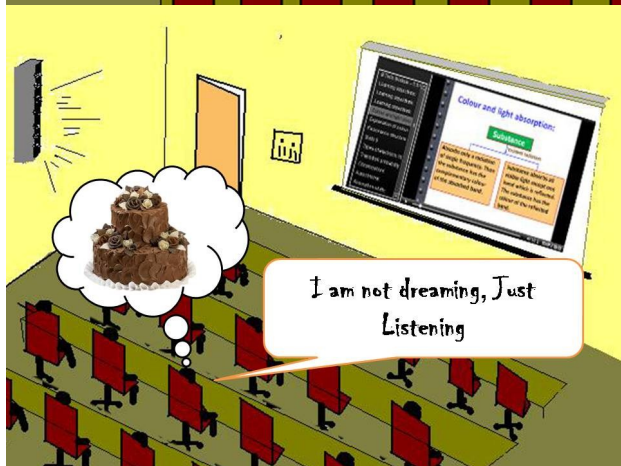
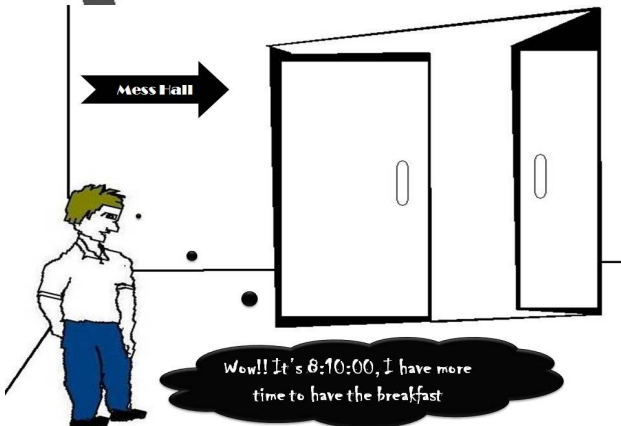
\* There are total five switches for the servers. 2 switches are provided for the faculty members and 3 switches are provided for the students.

— Venkata Krishna, B082038, 014, ME, E2



Cartoon: Ravi Kumar. A

### A Routine Day In JJJTB

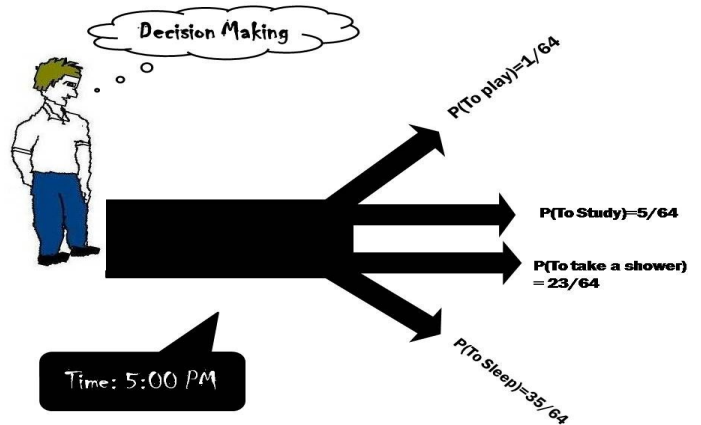


### MOVIE BOX@ ....!!TB

Businessman	-	Running successfully in 80 classes.
Bodyguard	-	TERI MERI song was on the lips of the IITians.
Don 2	-	Not in lime light.
Journey	-	Everyone saw it and got good reviews.
Oh my friend	-	Pulled the attention of toppers also.....
Oosaravalli	-	average (Only NTR fans Watched it).
Panja	-	Flop , No one cared about it.
Ra One	-	Did not reached to the expectations of IITians.
Rajanna	-	It was never played on the projectors but reached the IITians through their laptops.
Sri Rama Raajyam	-	No one bothered about it .
7 <sup>th</sup> sense	-	Its a big NON-SENSE.

### 10 Things To Do Before Graduating From JJJTB

1. Spend at least 3 hours in library.
2. Visit each and every room in every hostel.
3. Not going to class at least on one Sunday.
4. Visit Basar temple.
5. Watch movie in theatre @ Nizamabad...(on working day)
6. Sleep peacefully in the class (during class hours...)
7. Eat upma for at least 3 consecutives weeks.
8. Get wet intentionally in the rains.
9. Don't watch movies for a week.
10. Stay without bathing for 14 days in a row.



Cartoons: Ravi Kumar. A

— K. Shiva Ram Reddy, B092949, 212, E1  
 T. Vijay Kumar, B092882, 213, E1  
 Ravi Kumar. A, B083280, 001, ME, E2

("Leisure Page" contents are just for fun. They are not intended to hurt the feelings of anyone.)



## IITB to IITB: A Tech–n–joy Travelogue

Hello Friends!!!

As you know that most of the time, man learns from his past experience or understands what he observes. Now, I want to describe my experience at IIT Bombay's Tech Fest. Though it was just a visit, it was too meaningful and made us to learn many things which we require as a student.

We decided to go to IIT Bombay at least for a small visit after being told by the faculty that Tech-fest is going to be held in IITB. So that we could get an idea of what a tech fest is and how it will be conducted. Including me, we were 73 from our campus.



Entering into the *city of industries* is new for me and probably for most of the students. When we got into the University (IITB), I was astonished by seeing the environment of the college— so peaceful, so calm, greenery everywhere, tall trees, fountains in the garden and a small, beautiful pond. Such a beautiful environment I have never seen before in any college. At that moment, I felt that I should grow as many number of trees as possible in our campus. Any how, this is a small description about the environment in and around the campus.

As soon as we got into the university, we have visited the IIT hostels. They were unbelievable with full of comfort, lift facilities, a big TV hall in every hostel and most importantly, cleanliness of the location in each and every part.

Tech-fest in IIT Bombay was sponsored by many national and international companies like Big Cola, ETON, Hindustan Times, etc.

We have visited different stalls to have a look on their products. Of course, those companies installed their stalls to advertise their products. Their products, which were made utilizing new technology, were very attractive. The products were more useful and easy to use no matter whether they were Electronic, mechanical or agricultural. Each and everyone put their full effort to introduce their product and explained what they have made.

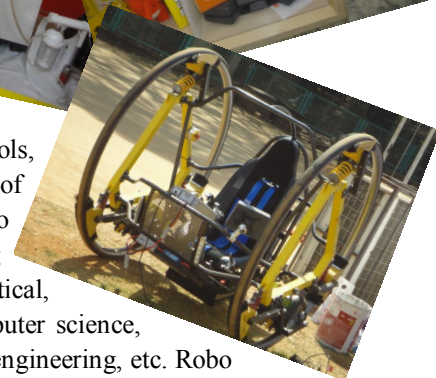
On the second day, most of the time passed in attending the lectures which were given by different lecturers and professors from various parts of the world. I have attended the lecture which was given by Prof. David J Griffith on Quantum Mechanics and some of my friends attended the lecture of Prof.

Venkat Raman, who was awarded Nobel Prize in 2011 for Genetics.

A little after, we have visited the 'Tech-Connect' which was based on full of modern electronics and mechanics, like cars, robots, bicycle designs, laptops, violins, pianos and different designs of pipes which are based on the principles of fluid me- chanics.



Then we have seen competitions among different college/schools, who were the participants of Tech-fest. They belong to different areas of engineering fields like civil, aeronautical, electrical, mechanical, computer science, metallurgical, chemical, bio-engineering, etc. Robo was one of the competitions which I liked the most. Then after, we visited the defense department where there were good number of weapons which are used for defense in the present day.



IITians in IITB



On the third day of tech fest, as usual, the next series of lectures were continued. Leaving the lecture hall, we started visiting each and every corner of the university and we have seen the classrooms, laboratories, academic buildings, placement cell, etc. In fact, their infrastructure itself represents high quality of education.

However, the techfest ended at night on 8th Jan, 2012 with full of joy. The people were entertained by acrobats, drummers who came from New Zealand and Canada.

This is all about the tech-fest in IITB from 6<sup>th</sup> to 8<sup>th</sup> January. The complete tech-fest was organized and managed by the students of IITB and it was successful because of their unity and passion to achieve something.

— *Jaweed Akhtar, B082832, 113, ECE, E2*

# Up and Up and Up...

Manas Maity [M.A., B.Ed., M.Phil. (Ph.D)],

Department of English.



You lovers of the English language might enjoy this .

There is a two-letter word that perhaps has more meanings than any other two-letter word, and that is 'UP.'

It's easy to understand **UP**, meaning toward the sky or at the top of the list, but when we awaken in the morning, why do we wake **UP**? At a meeting, why does a topic come **UP**? Why do we speak **UP** and why are the officers **UP** for election and why is it **UP** to the secretary to write **UP** a report ?

Speak  
up!

We call **UP** our friends. And we use it to brighten **UP** a room, polish **UP** the silver, we warm **UP** the left-overs and lean **UP** the kitchen. We lock **UP** the house and some guys fix **UP** the old car. At other times the little word has real special meaning. People stir **UP** trouble, line **UP** for tickets, work **UP** an appetite, and think **UP** excuses. To be dressed is one thing but to be dressed **UP** is special.

And this **UP** is confusing: A drain must be opened **UP** because it is stopped **UP**. We open **UP** a store in the morning but we close it **UP** at night.

We seem to be pretty mixed **UP** about **UP**! To be knowledgeable about the proper uses of **UP**, look the word **UP** in the dictionary. In a desk-sized dictionary, it takes **UP** almost 1/4th of the page and can add **UP** to about thirty definitions. If you are **UP** to it, you might try building **UP** a list of the many ways **UP** is used. It will take **UP** a lot of your time, but if you don't give **UP**, you may wind **UP** with a hundred or more. When it threatens to rain, we say it is clouding **UP**. When the Sun comes, out we say it is clearing **UP**.

When it rains, it wets the earth and often messes things **UP**. When it doesn't rain for awhile, things dry **UP**. One could go on and on, but I'll wrap it **UP**, for now my time is **UP**, so... Time to shut **UP**!!!

*Oh...one more thing:*

*What is the first thing you do in the morning & the last thing you do at night? U-P*



→*You Think English is Easy???*

*Can you read these right the first time?*

- 1) The bandage was wound around the wound.
- 2) The farm was used to produce produce.
- 3) The dump was so full that it had to refuse more refuse.
- 4) We must polish the Polish furniture.
- 5) He could lead if he would get the lead out.
- 6) The soldier decided to desert his dessert in the desert.
- 7) Since there is no time like the present, he thought it was time to present the present.
- 8) A bass was painted on the head of the bass drum.
- 9) When shot at, the dove dove into the bushes.
- 10) I did not object to the object.
- 11) The insurance was invalid for the invalid.

*I am Confused...*



- 12) There was a row among the oarsmen about how to row .
- 13) They were too close to the door to close it.
- 14) The buck does funny things when the does are present.
- 15) A seamstress and a sewer fell down into a sewer line.
- 16) To help with planting, the farmer taught his sow to sow.
- 17) The wind was too strong to wind the sail.
- 18) Upon seeing the tear in the painting I shed a tear.
- 19) I had to subject the subject to a series of tests.
- 20) How can I intimate this to my most intimate friend?

### Let's Face It:

English is a crazy language. There is no egg in eggplant, nor ham in hamburger; neither apple nor pine in pineapple. English muffins weren't invented in England or French fries in France. Sweetmeats are candies while sweetbreads, which aren't sweet, are meat. We take English for granted. But if we explore its paradoxes, we find that quicksand can work slowly, boxing rings are square and a guinea pig is neither from Guinea nor is it a pig.

And why is it that writers write but fingers don't fing, grocers don't groce and hammers don't ham? If the plural of tooth is teeth, why isn't the plural of booth, beeth? One goose, 2 geese. So one moose, 2 meese? One index, 2 indices? Doesn't it seem crazy that you can make amends but not one amend? If you have a bunch of odds and ends and get rid of all but one of them, what do you call it?

If teachers taught, why didn't preachers praught? If a vegetarian eats vegetables, what does a humanitarian eat? Sometimes I think all the English speakers should be committed to an asylum for the verbally insane. In what language do people recite at a play and play at a recital? Ship by truck and send cargo by ship? Have noses that run and feet that smell?

How can a slim chance and a fat chance be the same, while a wise man and a wise guy are opposites? You have to marvel at the unique lunacy of a language in which your house can burn up as it burns down, in which you fill in a form by filling it out and in which, an alarm goes off by going on.

English was invented by people, not computers, and it reflects the creativity of the human race, which, of course, is not a race at all. That is why, when the stars are out, they are visible, but when the lights are out, they are invisible.

PS. - Why doesn't 'Buick' rhyme with 'quick'?

## Grammar + Laughter (Present Continuous)

Fill in the blanks using the words given below and enjoy the jokes.

(trying, telling, drowning, chewing, flying, using, waiting, looking, giving)

- > The police are .....in for a man with one eye called Smith.  
>> What's his other eye called?
- > Tell the passengers that I have both good news and bad news for them.  
>> What's the good news?  
> We are.....ing in perfect weather and we are making excellent time.  
>> And what the bad news?  
>We're lost.

(It's Paul's first day at his new school.)

- >> Excuse me, young man, are you .....ing gum?  
> No, sir. I'm Paul Welsh.

(Two sisters are in bed together.)

- > Are you asleep?  
>> I am not ..... you

> Come out of the water. Swimming is not allowed here.

>> But I'm no swimming, officer. I'm .....ing.

> What is the difference between a post box and an elephant?

>> I don't know.

>Well, I'm not .....ing you this letter to post.

(A small boy is standing next to an escalator. He is looking at the hand-rail.)

> "Is there something wrong?", asks a shop assistant.

>> No. I'm just .....ing for my chewing gum to come back.

(A man is having a meal in a restaurant)

> Waiter, this meat is very tough. What is it?

>> The problem isn't the meat, Sir. You're .....ing to eat the plate.

> Why is your cat looking at me?

>> Probably because you're .....ing its bowl.

(Answers: looking, flying, chewing, telling, drowning, giving, waiting, trying, using)

# ARISE...AWAKE...

Mr. Rakesh Roshan [M.Sc, M.Tech],  
Department of Physics



*Arise, Awake. Stop not till the goal is achieved.....*

Yes, a very great statement which has reminded time and again, the very purpose of human birth. Irrespective of all the obstacles that one faces in his/her life, one should always be moving forward to achieve the ultimate goal (God).

Oh my goodness... What is this, this is all going above my head, this is saying something about human birth, God etc.....all are bouncers, I can't take them. What is the relevance of the above statement to me i.e. a IIT STUDENT.

For a Student, this simply means always be conscious of your goal, **work with complete dedication to achieve the goal.**

Goal... For an engineering student, what will be the goal, to get a B.Tech degree in 4 years? (Least of all the goals indeed), what is big deal in that, one will get it anyway.

As a IIT student, do you think the goal before us is just to get a degree? **No, Not at all.**

First of all, how many of us have a goal? Let us say the goal of a student is to get a dream job i.e. a very good position of high repute.

- ◆ Are we utilizing our time fruitfully towards achieving the goal?
- ◆ Are we serious about our career; are we serious about our life?
- ◆ Are we, at any point of time, think of our parents who are working under the scorching sun, facing all the odds/difficulties for the simple reason of making our lives here comfortable?
- ◆ Are we serious about the responsibilities that we have towards our dependents?
- ◆ Are we not in a much better position from the point of view of **resources** provided to us for a good education? (Compared to our

friends elsewhere).

- ◆ Are we using these resources or are we more interested in misusing the resources provided?
- ◆ Are we here to just waste time discussing junk with others and spoiling them also?
- ◆ Are we not wasting this **precious time of our career** by keeping ourselves engaged mostly in all non-sense things (movies, chatting (mail/phone) etc)?
- ◆ Are we becoming better day by day, year by year or are we degrading ourselves?
- ◆ Are we at least aware of the competition that we may face after passing out of B.Tech? (Are we preparing enough to face it).
- ◆ Last, but not the least, **“Are we cheating ourselves?”**



**This is for each one of us to answer**, Please remember the simple fact that **Time lost once is lost forever**, Utilize the present available with you, Plan your time for productive things.

You should never face a situation in your life at a later stage wherein you start regretting “If only I would have utilized my stay at IIT, I wouldn't be facing all these problems now”.

Remember the ultimate fact that **it is we who either make us or break us.**

I sincerely pray and hope that all of you excel in your respective fields, bring good name to your family, become great citizens of our country.

Finally, let me end with a quote.

**“Learn the ABC of life, Always Be Cheerful, Always Be Careful”.**

## Inspiring words By Chethan Bhagat:-

Don't just have career or academic goals. Set goals to give you a balanced, successful life. I use the word balanced before successful. Balanced means **ensuring your health, relationships, mental peace are all in good order**. There is no point of getting a promotion on the day of your breakup. There is no fun in driving a car if your back hurts. Shopping is not enjoyable if your mind is full of tensions.

"Life is one of those races in nursery school where you have to run with a marble in a spoon kept in your mouth. If the marble falls, there is no point coming first. Same is with life where **health and relationships** are the marble. Your striving is only worth it if there is harmony in your life. Else, you may achieve the success, but this spark, this feeling of being excited and alive, **will start to die**. .....

One thing about nurturing the spark – **don't take life seriously**. Life is not meant to be taken seriously, as we are really temporary here. **We are like a pre-paid card with limited validity**. If we are lucky, we may last another 50 years. And 50 years is just 2,500 weekends. Do we really need to get so worked up? .....

It's ok, bunk a few classes, scoring low in couple of papers, goof up a few interviews, take leave from work, fall in love, little fights with your spouse. **We are people, not programmed devices**....."

**Don't be serious, be sincere.!!!**



The length of Great Wall of China is equal to the border of Africa.

- » Dolphins, as a matter of protection, won't close one of its eye while sleeping.
- » 1462 types of insects are eaten by human beings.
- » The tail of peacock is known as Train.
- » There are more than ten billion web pages on the Internet.
- » Beethoven, before singing a song, used to dip his head in cool water.



The height of Eiffel Tower increases by 15cm in summer season.

- » Even though it is never featured on any best-selling list, the Bible still is the world's best selling book.
- » Till 1909, there is no garage for keeping cars in White House. There is only horse stud.
- » The clock present on the parliament building of British is Westminster Clock. Big Ben is the 13 tonne Minutes hand.



In the pure milk (not mixed with water), 87% of it contains water only.

# Silly Point

- » Tokyo has had 24 recorded instances of people either killed or receiving serious skull fractures while bowing to each other with the traditional Japanese greeting.
- » Burma is the only country where the cars are right hand-driven and driven on the right side of the road.
- » When Alexander Graham Bell passed away in 1922, every telephone served by the Bell system in the USA and Canada was silent for one minute



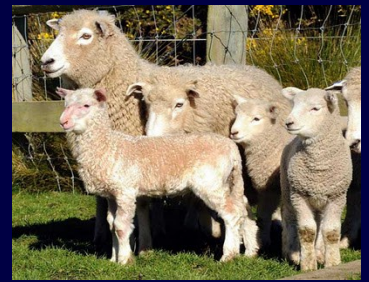
Oscar committee honoured Walt Disney with Oscar Award for creating Mickey Mouse.

- » Intoxicating liquid, Morphine is named after the Greek's god of dreams Morpheus.
- » A company in Taiwan makes eating plates with wheat, so that we can eat both plate as well as food.
- » The content of sugar is more in lemons than in strawberries.
- » Portugal, Denmark, San Marino, Vatican City, Monaco are the countries in Europe which possess only one country as neighbor.



There are exactly 336 dimples on a regular golf ball.

- » Picasso could draw before he could walk and his first word was the Spanish word for pencil.
- » Los Vegas is the city which is seen brightly from the atmosphere than any other city.
- » All over the world, men commit suicide 3 times greater than women. But suicide attempts are made by women three times greater than men.
- » The unemployment percentage in Andorra is 0%.



The copulation of Goat and Sheep produces a new animal called Geep

- » If we want to send a 1kg substance in spaceship to space, it requires 530 kgs of fuel to leave the Earth.
- » Of all the substances, cow milk causes more number of allergies in human beings.
- » Peladophobia is the unreasonable fear of getting bald head.



Rice has more varieties than any other fruit or vegetable, nearly 15,000!

- » Till today, 4,000 minerals were discovered, but only 200 are important for us.
- » Los Vegas is the city which is seen brightly from the atmosphere than any other city.
- » Horror faces can be remembered for long time than laughing faces.



Indians know the taste of mangoes since 3,000 years. But the rest of the world knew it just 3-4 hundred years back only.

## Cow Compass

A German-Czech research team recently analyzed Google Earth satellite images of 8,510 cows in more than 300 herds scattered across six continents and came to a surprising conclusion: Cattle consistently align with the magnetic north pole just like our magnetic compass does. The satellite took the images on different

days and under different conditions to check whether the atmosphere could influence their orientation towards north pole but nothing worked out. Scientists also determined that their alignment is completely independent of the environmental factors like sun, wind and temperature etc.



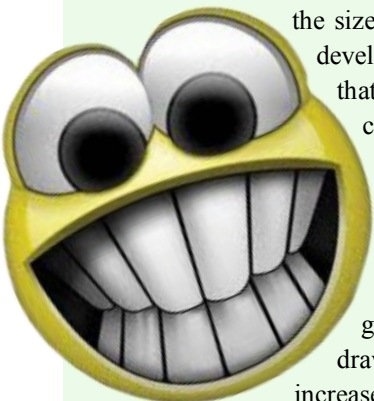
Researchers claimed that this type of peculiar behavior caused by magneto-reception (an ability to detect fluctuations in earth's magnetic field). Until now, Bats were the only mammals to have this and use this internal compass. So from now on, don't be confused with directions. Just take a cow along with you!

## Why do we show our teeth when we smile?

At last scientists found the reason for our toothy smile. It can be traced back to a time when our primate ancestors showed their teeth to frighten enemies-behavior still common in apes and other mammals.

Sometime after the ancestors of humans and chimpanzees diverged, around five to seven million years ago, an important physiological change occurred: Their large, strong canine teeth began evolving into the smaller, more flattened canines, or cuspids, we have now. But scientists disagree over exactly why this happened. Some paleoanthropologists believe that the size of canine teeth was a hindrance to developing a bigger brain. Others said that their change in diet rendered sharp canines.

Now their previously intimidating canines are of no use. Our ancestors learned to face their foes with sticks or rocks. As language developed, attention was drawn to the mouth during speech. This increased focus made facial expressions so important, and the smile...teeth and...all was born.



## IED: A Techno Bomb

Now a days it's been so common for the terrorists to blast the cities. Here's the one which makes them to do these destructions with ease, that is IED (Improvised Explosive Device). As the name suggests, it is purely improvised. We can use it without any preparation. Naturally, usage of IEDs is adopted by military and defense forces. But, the terrorist groups, who owned this technology, aimed at violence. IEDs have become more popular in India after their usage in the recent blasts at Mumbai. The unique feature of this device is that, some IEDs cannot even be detected by bomb-squads!



The technology involved in making IEDs is as same as it is in fireworks. A highly powerful explosive substance is placed in a small box, maybe a small tin of coke. It is blasted with the help of a fuse and battery. The specialty of this device is that, the intensity of explosiveness is versatile. Handling this instrument is quite simple, it can be blasted-throwing by a hand, buried into the ground or by placing it in the motor vehicles. As a result of these amazing techniques, it is named as *Improvised*. Generally IEDs use chemical TNT (Tri Nitro Toluene). They can even make it more worse by adding some harmful bacteria, radioactive matter and poisonous substances.

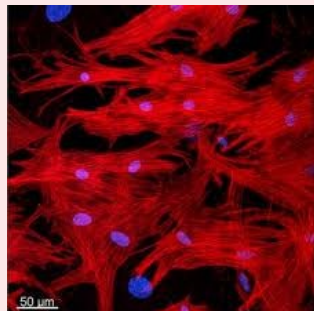
Depending upon our requirement, IEDs can be operated in various ways. One form is by the application of pressure and they can be controlled from far away places using remote controllers and cellular mobile phones. The intensity of the explosion can be enhanced up to 100 times by adding some exploding chemicals. So be careful.

## Telepathy is Possible?!

You may idly wish you could hear what others are thinking yet write off telepathy as science fiction. But one day, the ability to read people's minds may not be a talent reserved for psychics and the X-Men. A group of neuroscientists at the University of California, Berkeley, reported they may have come up with a scientific way to read people's minds. Led by post-doctoral researcher Brian Pasley, the scientists have developed a method for deciphering the electrical signals in a person's brain as they listen to words or conversation. Upon figuring out these signals, they were then able to use them to recreate the imagined speech of the same person. The secret to their method lies in the temporal lobe of the brain, which is used in auditory perception. When a person hears a word or phrase being spoken, the activity that occurs in the temporal lobe also occurs when the person imagines that same word or phrase. "The area that performs a cognitive or behavioral function is also activated when you imagine that function. For example, let's say you raise your right arm. Then if you imagine raising your right arm, the same areas that were active when you move your arm are working when you imagine it."

## Diseased hearts to heal themselves in future

It is now planned to improve the self-healing powers of the heart with the help of a protein. Scientists from the Max Planck Institute have identified a protein which fulfils a central task in this reversion process by stimulating the regression of individual heart muscle cells into their precursor cells. In order to regenerate damaged heart muscle as caused by a heart attack, for



example, the damaged muscle cells must be replaced by new ones. Simpler vertebrates like the salamander, adopt a strategy whereby surviving healthy heart muscle cells regress into an embryonic state. This process, which is known as dedifferentiation, produces cells which contain a series of stem cell markers and re-attain their cell division activity. Thus, new cells are produced which convert, in turn, into heart muscle cells.

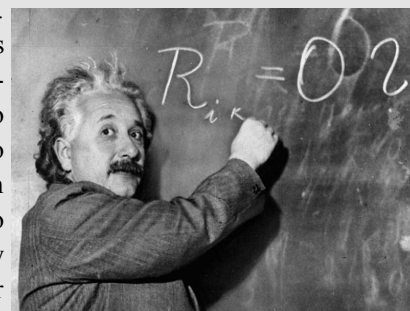
Initially they discovered the molecule which is responsible for controlling this dedifferentiation of heart muscle cells in mammals. At first the scientists noticed the high concentration of *Oncostatin M* in the tissue samples from the hearts of patients suffering from myocardial infarction. It was already known that this protein is responsible for the dedifferentiation of different cell types, among other things. The researchers therefore treated cultivated heart muscle cells with oncostatin M in the laboratory and were then able to trace the regression of the cells live under the microscope. Based on certain changes in the cells, they were able to see that almost all heart muscle cells had been dedifferentiated within six days of treatment with oncostatin M. This should be understood as an indicator that these cells had been switched to a repair mode.



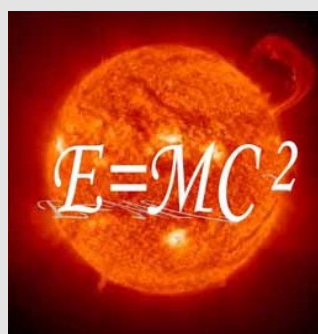
## Roll over Einstein: Law of physics challenged

One of the very pillars of physics and Einstein's theory of relativity— that nothing can go faster than the speed of light— was rocked by new findings from one of the world's foremost laboratories.

European researchers claimed that the subatomic particle called neutrino which has almost no mass moving faster than the light. According to Einstein's Special theory of relativity going faster than light is not supposed to happen. It is “a revolutionary discovery if confirmed”, said Alan Kostelecky, who has worked on this concept for a quarter of a century.



France's National Institute for Nuclear and Particle Physics Research collaborated with Italy's Gran Sasso National Laboratory on the experiment at CERN. CERN reported that a neutrino beam fired from a particle accelerator near Geneva to a lab 454 miles (730 kilometers) away in Italy traveled 60 nanoseconds faster than the speed of light. Scientists calculated the margin of error at just 10 nanoseconds. (A nanosecond is one-billionth of a second). If it is confirmed many of our laws



of physics would go wrong. Because of its major implications on physics, the researchers spent months checking and rechecking their results to make sure there were no flaws in the experiment.

## Smallest Electronic Chip

Our life in RGUKT is unimaginable without electronic gadgets. Starting from a smart phone to LAN, laptops and a lot more, we live and move in an electronic world. So let us know something about it..

Do u know what is the major challenge that the software professionals are facing in the design of a computer which we all use?

It is to control the ever increasing amount of heat produced by integrated circuits. The wires in an electronic circuit interact with one another when packed so tightly together. Surprisingly, a scientist found that the effect of one on the other can be either positive or negative. This means that a current in one wire can produce a current in the other one that is either in the same or the opposite direction. This suggests a need to revise our understanding of how even the simplest electronic circuits behave at the nanoscale. Recently a team of scientists, led by **Guillaume Gervais** from McGill's Physics Department and **Mike Lilly** from Sandia National Laboratories, has engineered one of the world's smallest electronic circuits. It is formed by two wires separated by only about 150 atoms or 15 nanometers. This discovery could help to solve the major challenge of heat produced by the integrated circuits thereby increasing the efficiency of electronic circuits. Isn't it a good news for gadget lovers!



— **Sandeep R, B083245, 313, CSE, E2**  
**Amulya Deepthi, B081208, 113, ECE, E2**

This article is about world's third richest man Warren Buffet, who had donated \$31 billion to charity. Don't get shocked. Just think, how pure and broad his heart is. I insist you all to take him as an inspiration and help poor whenever you have an opportunity to do (of course, you will do that regularly in our campus). I will present some interesting aspects of his life. Read and Enjoy!!

▶ He bought his first share at age 11 and he now regrets that he started too late.

▶ **Things were cheap that time.**

▶ **Encourage yourself to invest early.**

▶ He bought a small farm at age 14 with savings from delivering newspapers.

▶ **One could have bought many things with little savings.**

▶ **Start some kind of business with your savings.**

▶ He still lives in the same 3-bedroom house in mid-town Omaha, that he bought after he got married 50 years ago, He says that he has everything he needs in that house. His house does not have a wall or a fence.

▶ **Don't buy more than what you "REALLY NEED" and encourage your friends to do and think the same.**

# Man or Money?

▶ He drives his own car everywhere and does not have a driver or security guards around him.

▶ **You are what you are.**

▶ He never travels by private jet, although he owns the world's largest private jet company

▶ **Always think how you can accomplish things economically.**

▶ His company, Berkshire Hathaway, owns 63 companies. He writes only one letter each year to the CEO's of these companies, giving them goals for the year. He never holds meetings or calls them on a regular basis.

▶ **Assign the right people to the right job.**

▶ Warren Buffet does not carry neither a cell phone nor poses a computer on his desk.

▶ Bill Gates, the world's second richest person, met him 5 years ago. Bill Gates did not think he had anything in common with Warren Buffet. So he had scheduled his meeting only for half an hour. But, the meeting lasted for ten hours and Bill Gates became a devotee of Warren Buffet.

**His advice to young people :-**

▶ **"Stay away from credit cards (Bank loans) and invest in yourself and Remember."**

⇒ Money doesn't create man but it is man who created money.

⇒ Live your life as simple as you are.

⇒ Don't do what others say, just listen to them, but do what you feel good.

⇒ Don't waste your money on unnecessary things, just spend on them who really are in need.



⇒ After all, it's your life. Why do you give chance to others to rule your life?

So, my friends. We, the students of IIT-B should take him as an inspiration and try to be like him. At the end, it's not about money, its only the man who is in everyone's heart. Going by stats and surveys of magazines he may not be the richest person in the world. But going by the hearts of the people he is surely the richest.

So just think , it's Man Or Money ..... !!!!!

— **Talla Vijay Kumar, B092882, 213, E1**



# India- Still Struggling for Independence

If I ask you “*Which is the biggest problem that India is facing?*”, then many of you may answer poverty, corruption, unemployment, inflation, illiteracy, etc. But I'd like to say that, other than these problems, there is another great problem which is the core reason for all the above mentioned problems. That is “*The exploitation of Indian wealth by Foreign Companies*”

Yes it's true! This is the biggest problem India is facing. Let's see how.

There are almost 5000 foreign companies running their business flawlessly in India. Some of them had directly established their branches in India. (Ex:- Coca-Cola, Johnson & Johnson, Hindustan Lever Ltd, etc.) and some of them had collaborated with some Indian companies (Ex:- Maruti-Suzuki, Hero-Honda, Ashok-Leyland).



These companies manufacture wide variety of products like soaps, shampoos, clothes, cosmetics, soft drinks, tobacco products, dairy products...etc. One company can manufacture many kinds of products. And the name of that product need not to be same as that of company.

For example Coca-cola company manufactures many soft drinks like Thumps Up, Pepsi, Maaza, Sprite, etc. Whatever, all these companies aim to sell their products in India and earn profits and with that, they develop their own countries.

As an example, consider “Hindustan Lever Ltd.” This is the biggest foreign company in India. By name, it appears to be an Indian company. But in reality, it's not. It's original name is “Unilever company” It is a foreign company owned by tycoons belonging to Britian & Holland. It manufactures wide variety of products. It was established in India 65 years ago. The initial paid-up capital (investment) to establish this company was only 33 lakhs. But you may be astounded to know that it earned a profit of 14,750 crores of rupees till date.

So, on an average they incurred a profit of 225 crores per annum. All these money is being transferred to their own countries and used for their development. Remember that these statistics are acknowledged officially. But the original amount (unofficial) is very far from our estimation.

This is the case with one company. Try to imagine the impact of 5000 more companies of this kind. It is estimated that, on an average, 12,00,000 crores of rupees were being transferred from India to foreign countries per annum as a part of this egoistic business (where earning products is the only agenda rather than attending people's needs).

The Prime Minister, CM's, MP's, MLA's and other elite community of India are well familiar with this unsporting business system. But nobody dares to change the system. Because it is they who grant permission for foreign companies to establish

their branches here so that they (politicians) may be blessed with some gifts (bribe).

We frequently listen to the news like “PM or CM is going for a foreign visit for few days”. Can you guess why ?? They go there not for recreation or relaxation. They go there to invite some more foreign companies to initialize their branches in India or in any state which he/she is representing to. So, if the deal is done with a foreign company, then the company owners has to pay some hundreds of crores of rupees as bribe to these *so called officials* in order to grant permission. So, whenever they (politicians) feel that there is a shortage of money in the treasury, then they'll plan for a foreign visit.

## WHAT IS THE GOVERNMENT DOING ??

When asked “Why do you allow foreigners to establish their companies in India ??”, the government confidently puts forward the following justifications:-

- 1) Country will be benefited with huge amount of investments and profits.
- 2) The advent of new technology takes place with advent of foreign companies.
- 3) India's exports increase (because manufacturing increases) implies India's business in the world-market increases.

## Are all these justifications true ??

No, not at all. Not even a single justification is true. The statistics of the past few years tells us some different facts. Let's see them. Let me also prove one by one how these justifications are in contrary to the reality.

### The First :-

Developed countries like US,UK are facing a lot of financial problems in their countries due to lack of investments. Because the loans given to the people were not repaid. They are trapped in the hands of people. As a result, banks were closed. Consequently, companies are closed (because companies save their money in banks). So, when they face such financial crisis, how can they bring large investments to India? And they'll transfer those profit to their countries. So, the first justification is proved false.

### The Second:-

Government officials claim that latest technology in manufacturing can be acquired due to the advent of foreign companies. But this is not at all happening. Because, almost all the foreign companies which currently exist in India, manufacture products like soaps, shampoos, pastes, powders of all kinds, oils, clothes, soft drinks, etc. All these products are zero technology (continued in the next page)

products i.e., no advanced technology is required to manufacture these products. Most of them are hand-made. Moreover, no country is ready to give its latest technology to other countries. In the case if it gives, It will be either out-dated or unprofitable. So the second justification is also proved wrong.

### The Third:-

In 1840's, when there is only one foreign company (East India), India used to be the world leader in business. It used to have a share of 33% in the whole world's business market.

It means out of 100 goods sold in the world, 33 goods were manufactured in India itself. That too, exclusively by the Indian manufacturers and using Indian technology. But as the number of foreign companies increased in India, our (purely Indian) share in the world market has remarkably decreased.

1840's	— 33%
1975	— 0.5%
1990	— 0.05%
Now	— 0.5%

What do we infer from above statistics ?

These tell us that, India's business i.e., India's exports gradually decreased as number of foreign companies increased.

So, third justification is also proved false.

### **The Inception:**

In 1840's, Mughal emperor “Jahangir”, for the first time granted license for “East India Company”, only one company. And everyone of us know what is the aftermath of this event (mistake). This led to the slavery of India for almost 100 years. And India became poor. 4,50,000 civilians and 6,32,781 martyrs had to sacrifice their lives to regain India's independence.



### **Present Situation:**

Today we have hundreds of Jahangirs' and thousands of foreign companies. Who knows the same situation may re-emerge. So, it becomes inevitable for us to accept the fact that “India's Independence is still in stake”. Nobody will fall from sky to get us out of this problem.

Government officials are never bothered about this problem, they are just obsessed only for money, filling as many sacs as possible. It's we, the people of India, who has to quest for a solution. This is the right time for us to revolt.

### **WHAT CAN WE DO ???**



If you buy any product like soap, shampoo, cosmetics..etc., the profits will be enjoyed by the owner of that corresponding foreign company. Because, at present in India, almost 85% of the

products are manufactured in foreign companies only.

So, for the next time when you buy any product, check whether you know the person who ultimately receives the profit.

I'll exemplify this for you.

Suppose you want to buy some vegetables, You have two alternatives. One is that you can buy them in a vegetable market and second in any super market, say 'Spencers'. If you buy in Spencers, the ultimate profit is enjoyed by owner of Spencers (who is a foreigner), but if you buy them in market, the profit receiver is in front of your eyes. He/she will be an Indian. So, eventually your money (though it is small) will be used for your own country.

Try to know which are the Indian companies, their products and try to buy those products only. For example, Baba Ramdev is a serious opposer of this foreign monopoly in India. So, with all his efforts, he established a industry named “Divya Pharmacy” (Pathanjali). It manufactures different products like soaps, shampoos, oils, health drinks, medicines, etc. All the products that satisfy daily needs. These are exclusively Indian products. So, try to use these products instead of using some foreign products like Lux, Pears, Dove, Pantene, Sunsilk, Vivel, Colgate, Close Up, Dettol, Britannia, etc. (The list goes on. It is endless)



We owe innate responsibility of creating awareness among the people who doesn't know these facts. Never consider these facts as trivial and never think what you are doing is small and negligible. Your contribution may be 0.000....001%, even though it's still important. Every paise worth a lot for our country. Remember that “Century starts from one's & two's.”

If you really love your country and care for its betterment, then unveil your commitment by serving your country in this way. Try to give your own contribution. Never bother about the extent of result. Because, someday when the peak time comes, change becomes unstoppable. And after the change happens and when you realize that you are a small part of it, you feel proud of yourself and you really deserve it !

And we, the young blood of India, have a larger responsibility towards these problems of our country. It's high time for us to start dedicating some time for our country everyday. Because

“Abhi Jiska Khoon Na Khola

Woh Khoon Nahi Pani Hai !

Jo Desh Ke Kaam Na Aaye

Woh Bekaar Jawani Hai !!”

**Preetham Kumar. S, B081086, CSE, E2**



# Is India a Democratic Republic?

The preamble to the Indian constitution says that India is a Sovereign, Socialist, Secular, Democratic Republic. Does this description/ definition apply in the present era???

We are pretty clear about the fact that India is the largest democratic country in the world. There's no doubt about that. Looking at the enormous growth of the population, it is very easy to confirm that bread and butter task. In the forth coming 2 decades, it is going to be the largest populated and the largest democratic country in the world. Apart from this, did we ever thought whether the official name, "Republic of India" does make any sense compared to that of preamble?

The word SOVEREIGN elucidates that people have the supreme right to make decisions on internal and external affairs. But, this is not happening. The best example to clarify this is the Nuclear Weapon Dealing with USA. USA has intervened in our external matter and forced us to take the decision. Not only USA, many countries such as Pakistan, China, etc have been interfering in our internal affairs.

The word SOCIALIST explains that wealth should be generated socially and should be shared equally by the society. There should not be any socio- economic inequalities. At present, wealth is generated but not distributed properly in our society. There are many scams such as 2G, Commonwealth Games, etc. revealing us about the unequal distribution of wealth. The government has been sanctioning crores of rupees for the welfare of the society but it is all in vain.

The word SECULAR makes clear that Indian citizens have complete freedom to follow any religion. If that is true, we shouldn't have seen many number of religious riots and differences. There are no equal opportunities for the people belonging to different religions because they are differentiated on the basis of caste system. Why the people cannot enjoy the same status after converting from one religion to other as that of before?

The word DEMOCRACY has a broader meaning. Democratic Government is that where people enjoy equal political rights to elect their representatives. This rather holds good. But, we have to say that it is merely a business. A political drama. The party which distributes/spends more money to/on the people is the ruling party, the next holds and so on. Are people's preferences based on real knowledge? Political parties are using India's poor, illiterate and unprivileged people (who are in large proportions) to turn towards them and the rich and privileged are using the parties for their own needs. Is this what democracy is?

The word REPUBLIC states that the head of the state is an elected representative. In India, Prime Minister is the

elected representative elected by the Indian Citizens. But the local representatives are completely hereditary. For example, the present MLA/MP/Sarpanch's son will be the nominated candidate for the next MLA/MP/Sarpanch. By the way, what is the use of a representative who is a puppet in the hands of somebody else? Why does he hold nominal authority in many of the decisions?

Looking back in the analysis, we should have questioned ourselves, "Being the citizens of India, did we utilize the opportunity of one- person, one- vote, one- value? Does our preferences based on real knowledge? Can an ordinary citizen hope to win elections without spending a single rupee? Have we ever seen overall poling in our country above 90%?"

Being the educated citizens of India, we have the fair chance to change our nation and economy. As a democratic republic, we are provided with each and every opportunity to elect our rulers based on preferences. The political parties are taking the advantage of our nation's poor, illiterate and under-privileged people, who are in large proportion compared to rich and privileged. We, the educated citizens, know what is good or bad, follow the policy of neutrality. We neither participate in the elections nor educate others the importance of choosing the right candidate. Until and unless the people don't melt for the blessings of liquor, currency notes, etc., if we don't even respect the policy of ONE PERSON, ONE VOTE, ONE VALUE no change is going to take place. For the essence of change, everyone needs to have equal information, basic education, equal resources and a lot of commitment from our side.

Thus, we must say that we have transformed the preamble as NON-SOVEREIGN, NON- SOCIALIST, NON- SECULAR, DEMOCRATIC MONARCHY. We, the people/ citizens of India, secured to all our fellow beings Justice, which discriminates citizens on the grounds of caste, creed, religion and gender; Liberty, which restricts the citizens to freely express their thoughts and the way they wish to follow their thoughts; and such an equality which says that all are not equal before law, unequal opportunity for all and discriminations on the socio- economic status and fraternity, which separates all our fellow beings into inferior and superior.

The famous quotation of Democracy given by Abraham Lincoln has been changed from "*Of the People, By the People and For the People*" to "*Of the People, By the People and Not for the People.*" It is our responsibility to change the definition back to its original form. Else, India will be the only developing country in the next century.

— Raja Harish Kumar. M, B083290, 102, ECE, E2



# How "Fiber Optics" Work?

You often hear about fiber-optic cables whenever people talk about the telephone system, the cable TV system or the Internet (with which you are very familiar). Fiber Optics, the technique of transmitting light through transparent, flexible fibers of glass or plastic which are capable of carrying light over long distances ranging from a few inches to 160 kms. We can even expect them in less than 0.00015 inch diameter.

## What are Fiber Optics Cables?

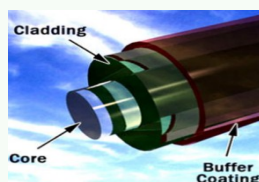
Fiber optic cables (optical fibers) are long, thin strands of very pure glass about the diameter of a human hair. They are arranged in bundles called optical cables.

If you go for the microscopic view of an Optical Fiber, you will definitely come across these parts:

**Core** - Thin glass center of the fiber through which the light travels.

**Cladding** - Outer optical material surrounding the core that reflects the light back into the core.

**Buffer coating** - Plastic coating that protects the fiber from damage and moisture.



They do come in two types:

- 1) Single Mode fibers
- 2) Multi-mode fibers

Single mode fibers are designed for the transmission of a single ray as a carrier and is used for high-speed signal transmission over long distances. They have much smaller cores than multi-mode fibers, and they accept light only along the axis of the fibers.

## How does an Optical Fiber Transmit Light?

Suppose you want to shine a flashlight beam down a long, straight hallway. Just point the beam straight down the hallway -- light travels in straight lines, so it is no problem. What if the hallway has a bend in it? You could place a mirror at the bend to reflect the light beam around the corner. What if the hallway is very winding with multiple bends? You might line the walls with mirrors and angle the beam so that it bounces from side-to-side all along the hallway. This is exactly what happens in an optical fiber.

The light in a fiber-optic cable travels through the core by constantly bouncing from the cladding, following a principle called **total internal reflection**. Because the cladding does not absorb any light from the core, the light wave can travel great distances.

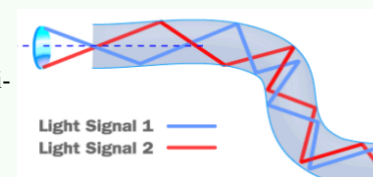
## Total Internal Reflection (TIR)

When light passes from a medium with an index of refraction ( $n_1$ ) to another medium with lower index of refraction ( $n_2$ ), it bends or refracts away from an imaginary line perpendicular to the surface. As the  $\theta$  of the beam through  $n_1$  becomes greater with respect to the normal, the refracted light through  $n_2$  bends further away from the line. At critical angle ( $\theta_c$ ), the refracted light will not go into  $n_2$ , but instead will travel along the surface between the two media.

$$\sin(\theta_c) = \frac{n_2}{n_1}$$

where  $n_1$  and  $n_2$  are the indices of refraction [ $n_1 > n_2$ ].

For Optical-Fibre  $\theta_c = 90^\circ$



## Application of TIR in Optical Fibres

In an optical fiber, the light travels through the core ( $n_1$ , high index of refraction) by constantly reflecting from the cladding ( $n_2$ , lower index of refraction). Because the angle of the light is always greater than the critical angle. Light reflects from the cladding, no matter whatever angle the fiber itself gets bent at, even if it's a full circle!

## Fiber-Optic Relay System :

Fiber-optic relay systems consist of the

- ⇒ Transmitter - Produces and encodes the light signals
- ⇒ Optical Fiber - Conducts the light signals over a distance
- ⇒ Optical Regenerator - May be necessary to boost the light signal (for long distances)
- ⇒ Optical Receiver - Receives and decodes the light signals

## Transmitter

The transmitter receives and directs the optical device to turn the light "on" and "off" in the correct sequence, thereby generating a light signal. The transmitter is physically close to the optical fiber and may even have a lens to focus the light into the fiber. The most common wavelengths of light signals are 850 nm, 1,300 nm, and 1,550 nm.

## Optical Regenerator

Some signal loss usually occurs when the light is transmitted through the fiber, especially over long distances (about 1 km) such as with undersea cables. Therefore, one or more optical regenerators are spliced along the cable to boost the degraded light signals. An optical regenerator consists of optical fibers with a special coating (doping). The doped portion is "pumped" with a laser. When the degraded signal comes into the doped coating, the energy from the laser allows the doped molecules to become lasers themselves. The doped molecules then emit a new, stronger light signal with the same characteristics as the incoming weak light signal. Basically, the regenerator is a laser amplifier for the incoming signal.

## Optical Receiver

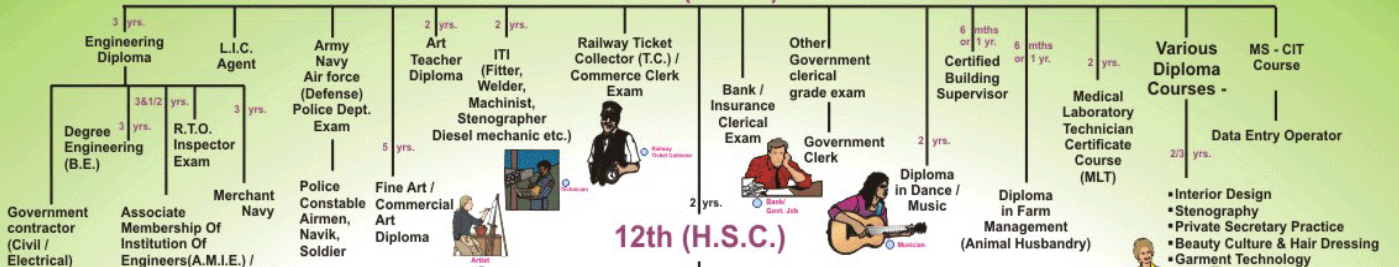
The optical receiver grabs the incoming digital light signals, decodes them and sends the electrical signal to the other user's computer, TV or telephone. The receiver uses a photocell or photodiode to detect the light.

— Maruthi Ram, B081067, 214, Chem., E2

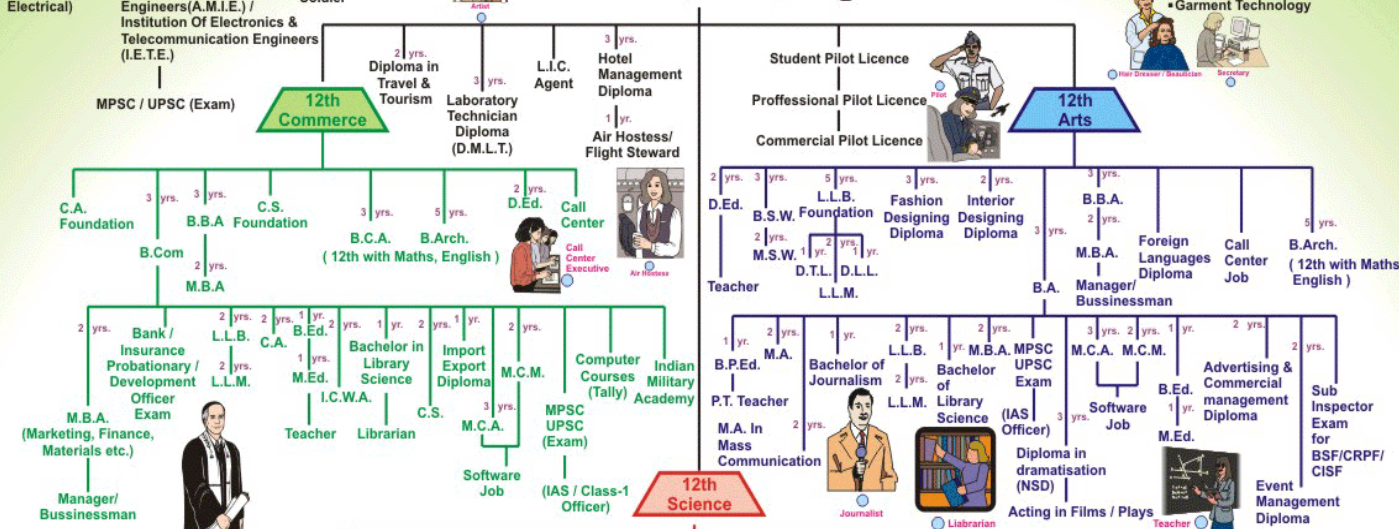
# M-Power's Career Path Finder

Author / Editor - Prof. Vijay Navale / Mahesh Narke

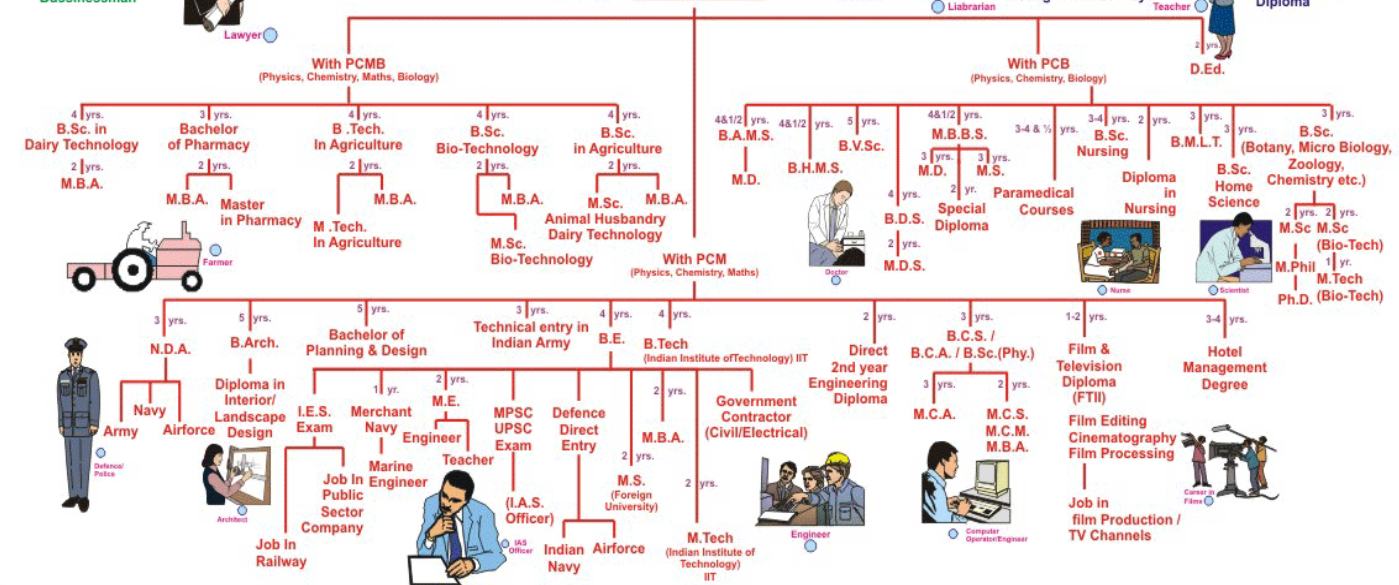
## 10th (S.S.C.)



## 12th (H.S.C.)



## 12th Science



- ▽ At age 24 he was a bus conductor...
  - > **Rajini Kanth**
- ▽ He didn't even completed his University Education...
  - > **Bill Gates**
- ▽ The one who served in Hotels...
  - > **Oberai**
- ▽ In childhood he stitched shoes...
  - > **Abraham Lincoln**
- ▽ He worked in a petrol bunk...
  - > **Dheerubhai Ambani**
- ▽ Education drop out and initially a key-board player...
  - > **A. R. Rehman**
- ▽ Who didn't have proper elementary education...
  - > **Michael Jackson**



So, do things you love to do. Everybody is blessed with some skills. Say "All is Well" and go on.

— M. Raghavender, B091656, 003, E1

గమ్య బాట మార్చి గోతిలో పడమాకు	ఓటమంటే నీవు ఓడినట్లుగా గాదు	హింస నీవకుండు హింసించినా నిన్ను	స్వర్గ మెక్కడుంది సర్వ జగతి లోన
మనసు మాట వినియ్య ముందు కెళ్ళు	గెలుపు దరిని జేరు మలుపు గాదె	ఒదిగి యుండవలయు ఓర్పు తోడ	స్వర్గ నరకములకు మార్గ మేది
మనసు మార్చి నీవు మనీలోన కలవకు	అనుభవంబు తోడి అనుకున్నది గెలుగు	ఓర్పు హింసకుడికి మార్పు కావచ్చును	వాటి మార్గ మేది ఉండడని తెలుసా
తేట మల్లె పూల తెలుగు బాట!	తేట మల్లె పూల తెలుగు బాట!	తేట మల్లె పూల తెలుగు బాట!	తేట మల్లె పూల తెలుగు బాట!

-M. Bhiksham, B083039, 112, ECE, E2

**Who Is She???**

I love the Peace  
But She Doesn't love it at least a piece  
I love to see her Perfection  
But, She said "My Perfection is not in my  
Hands to change and to get it."

I wandered how she likes injustice  
And how she is Great lover of Violence

I Puzzled How she loves Rowdies.  
I Perplexed How she Encourages Bribe!!

I am surprised by Her Attitude  
And inquired about Her Name,

She Said  
"My Name is Society, The Name of People,

You can't change Me(Society)  
But You can change yourself

You can't me make me perfect  
But You can be a Perfect Man"

Then I realized  
"The Change in "I" is Change in the Society'  
"The Change in the Shortest word can  
Make the Biggest Change in Society"

Expecting Change in Society is Meaningless  
If there is no Change in "I"  
Because

Soc"i"ety itself Says  
"I am Meaningless If there is No "i" with me  
(Society is meaningless)'  
— Mahesh. M, B082281, MME, E2

**విజయం నీదే...**

అన్నింటా ఉండు ముందు  
అలా ఉంటేనే మనసుకు విందు  
సమయాన్ని వృధాచేయక సద్వినియోగ పొందు  
సోమరితనానికి ఇక బంధు  
కృషి చేస్తే ఫలితం నీకే చెందు  
విజయం పొంది , వేయు చిందు  
జ్ఞానం పొందు ఎందు అనక ప్రతి దాని యందు  
ఇతరులపై ఈర్ష్యపడక , పోటీపడు చదువు  
సంధ్యలందు  
మనస్సు బాధలో ఉంటే వేయు ఔషధమందు  
ప్రయతించనిదే ఫలితం ఎవరికందు  
ఆడటానికి చూడకు సందు - గొందు  
తొందరపాటు నిర్ణయాలు వద్దు ఏ విషయమునందు  
జీవితాన్ని సరిదిద్దుకో ఈ సమయమందు.

—Yakub Pasha, B092711, E1

**జీవితం**

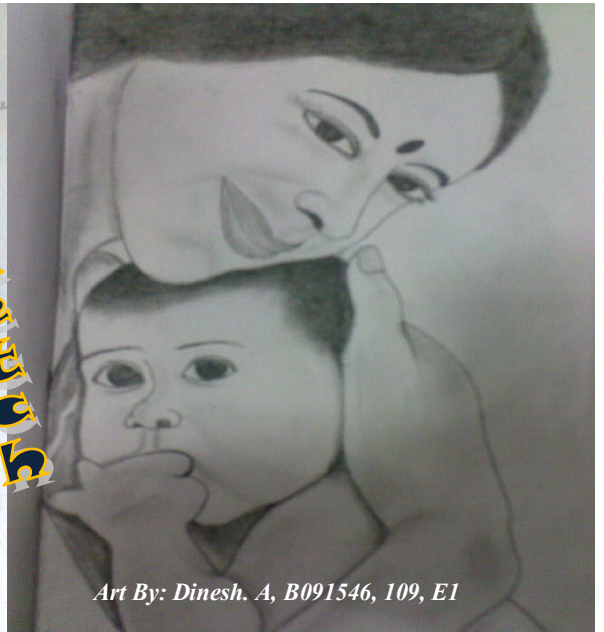
ప్రపంచాన్ని సాధించే నా కలలకు లేదు సాటి  
అణువణువున నను పరిక్షించే కష్టాన్ని దాటి  
చేరుకున్నాను , కలల కోవెల అయిన RGUKT  
సాధిస్తా నా గమ్యాన్ని అందరి హృదయాలను మీటి.  
  
అంటుతెలియని ఈ జీవితం  
నువ్వు రాసే తెల్ల కాగితం  
అందులో పలుకు విజయానికి స్వాగతం  
అదే నీ జీవితానికి చెరగని సంకేతం  
ప్రపంచాన్ని తట్టిలోపే సంగీతం  
  
కమ్మవైన రాగంతో నను మైమరిపించే ఓ కోయిల  
చిరునవ్వుతో ఆహ్వానిస్తున్న నా పక్కకు రా ఇల  
చుట్టు చుక్కల కోవెలలో వెలసిన ఓ వెన్నెల  
నా హృదయాన్ని తడిపావు అందమైన వీణల

—Mamatha, B092818, 314, E1

*Please leave me*



Art By: Bharathi, B083011, Mech, E2



Art By: Dinesh. A, B091546, 109, E1

"కళ"లు

ప : కలలు కన్న కలాం కలలు నిజం చేయ  
 కదలిరండిరా మీరు కదలిరండిరా "2"  
 నవభారత నిర్మాతగా యువభారత యువశక్తిగా  
 కదలిరండిరా మీరు కదలిరండిరా. "2"

Welcome my friends... welcome my friends...

చ : తల్లి తండ్రి కోరికలను అన్నయ్య ఆశలను "2"  
 చెల్లెమ్మ ప్రేమను గురువుల దీవెనను మదిలో నిలుపుకొని  
 కదలిరండిరా మీరు కదలిరండిరా. "2"

Welcome my friends... welcome my friends...

గుండెలోన లక్ష్యం కళ్ళలోన దైర్యం  
 చేతిలోన కలము అందుకో ఫలము  
 కదలిరండిరా మీరు కదలిరండిరా. "2"

Welcome my friends... welcome my friends...

చ : కాలేజి రోజులంటే కరిగిపోయే రోజులని "2"  
 కలలు కనే రోజులనే అనుకుంటే పొరపాటే "2"  
 కదలిరండిరా మీరు కదలిరండిరా .

Welcome my friends... Welcome my friends...

కాలేజి రోజులంటే కష్టపడే రోజులని  
 కలలో కూడ గుర్తుంచుకునే రోజులివేనని "2"  
 కదలిరండిరా మీరు కదలిరండిరా .

Welcome my friends... Welcome my friends...

ర్యాగింగులు, గ్యీగింగ్ లు చేజింగులు లేకుండా "2"  
 వార్నింగులు, గీర్నింగులు, మార్నింగులు లేకుండా "2"  
 జీవితాన్ని చదవాలిరా దేశాన్ని చదవాలిరా .

Welcome my friends... Welcome my friends...

G.Paramathma, B092860, 007, E1

నందన

Beep



बाजि है आतिश कि है यारो जोर है हरसुं किरकिट का  
 इन्डिया वर्ल्ड कप जीता यारो शोर मचा है धूम मचा  
 गलि गलि में मिलकर सब ने है यहि फैलाया.....  
 इन्डिया वर्ल्ड कप लाया यारो, इन्डिया वर्ल्ड कप लाया

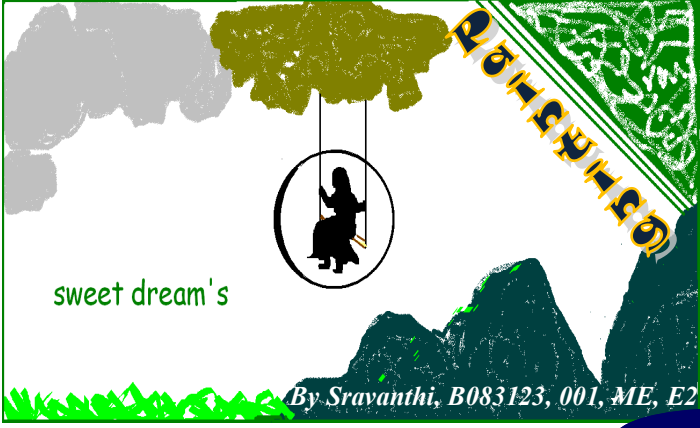
मुल्क में देखो एक अजब माहोल बना माहोल बना  
 चेहरअँ पर खुशियां फैलि है, हर घर को अजब है नूर मिला  
 है ये कमाल ए किरकिट जो दीवाना सबको बनाया.....  
 इन्डिया वर्ल्ड कप लाया यारो, इन्डिया वर्ल्ड कप लाया

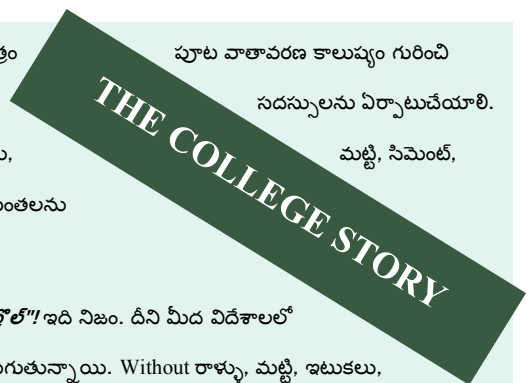
धोनि कि टीम ने मिलकर है रिकार्ड नया बनाया  
 सच्चि, सेहवाग, धोनि, खुराज ने है करके दिखाया  
 किस तराह बजता है देखो लंका का उंका बजाया  
 इन्डिया वर्ल्ड कप लाया यारो, इन्डिया वर्ल्ड कप लाया

बरसअँ के दिल के अर्मा को है पूरा कर के दिखाया  
 माजि के पत्रअँ पर है हम ने डैट नया डलवाया  
 केहना यहि है हमको ये वर्ल्ड कप है अब तो हमारा  
 इन्डिया वर्ल्ड कप लाया यारो, इन्डिया वर्ल्ड कप लाया

दुनिया कि टीमअँ में हमने इमैज है अप्रा बनाया  
 वो टीम हो चाहे औस्ट्रेलिया, है सब को हम ने हराया  
 ये टीम है अप्रि नंम्बर वन इंग्लेंड ने हमको सरहाया  
 इन्डिया वर्ल्ड कप लाया यारो, इन्डिया वर्ल्ड कप लाया

— Jaweed Akhtar, B082832, 113, ECE, E2





ఈ విశాల విశ్వంలో , మన ఇరుకు ప్రపంచంలో ప్రతీది వ్యాపారం అయిపోయింది. పంచభూతాలను అమ్ముకొని జీవించే మనుషులున్నారు. ఈ సమాజంలో గాలిని, రూపాయి, 5 రూపాయలకు, 350 రూపాయలు కూడా అమ్ముతున్నారు. అగ్నిని, కరెంటు పోయ్యలను అమ్మేస్తున్నారు. భూమి అయితే భూమాతకే భయం వచ్చేలా అమ్ముతున్నారు. తద్వారా రైతన్న గుండె గుల్ల చేస్తున్నారు. ఆకాశం ఎవడబ్బసోమ్మనే దాన్ని కూడా మాది, మాది అని అమ్మేయడానికి సిద్ధంగా ఉన్నారు.

వ్యవసాయానికి పెట్టింది పేరైన మనదేశం "రియల్ ఎస్టేట్" భూతంలో ఇంకే 20 ఎళ్ళలో పంట పండించడానికి భూమి ఉండదు. తద్వారా ఇతర దేశాల నుండి దానంగా ఎగుమతులు చేయల్సి వస్తుంది కావచ్చు.

ఇలాంటి ఈ జీవన విధానంలో మరొక్క గొప్ప వ్యాపారం "విద్య". ఇప్పుడు సగం నిరుద్యోగ యువతను నోమరులుగా తయారు చేసేదే గొప్ప వ్యాపారం. చదువును కేజీలల్లో పెట్టి అమ్మేస్తున్నారు. చిన్న పిల్లడికి పుస్తకాల మోత. ఆ పుస్తకాల అంత బరువు కూడా ఉండని వాడికి, వాడికంటే రెట్టింపైన పుస్తకాల మోత. ఆటలు తెలియవు."10వ తరగతి అయిపోయినా బయటి ప్రపంచం గురించి ఒక్క ముక్క తెలియదు. బట్టి విధానమే, మార్కులే వాని ప్రధాన ఎజెండా." వానికి ఎంత knowledge ఉందా అన్నదికాదు! ఎన్ని మార్కులొచ్చాయన్నదే ముఖ్యమన్నట్లుంది నేటి విద్యా విధానం. కానీ ఇలాంటి తరుణంలో B.Tech విద్య, పేద, మధ్య తరగతి విద్యార్థుల జీవితకల. అలాంటి ఉన్నతమైన ప్రమాణాలలో కూడిన విద్యను మన గౌరవనీయులైన కీ.శే. వై.యస్ రాజశేఖరరెడ్డి గారి ఆధ్వర్యంలో మొదలవ్వడం గొప్ప విషయం. ఆయనకి ఋణపడి ఉన్నాం మనం. చాలా విశాలమైన క్యాంపస్, ఎక్కడ చూసిన కంప్లెక్స్ నీ బిల్డింగ్స్ దీని ద్వారా వీటినుండి వచ్చే కాలుష్యాన్ని ఏమీ చేయలేము కానీ!

మన క్యాంపస్ యొక్క "Clean and Green" మంత్రాన్ని ప్రయోగపూర్వకంగా చెయ్యాలి. Collegeకు సరిపడా మొక్కలు నాటాలి. ఒకటి, రెండయిన అందమైన, మానసిక ఉల్లాసాన్ని కలిగించే ఉద్యానవనాలను ఏర్పాటు చెయ్యాలి; బోధకుల విశ్రాంతి కొరకే కావచ్చు, Exam preparation కొరకే కావచ్చు, విద్యార్థుల మానసిక విశ్రాంతి కొరకే కావచ్చు.

క్యాంటీన్ నుండి వెలువడే వ్యర్థపదార్థాలకు అడ్డుకట్ట వేయాలి. క్యాంపస్ గ్రౌండ్ లో ఓ మూలన ఒక మెగా "డస్ట్ బిన్" ఏర్పాటు చెయ్యాలి. క్యాంటీన్ నుండి వెలువడే వ్యర్థ పదార్థాలన్నీ ఈ చెత్తకుప్పలో చేరే విధంగా చూడాలి. వారానికొకసారి సీవర్స్ తో రోడ్లను శుభ్రంగా ఊడిపించాలి. అక్కడక్కడ "Use me" అనే డస్ట్ బిన్ లను చిన్నవైన వాటిని పెట్టాలి. నీటిని ఎక్కువగా వృధా చెయ్యడం వల్ల నీరు నిల్వ ఉండి మురుగువాసనతో పాటు దోమలు స్వరవిహారం చేస్తున్నాయి. కావున నీటిని వృధాచేయకుండా తగిన చర్యలు తీసుకోవాలి. Tapలను సన్నటి దారలాగ వచ్చే విధంగా చూడాలి లేదా Tapలకు rotate చేసే పద్ధతి కాకుండా "ప్రెస్" చేసే పద్ధతి లేదా పైకి క్రిందికి అనే పద్ధతితో Tapలను ఉపయోగించితే నీటిని కాపాడొచ్చు. వచ్చేది ఎండాకాలం కదా!

డామ్ లలో store (వారం రోజుల నుండి) చేసిన చెత్తను sweepers వచ్చి sunday, sunday కలెక్ట్ చేసి తీసుకెళ్ళాలి. వారానికొకసారి క్యాంపస్ మొత్తం "Clean and Green day"గా పెట్టుకొని cleanచెయ్యాలి. రోడ్డుకిరు ప్రక్కల మొక్కలను నాటించాలి.

వారానికొకసారి సాయంత్రం పూట వాతావరణ కాలుష్యం గురించి అవగాహన సదస్సులను ఏర్పాటుచేయాలి. ఈ చెత్తల నుండి రాళ్ళను, మట్టి, సిమెంట్, ఇటుకలను వేరుచేసి, గుంతలను పూడ్చినేయాలి.

**"చెత్తలో పెట్రోల్!"** ఇది నిజం. దీని మీద విదేశాలలో

కూడా ప్రయోగాలు జరుగుతున్నాయి. Without రాళ్ళు, మట్టి, ఇటుకలు, only చెత్త, చెదారం, ప్లాస్టిక్ కవర్స్, ప్లాస్టిక్ వస్తువులు అంతా జమచేసి(టన్నులలో) ఒక గాలి కూడా చొరబడని రూమ్ లో ఉంచి 1800°C వేడిచేస్తే, అంటే ఇనుము కరగనంత వరకు అందులో ప్లాస్టిక్ అంతా కరిగి ద్రవరూపంగా మారుతుంది. దానికి గడ్డకట్టకుండా చేసే కెమికల్స్ కలపడం ద్వారా పెట్రోల్ తయారు చెయ్యవచ్చు.

**విద్యార్థి, విద్యార్థి విద్య విధానం :**

క్యాంపస్ లో కాలుష్యనివారణా చర్యలు బాగానే ఉన్నాయి. కానీ! విద్యార్థి జీవితం డామ్, క్లాస్, డామ్, క్లాస్, డామ్... ఇలానే అయిపోతుంది. నేర్చుకునే వయస్సులో నేర్చుకోకుంటే ఇంకా ఎ వయస్సులో నేర్చుకుంటారు. సమాజం గురించి అవగాహన ఉండాలి. సమాజం లో ఎమీ జరుగుతుందో కూడా తెలియడం లేదు.దీని ద్వారా selfish"గా తయారవుతాడు విద్యార్థి.

24 గంటలుచదివి 100 కు 100 మార్కులు తెచ్చుకోవటం గొప్పకాదు. కరెక్టుగా అన్నివిషయాల గురించి తెలుసుకుంటూ, అన్నింటో participate చేస్తూ 6 గంటలు చదివి 100 మార్కులు తెచ్చుకొన్నవాడే గొప్పవాడు . జ్ఞానాన్ని మార్కులతో కొలవద్దు, జ్ఞానానికి మార్కులు కొలమానం కాదు. ఎందుకంటే 100కు 100 మార్కులొచ్చే వాడు క్షేమా? 100కు 60 వచ్చినోడు కూడా క్షేవరే. వాడికి తెలిసిన జ్ఞానం 100 మార్కుల వాడికి తెలియకపోవచ్చు.

**"Marks is finite knowledge is infinite"**

అందుకే వారం వారం మెగా డిబిట్స్ కండక్ట్ చెయ్యాలి. సమాజంలో జరిగే అన్ని విషయాల పట్ల అవగాహన కల్గి యుండాలి.

మళ్ళీ English Forum కంటిన్యూ చేస్తే బాగుంటుంది. కానీ! ఇంగ్లీష్ మాట్లాడనివారే వచ్చే విధంగా చూడాలి. వాళ్ళనే మంచిగా మాట్లాడే విధంగా తయారుచెయ్యాలి. GKను ఒక సబ్జెక్టుగా పరిగణించాలి. General Knowledge మీద ప్రతి విద్యార్థికి Grip ఉండే విధంగా చూడాలి. Interview skills, communications skills పెంచాలి, నేర్పించాలి.

క్యాంపసులో "సరస్వతిమాతా" విగ్రహాన్ని ప్రతిష్ఠించాలి. ప్రతి ఆదివారము మానసికానందము, ప్రశాంతత, పవిత్రతకొరకు ఎదుగుతున్న వయస్సులో భక్తి భావము కూడా పెరుగుతుంది.

**\* అంతా మన మంచికే అన్ని మన మంచికే \***

G.Paramathma, B092860, 007, E1



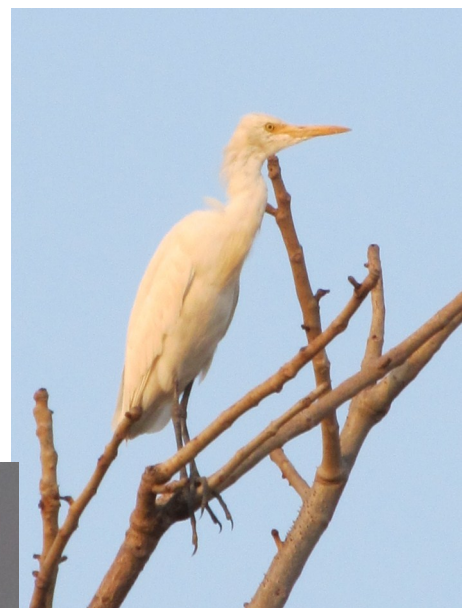
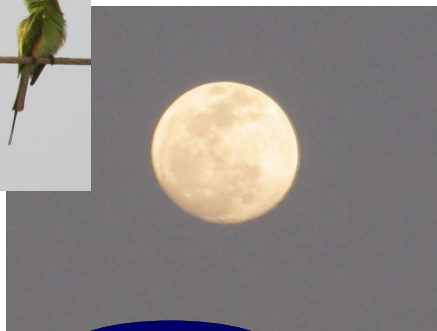


Save Me...

*This is the best scenery which can describe how we pollute the environment. As you can see, it is not at all completely dawn and still the sky is covered with the smoke from the industries. It is a very bad news for the environment lovers that the claws of pollution don't even let them take a small a breath in the morning. It is very unfortunate for us to see the Crops and Industries at the same place.*



*Always sticking to the classrooms, we are in such a busy routine life that we don't even try to enjoy the beauty of the nature. So, try to recognize and have an eye feast of these nature's wonderful creations...*



*Photography : Mr. Prashanth Barsingh  
(Faculty in Chemical Engineering)*



## Pen Out Your Views...

@ Really it's a good idea.

— *A. Sathish Kumar, MME, E2*

@ Magazine is nice. Some articles are very good. Carry On.

— *china.iitb@gmail.com*

@ The e-magazine is very good and interesting. I like the photographs most.

— *sravankumarperka15@gmail.com*

@ The Student is the excellent magazine created by RGUKT students. GK, Mathematics, Science & Technology, Poetry, Humor, etc. are covered in this magazine. Useful messages are given. After reading this magazine, we have known many of the things which we don't know.

— *Manoja Alasyam, CE, E2*

@ I really appreciate you for the idea of student magazine. We will encourage and give hand to move forward this idea.

— *Maheshwari, CSE, E2*

(Your feedback is very valuable for us because the destiny of this magazine will depend upon your feedback. As internet connection is not available at present, please send your feedback to any of our team members by consulting them in person.)

## The Student

Hi Friends!!! I am "The Student", your friend. I am one of the many evaporated ideas developed by the students of IIITB. I took my birth in a casual chat between some naughty friends. I am being published with a mission to inculcate awareness about everything, to everyone. The main reason behind my origin is to invite direct articles from the students, academic and non-academic staff, so that they could be read by many and inspire or change others. Speaking frankly, I am being published with a motto to make IIT's more sophisticated than IIT's, because internal campus magazines played a great role in molding them. I am different from other campus magazines because I am in a very initial stage. It will take some time and space to cover only college issues. Hence I was started with general issues. My sincere advice to you is that, after going through me, you should not confine yourself to just reading, but for the proper implementation of all the ideas. Then I'll be very happy. Hope this mission would succeed.

### My Objectives:-

- ⇒ To plough and extract the already existing creativity among the students.
- ⇒ To develop analytical, thinking and writing skills.
- ⇒ To create research oriented minds.
- ⇒ To bring awareness about what's going in and around our campus.

### My Guidelines for YOU to write articles:-

- ⇒ There are no restrictions for writing articles. It is not necessary that the articles are related to particular field.
- ⇒ Articles related to our campus are given more preference.
- ⇒ Articles concerning current issues are given more preference. (Ex.: Choosing breadths, Anna Hazare, World Economic Blackout, etc.)

### Current Fields:-

- |                         |                      |
|-------------------------|----------------------|
| ▶ On Campus             | ▶ E-Tech             |
| ▶ Editorial             | ▶ Education          |
| ▶ Quick Take            | ▶ Leisure Page       |
| ▶ Language & Literature | ▶ Environment        |
| ▶ Science Updates       | ▶ 'The Student' Art  |
| ▶ Technology            | ▶ Sports             |
| ▶ How Things Work?      | ▶ Career & Guidance  |
| ▶ Mathemagic            | ▶ How It Originated? |
| ▶ Silly Point           | ▶ Miscellaneous      |

Send in your articles, reports, essays, photographs, poetry, cartoons, short stories, humorous content, paintings or anything else that you would like to be portrayed through me to [thestudentemagazine@gmail.com](mailto:thestudentemagazine@gmail.com). Mail me to the same address if you want to join me. I would like to know more about what my readers think and expect from me. Please feel free to chip in with your queries, complaints, compliments, suggestions or any other feedback. Write to me at [feedback.thestudent@gmail.com](mailto:feedback.thestudent@gmail.com). Healthy criticism is highly appreciated.