

# The Student

*e- magazine of edutainment*



The Impetus of English Literature in the Arena of Global Medium of Communication



**RGUKT Collaborates with AAU**



## The Student Team

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### **Special Thanks To**

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The Student team would like to know more about what our readers think and expect from us.

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

Please feel free to chip in with your queries, complaints, compliments, suggestions or any other feedback. Write to us at [feedback.thestudent@gmail.com](mailto:feedback.thestudent@gmail.com). Healthy criticism is highly appreciated.

## **Editor's Note**



Most of us like being stuck to our classes, watching movies and playing games downloaded off the low speed LAN, rather than investigating our own talents in us. Some of us don't even know what is going on in and around our campus.

Most of us have various talents & innovative ideas in different fields, such as drawing creative cartoons, drawings and paintings, writing articles on present issues, science & technology, articles related to education or environment and writing short stories. There is no medium to present these ideas and contributions. This has resulted in a need to present them in a lucid and easily accessible manner. With this motive, we present to you the first edition of **The Student**.

The objective of **The Student** is to encourage and support creativity, writing skills, research oriented thoughts and analytical skills among us. In this first edition, we covered campus news, articles related to language & literature, science & technology, education, environment and articles related to various fields and our campus.

You may think that "What is the use of representing them in the form of a magazine?" With these representations, in the form of magazine, you can have some knowledge on current issues, what is going on in and around our campus with lot of fun and edutainment.

We convey our sincere thanks and gratitude to Mr. Pradeep, Mr. Ram Manas and Mr. Srinivasa Rajaram for their whole hearted support and encouragement and to all our friends who have contributed their ideas and views.

We assure you that we go on improving the magazine in the future with your encouragement and support. We hope that you enjoy reading it as much we did in making it.

**The Editors**

## RGUKT Collaborates With AAU for Research

Rajiv Gandhi University of Knowledge Technologies (RGUKT) and Aalborg University (AAU), Denmark signed a Memorandum of Understanding (MoU) for collaborative research and academic activities. This MoU is signed by Prof. R. V. Raja Kumar, VC, RGUKT and Prof. Ramjee Prasad, Director, CTIF, University of Aalborg. The MoU will facilitate collaboration between the two universities in joint research programs, initiation of new studies and research programs, joint seminars/conferences, European Commission projects, industrial projects, exchange of information projects, exchange training and internship projects for staff and students' etc. This MoU is valid up to Feb 2014.

The ex-registrar, Prof. S. Satyanarayana said "presently, there is no financial liability for the RGUKT for entering into this MoU. Separate agreements will be entered into on case by case within the purview of this



MoU. It is hoped that the present MoU will pave way for high quality and advanced research and other activities by which the faculty and students and the society around at large will be benefited to a great extent in the coming years."

Original research is the guiding force for quality of education in any university. RGUKT has defined its thrust areas

of research and is keen on encouraging research in the focused and other areas of high societal relevance. RGUKT has 12 engineering and science departments.

Aalborg University, Denmark is an internationally reputed university and its Centre for Teleinfrastruktur (CTIF) is a global cross-disciplinary Information Communication Technologies (ICT) Centre at AAU. CTIF embraces globalization of research and education as a powerful tool to achieve breakthrough scientific innovations on a global scale. The ICT sector is of crucial importance to the world's economy and for maintaining an ambience of healthy competitiveness and growth.

CTIF is focused on the fundamental ICT research. The vision of CTIF is to drive and carry out fundamental and transformative ICT research with global impact. It is the Danish strategic site for research and teaching activities covering a wide range of activities, such as satellite systems, electronic components and sub-systems, antennas, propagation, network planning and development, security, applied mathematics, reconfigurable radio technologies, multimedia information, signal processing, socio-economic and management aspects.



## Quiz Competition Has Been Organized

The "Quiz Club" members organized the Quiz Competition among the non-remedial classes on June 26th, 2011 at the New Academic Block- 2. The competition was inaugurated by the engineering faculty members, Mr. Prashanth Barsingh, Mr. Keshav, Mr. Ramulu and Mr. Chenchaiiah. Balaram and Naveen represented the competition. All the sixteen classes actively participated in the competition. Every member of each team showed keen interest to win their own team. This is the first club formed in our campus and we hope that it would be an inspiration for the other clubs (if yet to come). This club started with an aim to provide opportunities for the all-round development of a student.

All the sixteen classes were divided into two groups, viz., Group-A and Group-B through lucky draw. Group-A comprised of classes 203, 207, 210, 213, 214, 302, 312, 313 and Group-B comprised of classes 202, 204, 209, 211, 301, 303, 314. The league matches were held for 6 rounds (GK, Sports, Film Mania, Current Affairs, Science & Technology and Telugu Literature). Due to the elimination of 5 teams

from each group after the league round, the classes which reached the final were 202, 204, 207, 210, 313 and 314. The final round was held for 7 rounds, with Rapid Action round including the above mentioned six rounds. With 42 points, Class-207 won the quiz competition and Class-202 and Class-210 conquered the 2nd and 3rd positions. Class-314 remained as the runners of the championship. The "Man of the Competition" award was given to Nayan from Class-207 and Nandakumar for Class-202 has selected as the "Emerging Player".

As the Quiz competition is successful, the Engineering faculty members are trying to conduct the online quiz in every class, so that each and every student can participate actively. As per the rules of Quiz Club, only 7 members were accepted to participate in the competition from each class. Hence, there was an internal competition among students of each class. It's been a head ache for the Quiz representatives to select 7 from a lot of participants. No one ever expected that the engineering students would participate with such an enthusiasm because it is not at all their subject.

### Mentor as ISRO Scientist

Our Physics Mentor, Mr. Rajaiah has been appointed as one of the six new scientists selected by ISRO (Indian Satellite Research Organization). ISRO conducted interviews in Bangalore in requirement of six scientists on June 16th, 2011. Hundreds of members from all over our country attended it. It is great that Rajaiah Sir got placed in the top six. All the RGUKT staff members and students congratulated him for his success. Mr. Rajaiah said that he had succeeded his dream.

### Registrar Appointed as VC of OU

RGUKT registrar, Prof. S. Satyanarayana got appointed as the new Vice Chancellor of Osmania University, Hyderabad. We convey our whole hearted thanks for the service he has offered since the establishment of our university (2009– 2011). Meanwhile, Mr. Niranjana Chari is acting as the Joint Registrar of RGUKT.



## Engineers Create the World That Has Never Been

Truly speaking, engineers create the world that was never before. The future engineers of our campus are also creating the new world that never existed. As you see in the picture, you can observe the students washing their clothes on the newly constructed floor, which was meant for play ground. Due to the non availability of water in the afternoons and evenings (now-a-days, water is not supplied even in a single bathroom), our Director Sir gave permission for installing two water tanks outside the Boys Hostel-1. Taking this as an advantage, boys started bathing and washing clothes in the nearby premises of the tanks, as well as in the playground. No one is complaining to the higher authorities nor taking the responsibility to stop this activity.



Photo: Ravi Kumar Attem

As the drainage canals are not completely constructed, the water is getting stored in the canals, thereby increasing the debris. Students are also adding plastics in the form of shampoo and soap covers, which obstructs the flow of water in the canals. Since the water is stagnant, the mosquitoes and other micro organisms population is increasing rapidly, which may lead to several diseases. The rains are yet to come and once if they start flooding, it will be more difficult for us to sustain the epidemic diseases. So, it's better to carry the water from the tanks to the nearby bathrooms (which were on the first floor) and wash clothes, thereby making the proper use of bathrooms.

### Reign of Exams

PUC- I students have successfully completed their first year course in RGUKT. They completed their End Semester Exams (P1, Sem-3) on July 5<sup>th</sup>. Engineering Students have completed their remedial exams on July 13<sup>th</sup>. Soon, within 2 weeks, the E- I students are going to complete their 1<sup>st</sup> year engineering course in RGUKT by the end of August and will be divided into their respective streams.

### New Faculty

New faculty members have been appointed for the new engineering batch. They are here to teach in several engineering departments in IIITB. At present, 17 faculty members have been arrived here and it is officially informed that within 20 days, more are expected to come. They include: Two from Mathematics, three from Chemical, one from Chemistry, two from Civil, one from Physics, three from Material and Material Sciences, three from Mechanical and two from ECE. This increases the total faculty members in IIITB to 59.

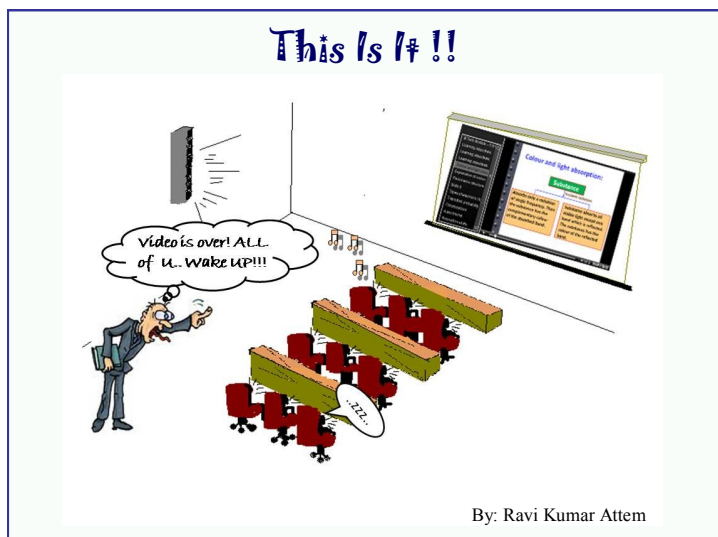
### Still in Dilemma

The engineering students are still facing dilemma in selecting the appropriate engineering branches. Most of the faculty members received complaints saying that students are forced to select the branch not of their interest but that of their parents or friends. Still many of them don't know the real structure of each branch. It is important that they should take suggestions from their parents, guardians or friends, but the ultimate decision should be made by them, because, they are the persons going to study, not their parents or guardians. If they get the branch which is of not their interest, they are going to suffer for their whole life. Faculty members gave an excellent idea that every student must be counseled for selecting branches, same as in case with the other colleges. So that many of the students will get the branches they desired.



### Once Again...

Non- remedial senior students misused their precious time few days before simply leaving the college in connection with the remedial classes. As the remedial students were taught some special classes, most of the senior students left for home, nearly for one month. Special class room sessions are allotted for the non- remedial students relating every subject to learn something new and different, to conduct activities which help the student gain some extra knowledge relating every field and to remove the stage fear among them. The classes ran effectively for a week. Since then, students lost their interest in such classes and started leaving for their homes without any reason. Only 10-15 students are remained in every class room and hence the faculty members couldn't teach anything to the students who didn't leave.



By: Ravi Kumar Attem

# Where Are We?

Rajiv Gandhi University of Knowledge Technologies, International Institute of Information Technology, the most reputed universities established in Andhra Pradesh to provide the high quality education (as same in the case of IIT's) for the economically backward, rural, intelligent students, especially from government schools. But, are the standards in IIT's able to compete with IIT's? Or even a normal state university? (except, borrowing and extra 'I' doesn't mean we are more sophisticated than IIT's).

The most important thing we have to consider here is the mindset of student studying in IIT's and IIIT's. "IITians are unconventional in their methods. Even though they may not know something, they have the confidence to look up a reference and do the job. In a sense, IITians are definitely smarter in the way they go about things. There is something about the education here (IIT's)", a highly reputed IIT, Bombay official said. Do we have the same confidence (about ourselves) which they possess, after studying three years in RGUKT?

One question must arise after saying this, "What makes IIT's so special?" As a student, I can say that the organizational skills of us have decreased a lot after joining in this institute. No one of us feels the responsibility to handle or tackle any situation directly or indirectly. As in case with IIT's, all the activities, whether they may be academic, cultural, sports etc. There will be separate student organizations for every activity, with an in-charge from the faculty side to handle it properly. But here, we are expecting the participation from the higher authorities to handle them. That's the only difference. Until and unless we turn off our laptops, our brain will not turn on.

IIT's possess clubs on different fields. Sports club, wild life club, dance club, music club, cultural club etc. Each club will take care of its own field. For example, wild life club take care of all the wild life in and around their campus (of course, we could not find much wild life here).

IITians used to bunk the classes, IIITians don't bunk the classes, IITians don't bother about whatever the dress they wear, whether they brush, bath before coming to class. But we are more sincere in this regard. Then why are we not competing with them? We have been provided with the laptops, lectures and modules (content) based on IIT standards, then where are we lagging? Why are they thinking practically and logically and why can't we? Why aren't we not moving beyond our theoretical knowledge? The quality of our academic input is very high. The college authorities have been spending crores of rupees on preparing the modules. Are we doing any sort of favor from our side?

Taking of three years progress, we can proudly say that we have too large academic blocks, large hostels for boys and girls separately, proper mess, 5000 students, laptop for each student, internet facility, watching new movies within two days of their release, faculty from reputed IIT's etc. But have we ever thought of how many science-fair/techfests conducted? The number of cultural programs organized, the number of sports meets held, number of fresher parties organized, the number of clubs started, number of students participated in national or international meets, number of national/international conferences held?

No, we never think of them. This is the area we are lagging. The active participation of students is very essential for all the above mentioned activities. Student participation is the only key for the all

round development of any university. But, what are we doing? Simply sticking to the content provided, only caring about the exam, the CGPA which we will acquire after days of hard work. We can compare this with a frog in a well. It only cares about itself and well is its only world. It never matters what the outside world comprises of. If we go on the same, we will be left with nothing, only CGPA, to fill our resumes.

One thing we have to be positive about our university is the faculty from IIT's. But, are we utilizing them properly. We have to remember a saying that "Teacher will not tell you everything. You need to extract everything from them." They had the fame of studying in the most reputed colleges of the world. They are very bold with talent and experience. Are we extracting at least 0.000...0001 % they know?

We cannot blame university for the infrastructure at present. Until and unless the interest arises in the hearts of us, nothing could happen. Nothing could stop when we are bold with interest.

We, the IIITians, don't have the enthusiasm and zeal the IITians had in their lives. We don't even interact with juniors to discuss anything relating to our college or whatever else. We are provided with laptops and they are our only lonely friends. (We don't even bother about the person sitting beside us). We sit in front of them from morning 8 to evening 10, not even blinking the eyes for a second. If we go on continuing in the same manner, are we going to cope with IITians? You too know the answer — NEVER.

Taking the example of Science Fair, which is going to be held few months later. Can you find any participation from the students? First of all, the students are not interested in presenting the ideas they had. Can you find any participation from the students to organize it? Then how does the interest develop among the authorities to conduct it? If this is the case with IIT's, IITians show more interest to present their ideas to the world, there will be a student organizing committee with in-charge from faculty to organize the science fair, etc. Thus everything will be organized by the students themselves. Until and unless the confidence saying "Yes, We could handle this" develops among us, we could do nothing.

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 realize 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. These kind of initiative thoughts must be developed among us.

After all, I wish to say that "Until and unless we turn off our laptops, our brains will not turn on." Question yourself "Where are we?"

All these points were taken from the words of our faculty members, during the class hours. I am giving more preference to their views because they have seen the things we could never imagine. Still are you feeling that "Why is he wasting his and our precious time? Why is he talking about, which is impossible here?" Don't grow hate upon me, after saying all this, because I am also one of the IIITians, Your Friend...

- Raja Harish Kumar, B083290, 112, E-I



## The Change Starts With 'ME'

I spend 'x' hours of my time to chit chat with my friends on the issues like negligence, water scarcity, pollution, Environment, plastic waste, poverty, indiscipline, unemployment etc. I chit chat on all these issues daily. Suddenly, one day in the evening, I thought of myself and asked, "Am I contributing anything from my side to all these achievements?". I remembered some of my contributions as an IITian and I am discussing some of them here.

I, as an IITian, buy one pen — made up of complete plastic, not reusable and costs three rupees— per week from the stores (stores in mess). Thus, I buy approximately 48 pens in a year. Multiply it by 5000 and it is 2,40,000 pens in a year. These pens have to be dumped in to the garbage. Even if I assume that these pens are picked up and recycled, it includes transport (from IITB to recycling industry and back to IITB). The transportation uses fuel and causes environmental pollution. Recycling of plastic costs three times more than producing fresh plastic. Here 'cost' means the **energy and matter invested in it**. So, I cannot say that these pens are recycled. Definitely, these should be dumped into garbage. You know how dangerous is the plastic and adverse effects of it on human beings.

I don't turn off my laptop while I am watching the video lecture on projector. Sometimes I forget to turn off my laptop or switch off the power supply, when not in use. Thus, at an average, I waste 2 hours of charging per day. This wastes 730 hours of charging a year. When turned to the campus, it is around 36,50,000 hours of charging per year. Electricity has to be produced by the coal and it causes green house effect, global warming and all sorts of pollution that you know. Thus, causing **wastage of electricity**.

When the whole world is facing energy crisis, we use 24 hours fans and lights in the dorms and 16 hours in the class rooms. We turn on the lights in the afternoon also when sunlight is bright enough. We forget to switch off, no no ... neglect to turn off fans and lights while leaving the dorms because we are not paying the bill directly. This is also the **energy waste**.

Even when IITB facing problem with water scarcity, I wash my hands with drinking water from the water cooler. Thus, I **invest energy** unnecessarily in terms of cooling and purifying (electricity). We waste colossal amount of food (in our mess) while all the countries over the world, including India, face food crisis. It is the **wastage of matter**.

I copy all the notes (reading materials) from the content into my note books to read them in the dorm. I copy the notes completely because I can't take laptop to dorm. I copy them mechanically (not in sense of EM) i.e. without understanding, in the hope that I go through them in the dorm. This **wastes my time** and also the note books i.e. **the wastage of the matter**. Say for semester, I use at least 6 note books, per year 3 x 6 (18) note books. Think how many trees are cut down to make 18 x 5000 (90,000) notebooks.

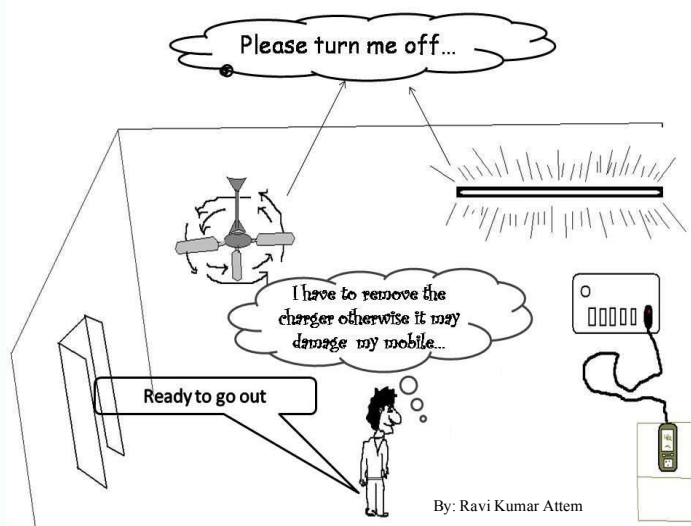
My intention is not to stop you from preparing notes. Preparing notes is useful when notes contains what you understand or what you do not understand in brief. It should be prepared after understanding the module. Notes does not mean reproducing the same as in the reading material. Preparing notes in the above manner **saves time as well as energy**.

We do often blame administration and authorities for all the environment foot print that we caused. We spend a lot of time in discussing how to take care of environment, make proposals and modifications to industries. But we never think of what we are doing, how much pollution we are causing .

**Environment is not merely concerned with the trees and the birds. It is more associated with the energy and matter that used to make the things. Hence, every small wastage of energy or matter has a great impact on the environment.**

You may ask: "What can I do with all these plastic garbage and electricity?". "When do I have enough time to take care of all these ?". Instead of cribbing about all these things and discussing about them, we can do several things: switch off lights and fans when not in use. Save water in mess and don't wash hands with drinking water, use reusable pens (refill can be changed) or at least not the 3/- pens and turn off your laptop when not in use. Switch off all the electrical appliances when you are leaving the room and avoid polythene covers. If you reduce 'x' hours of chit chat to '0.4\*x' hours, '0.6\*x' hours of time can be created (No, not in the pure physics sense).

At last, let us stop saying "Nothing is going to change". Let us say instead "**OK, things are bad, but the change starts with me. Let me reduce my own foot print, try to convince others to do the same, object the things that are obviously wasteful or uncalled for and slowly but surely make a difference.**"



# The Impetus of English Literature in the Arena of Global Medium of Communication

Manas Maiti [M.A., B.Ed., MPhil. (Ph.D)],

Department of English.

## Introduction:

Communication skills in English are perceived today by both academics and industry as an important and dynamic aspect of individual personality. Communicating means an action + reaction = interaction, between two or more people. Study of Global English literature will help us acquire better communication skills, among other benefits.

## English Literature in the Global Arena:

English literature is written on the basis of the history of England. Literature is composed in English by the writers not necessarily from UK or USA. For example, Robert Burns was Scottish, James Joyce was Irish, Dylan Thomas was Welsh, Edgar Allan Poe was American, V.S. Naipaul was born in Trinidad, and Vladimir Nabokov was Russian, but all are considered important writers in the history of English literature. In other words, English literature is as diverse as the varieties and dialects of English spoken around the world. In universities, the term often labels departments and programmes using English in secondary and tertiary educational systems. Despite the variety of authors of English literature, the works of William Shakespeare and John Milton remain important throughout the English speaking world. Indian English literature (IEL) refers to the body of works by writers in India who write in the English language and whose native or co-native language could be one of the numerous languages of India. It is also associated with the works of members of Indian Diaspora, such as V.S. Naipaul and Salman Rushdie, who are of Indian descent. It is frequently referred to as Indo-Anglian literature. Indo-Anglian is a specific term in the sole context of writing that should not be confused with the term Anglo-Indian. As a category, this production comes under the broader realm of postcolonial literature- the literature in English from previously colonized countries such as India.

## Culture and Communication Through Indian Writing in English :

Raja Rao's *Kanthapura* is Indian in terms of its storytelling qualities. Rabindranath Tagore wrote in Bengali and English and was responsible for the translations of his own work into English. Dhan Gopal Mukerji was the first Indian author to win a literary award in the United States. Nirad C. Chaudhuri, a writer of non-fiction, is best known for his "The Autobiography of an Unknown Indian" where he relates his life experiences and influences. P. Lal, a poet, translator, publisher and essayist, founded a press in the 1950s for Indian English writing in the contemporary period. R.K. Narayan is a writer who contributed over many decades and who continued to write till his death recently. He was discovered by Graham Greene in the sense that the latter helped him find a publisher in England. Graham Greene and Narayan remained close friends till the end. Similar to Thomas Hardy's Wessex, Narayan created the fictitious town of Malgudi where he set his novels. Some criticize Narayan for the parochial, detached and closed world that he created in the face of the changing conditions in India during the times in which the stories are set. Others, such as Graham Greene, however, feel that through Malgudi they could vividly understand the Indian experience. Narayan's evocation of small town life and its experiences through the eyes of the endearing child protagonist Swaminathan in *Swami and Friends* is a good sample of his writing style.

## Our Present Need: Dynamic Communication :

Webster's Encyclopedic Dictionary, defines communication as giving, receiving and exchanging of information and ideas with another person or a group of people. That communication skills in English are important is clearly recognized by most educational agencies including the UGC which has suggested making Communication Skills in English as a compulsory subject. On the basis of such demands, English Literature/language is to be taught to help students of all the branches and disciplines of study to improve their communication skills in their respective fields of study.

## **The Relevance of Communication in Inter-Disciplinary Pursuits:**

Technical subjects such as medicine, engineering, applied and basic sciences as well as technology are all taught using English in most Indian University. Learning English as a subject will help the students and teachers of these disciplines to communicate well in their subjects. However, this "Subject of English" should focus more on the communication skills – how to communicate effectively using English in normal day to day life as well as in the context of professional communication.

We also need to recognize that the study of current English literature, written by writers from many countries, is not a barrier to learn communication skills. These will provide appropriate social contexts. These also help our students to gain knowledge of the global conditions and thus enable them to seek employment around the world and live in those contexts with some understanding. Apart from these ultimate benefits, students also develop the process of communication skills and learn the basic and applied language skills useful for the study of different subjects such as Arts, Science, Management, Engineering, and Medicine, etc.,

## **English is a Global language :**

It is a matter of fact, that English language is so widely spoken, it has often been referred to as a "world language", the lingua franca of the modern era, and while it is not an official language in most countries, it is currently the language most often taught as a foreign language. Some linguists believe that it is no longer the exclusive cultural property of "native English speakers", but is rather a language that is absorbing aspects of cultures worldwide as it continues to grow. It is, by international treaty, the official language for aerial and maritime communications. English is an official language of the United Nations and many other international organizations, including the International Olympic Committee and Commonwealth Games. English occupies the prime position among nations in the contemporary multi-national and global business environment. Within every corporate sector in India, and in the field of academics, professionals do communicate in English on major economic, personnel, media and other related issues. The academicians and the professionals use English to strengthen their general concepts in verbal and non-verbal and in written communication for achieving the required results in educational institutions and in the corporate business world. Most of the books, magazines, and newspapers written in English are available in many countries around the world, and English is the most commonly used language in the sciences with Science Citation Index reporting as early as in 1997 that 95% of its articles were written in English, even though only half of them came from authors in English-speaking countries.

## **Global Skills Through a Global Language and Global Literature :**

This increasing use of the English language globally has had a large impact on many other languages, leading to language shift and to claims of linguistic imperialism. English itself is now open to language shift as multiple regional varieties feed back into the language as a whole. For this reason, the 'English language is forever evolving'.

## **Study of Global English Literature will help the following:**

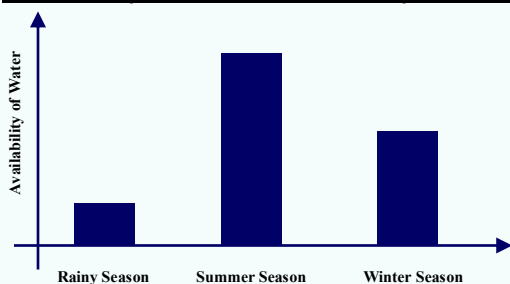
1. Study of English literature will help improve human and interpersonal relations.
2. Study of English literature will help achieve effective verbal and non-verbal communication skills.
3. Study of English literature will help overcome the barriers to communication.
4. Study of English Literature will equip students and professional to have an understanding of emerging global culture and global business norms.
5. Study of English Literature will continue to enrich the national languages, cultures, business, political and judicial institutions.



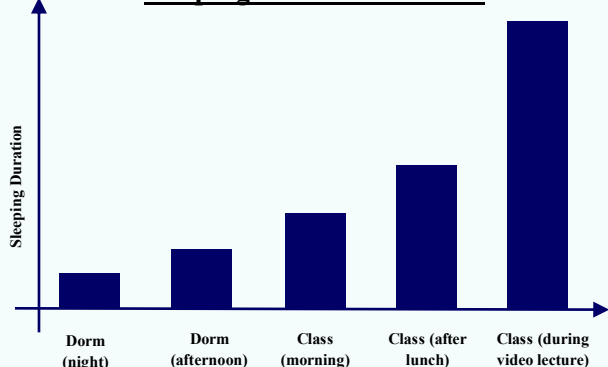
## Tips to Crack End Sem

- 1) First, realize that your GPA does not matter. There is always next sem.
- 2) If even after this, you want to keep studying, we suggest you to spend your scarce time studying rather than familiarizing yourself with the working of laptop and multi-desktop.
- 3) You could also put alarms in mobile and laptop, instead of studying— they will make you feel organized.
- 4) Each sem has different portions for end sem— but knowledge is our supreme goal. So, read everything from the 1<sup>st</sup> sem.
- 5) Make good friends (HRT's, Faculty Members, friends through G-mail, security guards)
- 6) Maintain good eye sight— you could cover 10 laptops. Use spectacles if necessary.
- 7) Ask your friend to maximize brightness and to adjust screen at 90° just before the exam commences.
- 8) Improve your network and download all the previous question papers with key from RK Valley and Nuziveedu. Mug them up (with correct options— A, B, C, D, ...).
- 9) If you encounter any question with options as “All the above”, “None of these”, “both a and b”, “0”, “1”, blindly tick that option.
- 10) Even after implementing these tips, if you feel difficulty, just close your eyes, move your cursor in all directions and click the option whichever the cursor points out. This is evergreen tip in IIITB.

### Probability of Water Availability in IIITB



### Sleeping Duration in IIITB



## Alphabet of RGUKT

Here are the alphabets of our prestigious university, which you must learn compulsorily. These are the basics to survive in the campus. It's better you start from the beginning so that you can master the studies here. These are very important because everybody has to master alphabets before promoting to the higher studies...

- ☺ A = Attendance (we go to class only for this)
- ☺ B = Bunk (after attendance)
- ☺ C = Chatting (Only 8 hours per day)
- ☺ D = DVD (We remember it only day before holidays)
- ☺ E = Eenadu (One and only judicial use of internet)
- ☺ F = Flash games (Next to movies)
- ☺ G = G-mail (The primitive tab in Mozilla)
- ☺ H = Holidays (Always/ Still waiting for...)
- ☺ I = Internet (Heart and Soul of IIITB)
- ☺ J = Junk food (More preferred than mess food)
- ☺ K = Knowledge (Synonym of IIITB)
- ☺ L = Laptop (Life Partner)
- ☺ M = Movies (Please put them in share...)
- ☺ N = Notice Board (Regular check up)
- ☺ O = Out Pass (Brahmastram, the outgoing weapon)
- ☺ P = Postpone (Let us see in the next magazine)
- ☺ Q = Queue (Wherever you go, 'Q' follows in IIITB)
- ☺ R = Reading Material (Break time , just relax)
- ☺ S = Sleep (It's time for the video lecture)
- ☺ T = Terminal (python -m SimpleHTTPServer 8080)
- ☺ U = Upma (Favorite breakfast of IIITB)
- ☺ V = VLC (Open with...)
- ☺ W = Water (Mirage of IIITB)
- ☺ X = X- pel (Go home without out pass)
- ☺ Y = Yawn (hhhhhhhaaaaaa!!!!!!!...)
- ☺ Z = (.)Zip (Extract here...)

# Have We Found Cure for AIDS?

HIV- AIDS... the disease that has been ..... the human race for two decades... the disease that took away millions of lives...the disease for which no medicine has found yet...Are these your views regarding AIDS? Then you have to disagree with the last view because internet reports claim that a medicine for AIDS has found unexpectedly. An AIDS sufferer treated for leukaemia three years ago seems to have maintained a resistance to HIV.

Stem cells have been credited with all sorts of medical magic. Now it looks as if they may have cured a man of his HIV infection. Stem cells from bone marrow, which are also found in circulating blood, have the ability to form blood cells including the white blood cells that fight infection. These are the cells that are attacked by the virus, crippling patients' immune systems.

Back in 2007, the patient, Timothy Ray Brown, who lives in Germany, was treated for his leukemia with a bone marrow transplant containing stem cells from a matched donor. Those cells had extra potency because they were taken from someone with natural resistance to HIV conferred by an extremely rare genetic mutation.

The transplant, carried out at the Charite University of Medicine, Berlin, was a success and the donor's immunity seems to have been passed to Brown. The latest report on the treatment shows that the HIV resistance appears to have been retained. The researches conclude that their results strongly suggest that a cure for HIV has been found in this patient. Now, three years later, the man shows no sign of leukemia or HIV, according to a report in the journal "Blood."

"It's an interesting proof-of-concept that with pretty extraordinary measures a patient could be cured of HIV," but it is far too risky to become standard therapy even if matched donors could be found, said Dr. Michael Saag of the University of Alabama at Birmingham.

"Transplants of bone marrow - or, more commonly these days, of blood stem cells - are done to treat cancer, and their risks in healthy people are unknown. It involves destroying the person's immune system with drugs and radiation, and then replacing it with donor cells to grow a new immune system. Mortality from the procedure or its complications can be 5 percent or more", Saag said.

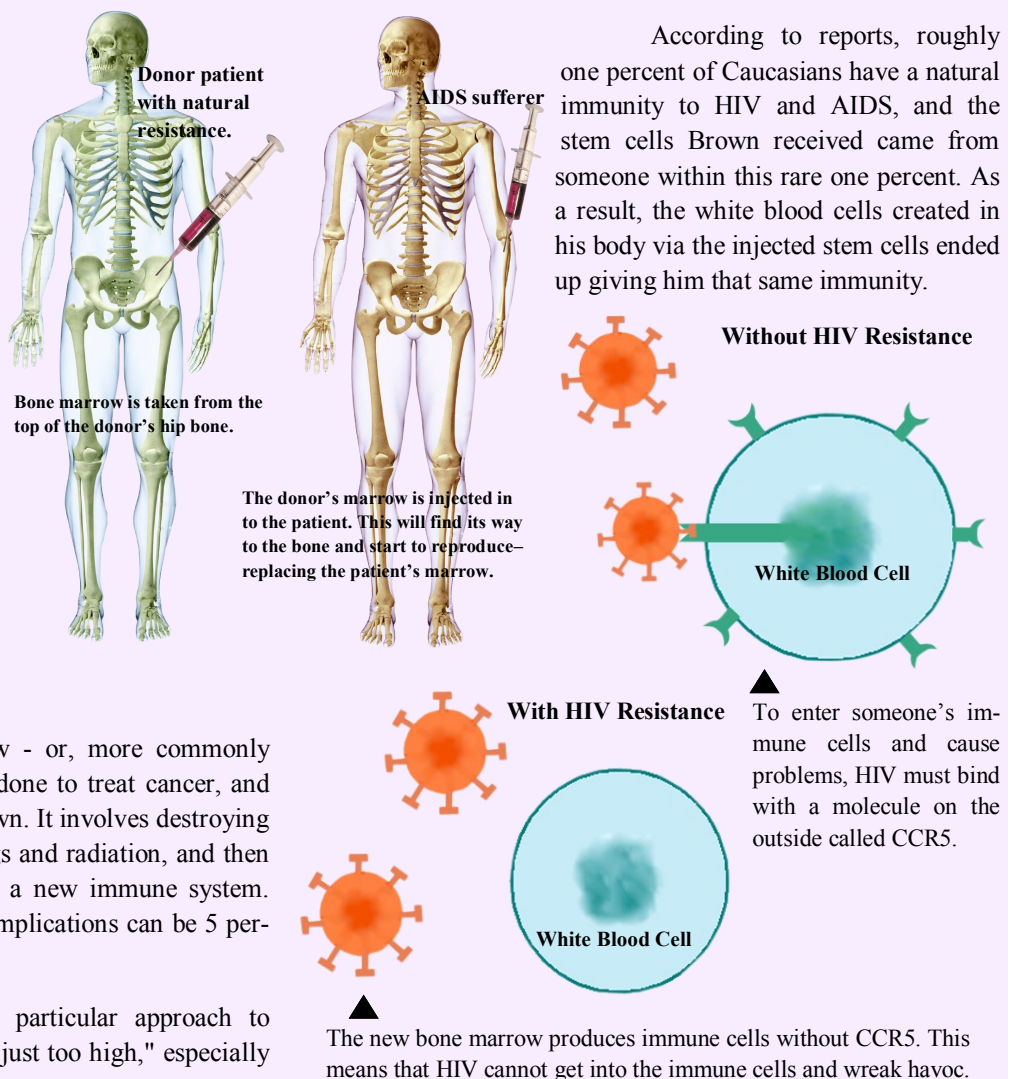
"We can't really apply this particular approach to healthy individuals because the risk is just too high," especially

when drugs can keep HIV in check in most cases, Saag said. Unless someone with HIV also had cancer, a transplant would not likely be considered, he said.

When the man's case surfaced two years ago, Dr. Anthony Fauci, director of the National Institute of Allergy and Infectious Diseases, said the procedure was too expensive and risky to be practical as a cure but that it might give more clues to using gene therapy or other methods to achieve the same result.

Around 40 million people worldwide are infected with HIV and an estimated three million die each year with the virus. So does one man's apparent recovery herald the dawn of a cue for millions across the world?"The answer to that is no", says Dr. Ian Williams, senior lecturer in the Center for Sexual Health & HIV Research at University College London Medical School. "It's very interesting, but to apply this sort of treatment on a large scale is totally impractical. This was a stem-cell transplant, an extremely expensive procedure, so it should not raise hopes for the millions of people with HIV across the world." It would also be impossible to find a bone marrow donor with this genetic mutation for everyone with HIV- it's patient in only one percent of Europeans.

According to reports, roughly one percent of Caucasians have a natural immunity to HIV and AIDS, and the stem cells Brown received came from someone within this rare one percent. As a result, the white blood cells created in his body via the injected stem cells ended up giving him that same immunity.



## How it Works?

So you thought you knew everything. Well the answer may pop up to “just about” because you are “educated” and are well armed with all the scientific knowledge of the western world. But apart from that, you may not be familiar with the things that you're using in daily life. Here I am talking about the touch screens. I think you're familiar with touch screens but you may not know how it works?



Photo Courtesy: Google

The basic idea is pretty simple-- when you place your finger on the screen; it changes the state that the device is monitoring. Human body is conductor of electricity, so when you touch the screen with your finger, a slight amount of electrical current is drawn with creating a voltage drop. The touch screens are made with electrical circuits such that it will indicate the location exactly where you are touching according to the change in voltage. The touch panel is placed over a display screen so that the responsive area of the panel covers the viewable area of the video screen. The embedded serial controller in the touch screen calculates the touch location coordinates and transmits them to the computer for processing. When the coordinates where you are touching matches with the coordinates of the display there will be a response of the output movement according to your finger movement.

There are so many different types of touch screens are there, for example,

- Resistive touch screens,
- Capacitive touch screens and
- Infrared touch screens.....etc

But the basic touch screen has three components

### 1. Touch sensors

A touch screen sensor is a clear glass panel with a touch responsive surface. There are different types of touch sensors. Each uses a different method to detect touch input. The sensor generally has an electrical current or signal going through it and touching the screen can cause a voltage or signal change. This change is used to determine the location of the touch to the screen.

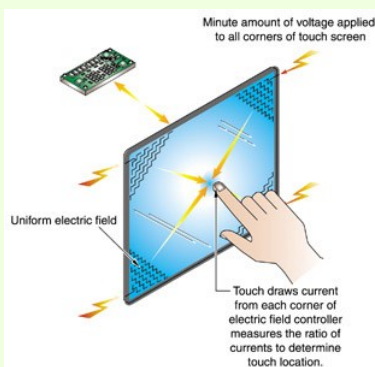


Photo Courtesy: Google

### 2. Controller

Controller is a device which is used to connect the touch sensor with PC (personal computer). It transfers the information from the sensor and translates it in to information that PC can understand.

### 3. Software Driver

The driver allows the touch screen and computer to work together. It tells the computer's operating system how to interpret the touch event information that is sent from the controller.

- Ravi Kumar Attem, B083280, 207, E- 1

## Let's Explore the Dreams...

I think it was 10:00 pm when I started my journey to my home in my car. In the mid way I lost my control and got hit by a big tree. Suddenly I opened my eyes and came to know that it was only a dream but it made me restless all over the night. The next day I started thinking what could be the meaning of my dream. Not only me, everybody does. Now let's talk about some common dreams and their interpretations.



You might have encountered a dream in which you may feel like falling off a cliff or a building. Sometimes may be sinking in water. Generally it means that you are feeling insecure and lacking support in your real life. This dream can occur when you are completely drowned in problems and ready to give up your life.

In an average life time, one will spend 2,100 days in dreaming.

It's very usual that a person dying in our dreams. The person maybe you or the one you like the most. If you are dead in the dream it forewarns that you are being influenced by negative people. Seeing your dead parents, siblings, friends or relatives in your dream, may mean you fear of losing them.

You often experience a situation where a devil comes in your dream. It indicates that you fight off the devil, going to defeat your enemies. The ghost of a dead friend/relative in dream suggests you the regret concerning the past relationships with that particular person.

I'm sure that you had dreams about breakfast. It tells you the beginning of a new stage in your life or it indicates that you are thinking about what may be the breakfast in the morning. To eat or cook meat in your dream represents you are seeing others achieve what you are still striving for.

You may enter into a place where trespassing is prohibited. It indicates that your feelings of guilt and allowing yourself to do things that you enjoy which do not needed. To dream that you are an inventor represents your creative side and your strong desire.

Your dreams serve as a window to your subconscious and reveal your secret desires and feelings

The feelings that have been repressed in day time are being expressed in your dream. If you feel fear in your dream it indicates that your achievements are not as you expected. To dream that you are hungry signifies a feeling of unfulfillment in some area of your life like love, wealth, name and fame.

In remembering your dreams you can improve your knowledge, self-awareness and mainly your psychological health. So the more you dream, the better you become.

- Praveen .K, B081074, 314, E- 1

# Last Two Digits of $7^{2345798123714}$

Look at your watch, except replace the 12 with a 0. Now the hour hand points like this  
1,2,3,4,5,6,7,8,9,10,11,0,1,2,3,4,5,6,7,8,9,10.....

This is the way to count in **modulo 12**. When we add 1 to 11, we arrive back at 0 but not 12. In this way all integers can be expressed as 0,1,2,3,.....,11 in modulo 12. We call these integers as **residue classes modulo 12**.

In general, for a natural number  $n$ , the modulo  $n$  residues are: 0,1,2,.....,n-1. In other way all of the integers are same as one of the modulo 12 residues. For example, 2 and 14 are represented by 2 in modulo 12. Then we say that 14 and 2 are congruent modulo 12. We write this as

$$14 \equiv 2 \pmod{12}$$

You can observe the following are congruent

$$25 \equiv 13 \equiv 1 \pmod{12}, 16 \equiv 4 \pmod{12}$$

In the above example you can observe that when 16 is divided by 12 the remainder is 4.

In general, two integers  $a$  and  $b$  are congruent in modulo  $n$ , when  $a-b$  is divisible by  $n$ . In other words  $a \equiv b \pmod{n}$  when  $(a-b)/n$  is an integer. In another way if  $a \equiv b \pmod{n}$  &  $0 \leq b < n$  then we say that  $b$  is the remainder when  $a$  is divided by  $n$ .

For example,  $41 \equiv 1 \pmod{4}$

$$68 \equiv 8 \equiv 2 \pmod{6}.$$

In general, when  $a, b, c$  and  $d$  are integers and  $n$  is positive such that

$$a \equiv c \pmod{n} \text{ and } b \equiv d \pmod{n}$$

You can observe that the following are true:

- 1)  $a+b \equiv c+d \pmod{n}$
- 2)  $a.b \equiv c.d \pmod{n}$
- 3)  $d^r \equiv c^r \pmod{n}$  where  $r$  is an integer.



## What are the last two digits of the number $7^{2345798123714}$ ?

With the above basic ideas in your mind, now you can answer the question. To answer this question, it is sufficient to find the remainder when the given number is divided by 100.

Now, write down the first few powers of 7

$$7, 49, 343, 2401, 16807, 117649, \dots$$

Write down the first few powers of 7 modulo 100:

$$7, 49, 43, 1, 7, 49, 43, 1, \dots$$

You see that last two digits are either 07 or 49 or 43 or 01 when 7 is raised to any integer power. Observe that  $7^4 = 2401 \equiv 1 \pmod{100}$ .

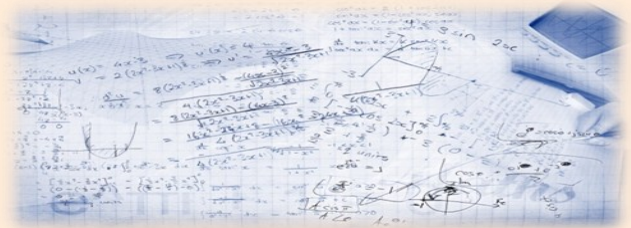
So for any positive integer  $k$ , we have

$$7^{4k} = (7^4)^k$$

$$\equiv (1)^k \pmod{100} \quad (\because 7^4 \equiv 1 \pmod{100},$$

using rule 3)

$$\equiv 1 \pmod{100}$$



Now, we have to write  $7^{2345798123714}$  as  $7^{4(q)+r}$  where  $q$  and  $r$  are integers. By using divisibility rule of 4 (If last two digits divisible by 4 then the number is divisible by 4), we feel that 2345798123714 is divisible by 4 if there is 12 instead of 14 in last two digits. Hence, it gives remainder 2.

$$7^{2345798123714} = 7^{4.q+2}$$

$$\equiv (7^4)^q \times 7^2 \pmod{100} \quad (\because \text{rule 2})$$

$$\equiv (1)^q \times 49 \pmod{100} \quad (\because \text{rule 3})$$

$$\equiv 49 \pmod{100}$$

In general, If you want to find last two digits of  $7^q$ , find the remainder of  $q$  when divided by 4 (using divisibility rule). If remainder is 0 last two digits are 01; if 1, last two digits are 07; if 2, last two digits are 49; if 3, last two digits are 43.

**What are the last two digits  $(\dots((7^7)^7)\dots)^7$  of if there are 12345678915 7s as exponents and only one 7 in the middle?**

The given number is equal to  $7^{7^{12345678915}}$ . From earlier example last two digits of exponent will decide the last two digits of number.

$$7^{(7^{12345678915})} = 7^{4.q+3}$$

$$= 7^{\dots\dots\dots 43} \quad (\because \text{remainder is 3 so last two digits are 43})$$

$$= 7^{4.q+3} = (7^4)^q \times 7^3$$

$$\equiv (1)^q \times 43 \pmod{100}$$

$$\equiv 43$$

Thus the last two digits of the number are 43.

In this way one can find the remainder when one large number is divided by another large number easily and quickly.

**-Raghava Reddy .G, B083285, 302, E- 1**

# Silly Points



In 70 years, human brain can store 10,00,00,00,00,00,000 bits memory. This is equal to 5,00,000 Britannica Encyclopedias.

♣ Once upon a time, Germans believed that tooth pain can be reduced by kissing the donkey.

♣ Sinclair ZX80, the first generation computer has the memory of just 1 kilo byte.



If we use head phones continuously for 1 hour, the bacteria in our ear increases by 700 times.

♣ It is impossible to fold a paper of any size and property more than 7 times.

♣ An American eats 4.02 kgs of biscuits every year. An Indian eats 0.48kgs of biscuits every year



In the total life period of 100 years, one molecule of water live 98 years in seas, 20 months in form of snow, 2 weeks in lakes and rivers and less than 1 week in atmosphere

♣ In 1979, snow storm occurred in Sahara desert.

♣ In ancient Egypt, there is a practice of cutting the hands of the doctor if the patient dies during or after the treatment.

♣ The speed of breaks of glass when it breaks is 3000 miles per hour.

♣ If we recycle 1000kgs of used paper, we can save 17 trees.

♣ Blood travels at about 1,00,000 kilometers every day.



It is impossible to squeeze our nose by opening our eyes.

♣ Before 200 years, people believed that RUM cleans the hair and BRANDY gives strength to the hair very effectively.

♣ Compared to women, men can see small words very perfectly. Compared to men, women can hear small words precisely.

♣ If we want to send a 1kg substance in spaceship to space, it requires 530 kgs of fuel to leave the Earth.

♣ Leonardo da Vinci prepared an alarm which awakes him by knocking his legs.



Snail can walk on the edges of blade without slipping from it

♣ At the edge of death, man first loses SIGHT, then TASTE, then SMELL, then SENSE, then the ability to hear SOUND

♣ The parking fine collected in New York City is 1330 crores per annum.

♣ Palm Oil releases carbon dioxide 10 times more than petroleum.

♣ North Korea is attracting least number of tourists every year.



Before 1800, there were no separate shoes for right and left legs.

♣ At the room temperature, air cells move with a speed greater than bullets.

♣ Till 1572, there is no word in English language named 'Mosquito'. Till then, they were called "Biting Flies".

♣ There are right- trumped and left-trumped elephants like right- handed and left- handed human beings.



French famous king, Napoleon Bonaparte, has fear towards CATS

♣ Antarctica means Opposite of Arctic.

♣ The largest organ of our body is skin. Its area is at about 25sq.ft.

♣ Woodrow Wilson is the only president of America who took Ph.D.



The life span of Welwitschia plant which lives in African deserts is 1000 years.

## How Google Originated???

The "Google" search engine has been developed by Larry Page, Sergey Brin. Larry Page, Sergey Brin are the students of Stanford University in America. During the days of their studies, they studied on search engine as a part of their project work. In the early days of their work, both of them didn't like each other. Gradually, the hate in between them emerged as friendship. They came to know their strengths and weaknesses. When they got involved in their project works, this helped them a lot. Before 12 years, the search engines are not much efficient and accurate in interpreting the data. They were very slow. Their aim is to overcome those problems. They spent a lot of nights without sleep. Finally they reached their target. They implemented their search engine in their university only. They got good response. They didn't stop their studies with that. They started their works to strengthen that technology.

Both of them are from the lower middle class family. They didn't have enough money to start a new office. They



Photo Courtesy: Google

don't have the capability to invest thousands of dollars. Larry turned his home into a data centre. Sergey made his bedroom as corporate office. They know that, the technology they have is greater than the technology running at that time. But to use that technology, more servers were required, which cost very high. They already used the grant which was given for their Ph. D. degree. Hence there was no more to spend. With someone's suggestion, they met founder of Yahoo, David Filo. But he is not so interested in their ideas. He encouraged them to start a new company. But they were already in debts. Who would like to give new debts? They consulted many capitalists but no one showed interest in them. Hence they stopped their Ph. D. Somehow, the professors of Stanford University came to know the work of Larry and Sergey. They introduced them to one of the founders of Sun Microsystems, Yandy. He was so impressed with their presentation. On the spot, he gave one lakh dollars check to them. That is the first check with the name of Google. Google means hundred zeros followed by one.

Indeed, they didn't register their organization due to the non availability of funds. They collected one more lakh dollars from their friends and relatives to register their organization. The first official head quarters of Google was a friend's garage in California. Their first employer was Silver Stein. People liked Google's efficiency and accuracy. At present 85% of internet users are the followers of Google.

- Vamshi Krishna .T, B083281, 102, E- 1

## Long Live "THE KING"

The man who don't require any introduction, and utmost, who should not be introduced, whose dreams inspired the world, the greatest entertainer who ever lived, the King of Pop...

Michael Jackson is an American singer, song-writer, recordist, producer, composer, musician, dancer, choreographer, actor and great philanthropist. He is unanimously considered as the King of Pop for his ability to impress the world with his music genres. His most publicized personnel life also made him a hot topic for the music lovers for four decades along with his music and dance.



Photo Courtesy: Google

Michael Jackson had a vast catalog of hit records and countless awards and records to his credit. He experienced the superstardom as a Pop Singer than any other pop star, once only belonged to Elvis Presley and The Beatles. At the height of his career, he was undoubtedly the legend, being sold out more than 750 million albums worldwide. His victorious career started with the album Off the Wall(1979) and continued with Thriller (1982), which remains still as the best selling album of all time, Bad (1987), Dangerous (1991) and HIStory (1995).

He spent a very cost personnel life, surprising people. But due to his surreal personal life, erratic public behavior, serial plastic surgeries and legal scandals few days before his death overturned people's opinions against him in several regards. He died at the age of 50 on June 25th, 2009 in Los Angeles. His death itself became an enormous spectacle, grossing the hearts of millions of people all over the world. But his death still remains as an unsolved mystery.

It's been two years since he passed away. Millions of his fans all over the world, paid tribute to their favorite star and remembering him for his priceless and brilliant contribution to the field of world music. His fans held a candle light vigil at his childhood home in Gary, Indiana. Fans placed flowers at the singer's grave at the Forest Lawn Memorial Park near Los Angeles. The Neverland Ranch is opened to the public, for the first time, but only for four hours for those who wished to pay their respects and to mourn his loss on this, the second death anniversary of MJ.

Jermaine Jackson performed a tribute concert on June 24th to his late brother to mark the second anniversary of the Pop star's death as a part of the 12th Indian International Film Awards festivities in Toronto. Whatever it may be, THE KING OF POP and his music will never be forgotten. He lives in the hearts of billions...

- Raja Harish Kumar .M, B083290, 112, E- 1

## Black Money... It's Our Money

If the government of India leaves its hounds to find black money deposits, hounds will directly show way to Swiss Bank. A simple question would crack in anybody's mind that is what is Black Money? Black Money is unaccounted and untaxed cash generated by dealings in black economy, black market or organized crime, or in simple words tax free money.

The total money deposited by the Indians in the foreign bank is unknown but one estimate by R Vaidyanathan, a



Photo Courtesy: Google

Professor of Finance, according to the Swiss Banking Association Report 2006, deposits in the banks located in the tertiary of Switzerland by Indian nationals is 1.4 trillion dollars and it tops the list of 5 countries holding account in Swiss bank. Reasons were

many in the creation of black money, but I will focus mainly on two. They are: 1) Ignorance of government and 2) Selfishness of Indians Leaders. Let's focus on the first thing that is ignorance of government.

Apart from the black money at the foreign country shores, consider an example of 2G scam. The person behind 2G scam was none other than former telecom minister A. Raja. The damage caused by the scale of 2G scam at a minimal cost is \$ 38,260 million. Is it not showing the ignorance of government? If we consider another example you will surely come to know how negligent our government is. That is nothing but when crores of rupees in the form of hard cash and several more crores of rupees worth jewelry, diamonds and other valuables have been taken over when the personal chambers of the late Satya Sai Baba were opened recently at Puttaparthi in Andhra Pradesh. There are a lot of discussions going on in the matter whether the money found at Satya Sai Baba's Ashram at Puttaparthi is accounted or unaccounted money. Even our government doesn't know that. There were many examples of scams to prove the ignorance of our government. If our government were aware of such economic issues, this sort of lose couldn't have been done.

Focusing on second, that is nothing but selfishness of Indian leaders. At the time of freedom struggle, our leaders were very selfish to sacrifice their noble souls for freedom. But now most of our political leaders, business magnets, sports stars, film actors and actress and many of others want to become the richest people in the world. A person like Raja can change entire economy of India. Again a question can crack everybody's mind that why is it happening? The only answer that anyone could answer is selfishness.

Don't you know how much money is transferred illegally from the Indian to foreign countries over years? It is estimated that a

total of \$213.2 billion was shifted out of India between 1948 and 2008, or about 17.7% of India's GDP at the end of 2008. The Economy of India is the tenth largest in the world by nominal GDP. If we bring back black money which is at the shore of foreign country, it can make our economy quite sound.

If the government of India neglects such huge amount of money, it could make huge changes in the development structure of India. It causes loss of revenue to the government, effects real capita income and national income of country, decrease in quality of public goods and services and in turn results in higher taxation and inflation to balance the budget. It results in increased criminal activities especially during the elections for the supply of alcohol, buying votes with money. The black money which is used to support terrorist activities undermines the security of the country.

If the government of India starts hunting for its own money, undoubtedly the treasury of Indian government will irrupt. 30% of Indian popula-



Photo Courtesy: Google

tion is below the poverty line. There were many children standing away from education, there were many youngsters left to prove their talent, there are many hands in the need for help...

Do you know what would happen if 1456 lakh crores come back...

- ◆ India becomes financially No.1 in the world.
- ◆ Each district will get 60000 crores & each village will get 100 crores.
- ◆ No need to pay tax for 20 years.
- ◆ Prices of our daily needs such as Petrol, Diesel and Milk decreases to 25, 15 and 8 respectively.
- ◆ No need to pay electric bill.
- ◆ Indian borders will become stronger than the china wall.
- ◆ 1500 universities like Oxford can be opened.
- ◆ 28,000km, rubber rod (as in Paris) can be made.
- ◆ 2,000 hospitals (inc. all facilities) can be established with free medical treatment.
- ◆ 95 crores of people will have their own house.

### What Can We Do?

Is this not enough which is done to India? Now it is time to awake, support the people who are opposing Black money and never ever give your support to Black Money directly or indirectly.

- Nayar Ali, B083296, 211, E-1

# Is this the Education?

**O**uch!!! Petrol prices are increasing day by day. The prices of our daily needs are also sky-rocketing. But have you thought of the fee structure in schools and colleges in which we study? Do you know the school fees of an average Kinder Garden Student?

Getting admission to the good schools is a traumatic experience to both the children as well as parents. The top most schools give out only limited number of seats, so parents have to wait in a long queue, sometimes from the evening before, to get the application form. After submitting the application form, there will be personnel interviews for both the parents and children separately. Is it necessary for a KG or a primary class student to be interviewed, along with their parents?



Photo Courtesy: Google

Most of the top schools give admissions to those students who have a sibling already studying in the same school, or the children of the alumni of the school and then the other applicants. And also the people with recommendations and who can donate generously to the school will be given the top priority. Even for KG and primary classes, there are people who give lakhs of rupees as donation.

Most of the corporate schools are attracting the parents by introducing the e-techno schools, digi schools and play schools for KG and primary class students (including with higher classes). Keeping in mind the bright future of their children, parents are getting fascinated by the methods used in such schools and taking this as an advantage, the corporate schools are looting money from the parents.

In some schools, the fee structure is as follows:-

School	Fee Structure
American School of Bombay	14,00,000 (Grade-I)
Ecole Mondial World School	7,00,000 (Grade-II)
Podar Nursery Schools	1,03,000 (Nursery)
Vibgyor High School	83,500 (Donation- 45,000 + Annual Fees- 38,500) (primary)
Mahirishi Grammar School	50,000 (Donation- 30,000 + Annual Fees- 20,000) (KG)
Bhavans Modern School	60,000 (Donation- 40,000 + Annual Fees- 20,000) (primary)
St. John High School	58,000 (Donation- 25,000 + Annual Fees- 33,000) (primary)

The rich and the upper middle class of the society can find decent private schools to send their children to. But in these schools, getting passed in the exam is given the top priority, not learning. These schools even fail in teaching **Common Sense** to children.

Taking into consideration about the private schools and colleges, they are uniformly pathetic. They are also getting attracted to the various methods followed in the corporate schools and charging huge amount of money in the villages also.

These fee hikes are followed not only in schools, but also in many corporate junior and engineering colleges. For that, loans have been provided. But the average tuition fees in these colleges are far more than expected. How do the students pay back those expensive educational loans? (If they would be unemployed after completing their studies)

Even inflation is adding some of its contribution. College tuition fees

rate is advancing far in excess of the inflation rate. You can see that the overall inflation rate since 1986 increased to 107.05%. On the other hand, during the same time, tuition fee increased to a

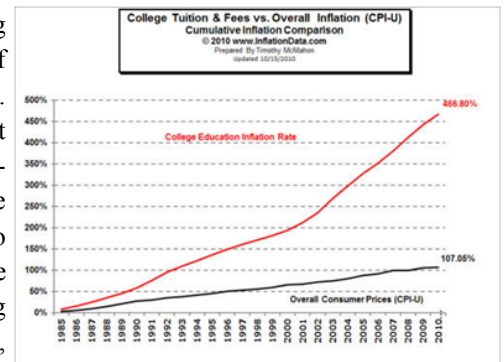


Photo Courtesy: Google

whopping 466.80%.(You can see the same in the graph above). Many schools and colleges increased tuition fees due to higher overhead costs. We can see that many older buildings are being replaced by the new ones. There is also a demand for spacial libraries and new research and computer labs.

Even though the schools are looting the public money in the form of skyrocketing school fees, they are failing in many aspects. The primary fact to be considered is the inability to teach the basic moral and humane values to the students. They are giving priority in passing the examinations, scoring good marks, ranks and creating competitive environment among different other schools. If they show the same interest in teaching proper values to the students, there will be no doubt that wisdom starts growing in the hearts of students, and soon, India would be the one of the major powers in the world.

Thus, the Indian school education system is in great trouble. Although a lot of money is spent, several children do not even get the basic elementary education. The number of students enrolling for the preliminary education program in India is 11.22%. What is the use of the education system if it fails even to provide proper elementary education? Where are we heading to? Is this the education or business?? As Michael Jackson said, "We are losing our own legacy..."

- Raja Harish Kumar .M, B083290, 112, E-1



## Do You Have 'WISDOM' With 'U'?

*"Knowledge without wisdom is a load of books on the back of an ass!"*

What is WISDOM? Wait...this is not my question, this is the question that was asked by a child to his mother. Can you expect what would be the answer from her mother? She didn't give any answer, instead she asked the child on showing the sugar box that "baby can you eat some sugar". Child said, "No".

"Otherwise eat a egg or eat some honey" said mother. Child replied irritatingly "Mom don't make me angry. Please give me the answer for my question, if you know". Then the mother smiled and said with a cool voice that "Baby, if I give you the cake which is made by this combination, will you eat? Wisdom is also the same; it has all the combinations of once experience, knowledge, talent and eloquence. They don't have their individual importance, but when they combine together they will have prominence, that is the meaning of wisdom.

Wisdom is a clear reasoning of your understanding about the society, nature, things, events and your good response to the situations, resulting in the optimum results with appropriate thoughts. So why don't we test our wisdom?....

An uneducated person asked a question to an intelligent mathematical student that "A cat jumped from second floor and it got two legs broken.

Another cat jumped from the fifth floor. How many legs will be broken". For this question the student gave the answer that "Five legs". Is that the answer you're also thinking, if yes change your mind. This answer will gives us the main difference between knowledge and wisdom.

What we are learning is not the wisdom, how we are using the learned knowledge according to the situations



Photo Courtesy: Google

will give you the true meaning of the wisdom. So where are we lagging behind? When the question comes to our mind, we may not have appropriate reasons, because we don't know whether the reason for lagging behind is correct or not.

We have a quotation saying that "Experience increases with mistakes and mistakes decrease with experience", but when we are in a situation to do a mistake, we don't know whether the thing we are doing is a mistake or not, we will do it unknowingly. We will come to know after getting some experience in that. Wisdom is not a thing to gain. It will be achieved by so many mistakes and with

lots of experience. So, let us know some of the reasons which make us to lag behind. Mainly there are three reasons for lack of wisdom.

### Sluggish reflex action:

Sluggish reflex action means the moderate response of the person to the problem. Some persons don't even try to solve a problem. This problem of not responding may be due to the parents, teacher, and student or due to the atmosphere in which they have grown. But human being has the capacity to overcome the problem by acquiring the wisdom.

### Problem analyzing paucity:

For the simple problem,

"Given that  $4a+4b=4$ . Find the value of  $a+b$ ?"

If the child unable to give the answer, we call this manner as PAP (Problem analyzing paucity). These children only read the lessons for attending the exams, not for gaining knowledge. These children lack wisdom.

### Paradigm shift deficiency:

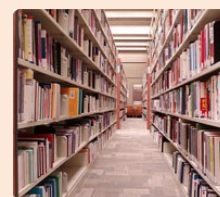
"A person died, who is the brother of a beggar, but the person do not have the brothers. How is it possible?" For this question, one may not give the answer. If we give the hint that "beggars may not only the gens they may be women". After giving the hint also, if he didn't answer the question, this manner is called as PSD (Paradigm shift deficiency).

**Knowledge Speaks... Wisdom Listens...**

- Ravi Kumar Attem, B083280, 207, E-1

### Knowledge Vs Wisdom

Knowledge refers to the information, understanding and skills that you gain through education or experience. It refers to the hard facts and the data that can be available to anyone if he has the right resources. Wisdom, on the other hand, refers to make sensible decisions and give good advices because of the experience of knowledge that you have. Someone may have all the knowledge about a subject but may not have the wisdom to utilize this knowledge properly to be able to act in a sensible manner! That is why they say you can gain knowledge by educating yourself but you can gain wisdom only by experience. Knowledge is obtained, Wisdom is developed. Knowledge is the accumulation of memory you have built up through years and wisdom is the lessons that you have learned.



## Tips for Effective Search

Is it irritating to search in Google? Good news to those who waste their precious time for searching in Google. So many times we do not get the required accurate results. Here are the tips and special keywords to get accurate results in Google.

- ☀ Set the words in double quotes to get accurate results. For example if you want to search about The Student, just type "The Student".
- ☀ For your definitions type - ex: define: Programming.
- ☀ While you are searching a special category use - sign. For example film making-direction.
- ☀ If you wish to search special files like ppt's or pdf's, use the file extension also. For example "The Student" file type: ppt or "The Student" file type: pdf.
- ☀ To know time in any city just type time followed by city. Ex: time Hyderabad
- ☀ You can use the search box as a calculator. If you type  $5 * \sqrt{44}$ , you will get the answer.
- ☀ To know weather in any city type weather followed by city. Ex: weather Basar.
- ☀ If you don't have search option in visited site for example www.newinventions.com, type in Google search engine as "Editing" site: www. newinventions.com
- ☀ Try to use Boolean expressions like AND, OR (in capital)
- ☀ You can restricts the domains like- power generators site: .edu or power generators site: .net.
- ☀ You may want to search not only for a particular keyword, but also for its synonyms. Indicate a search for both by placing the tilde sign ("~") immediately in front of the keyword. For example, to search for food facts as well as nutrition and cooking information, use: ex: ~food.
- ☀ Use Google for a quick conversion, from yards to meters for example, or different currency: [12 meters in yards]
- ☀ You can use "related:" in front of a Web URL to see a list of pages that Google sees as having content related to the URL you are searching. Ex: related: www.newworld.com
- ☀ To search Google and exclude adult content, you simply type "safe search:" before your search phrase. Ex: safe search: breast bleeding.

If you can't remember any of these operators, you can always use Google's advanced search.

## Do You Know???

Here are some interesting and fun facts about internet. Read and Enjoy...

- @ "www.symbolics.com" was the first ever domain name registered online.
- @ Almost half of people online have at least three e-mail accounts. In addition the average consumer has maintained the same e-mail address for four to six years.

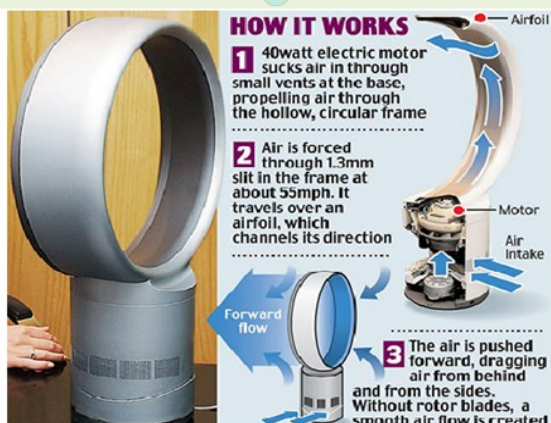


- @ Yahoo started out as "Jerry and David's guide to the world Wide Web". Jerry Yang and David Filo were PhD candidates at Stanford in 1994 when they started the site.
- @ The "www" part of a web site (www.google.com) is optional and is not required by any web policy or standard.
- @ All three letter word combinations from aaa.com to zzz.com are already registered as domain names.
- @ One million domain names are being registered every month.
- @ It is estimated that one of every eight married couples started by meeting online.
- @ The Dilbert Zone was the first comic website on the Internet.
- @ On the internet, a 'bastion host' is the only host computer that a company allows to be addressed directly from the public network.
- @ World Wide Web was programmed with Objective C.
- @ The first browser that made the web available to PC and Mac users was Mosaic. It was developed by National Center for Supercomputing (NCSA) led by Marc Andreessen in February, 1993. Mosaic was one of the first graphical web browsers and led to an explosion in web use.

- Vamshi Krish-

na .T, B083281, 102

### Air Multiplier



#### DYSON'S AIR MULTIPLIER

So far we have been using fans with blades. Have you ever imagined a fan without blades? In October 2009, Sir James Dyson had reinvented the fan without Blades.

#### Advantages:-

- > We can get fresh and cool air 15 times more than the normal fans.
- > It has a convenient way to adjust the angle for users.
- > As it is bladeless, it is safer for children.
- > It is easy to clean. One can clean with a piece of cloth.
- > The airflow is more stable and there are no blades to cut the air.

**Its Price is around 21,000 rupees.**

### Make a Better World

We are the world, we need some peace  
For "them" around to live

We are the teachers of future's life  
It's our duty to make them bright

Beloved my brothers, beloved my sisters  
Make a better world and help others

Around the world, around our side  
Let us all have a rattling sight

It's not a matter of where we live  
Have a little care and believe

Don't blame them how they treat  
It's our duty to meet and greet

The words which hurts someone's heart  
Try not to use and put them apart

Free from the war, free from the tensity  
Serve for everyone and for Humanity

Some of the things along with these  
Let the world not have enemies.

*Jawed Akthar, B082832, E- 1*

## Human Computer

Shakuntala Devi is a renowned mathematician and a calculating genius of India. She is popularly known as 'Human Computer' because of her unusual talents in solving difficult mathematical problems.

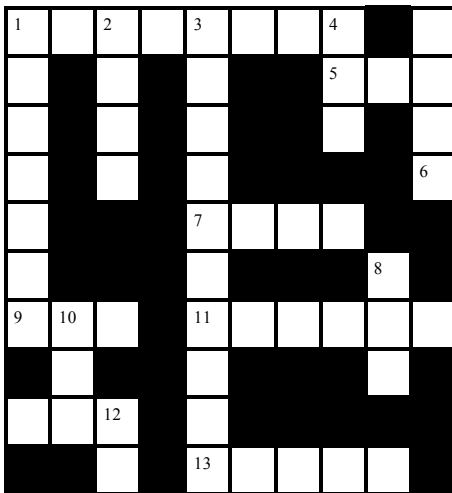
In Dallas, she competed with a computer to see who give the cube root of 188138517 faster, she won. In the year 1977, At university of USA she was asked to give the 23rd root of a 201-digit number mentally without any mechanical support. She answered in 50seconds. It took one minute and ten seconds for a UNIVAC 1108 computer to confirm that she was right, after it was fed with 13000 instructions. Further, on 18th of June, 1980, she demonstrated on the multiplication of two 13-digit numbers 7,686,369,774,870 and 2,465,099,745,779 that was picked randomly by the Computer Department of Imperial College, London. She gave answer in just 28 seconds. Her correct answer was 18,947,668,177,995,426,462,773,730. This astonishing incident got her a place in the Guinness book of World records.



Once she knows about your birth details, she will make your horoscope in south Indian style in flash. That is the fantastic thing she does.

Through her expertise, she also motivates the young minds to discover the world of mathematics. She has been travelling around the globe performing for the student community, Prime Ministers, Presidents and Educationalists. Her world famous book was "Figuring: the Joy of Numbers". 'Puzzles to puzzle you', 'The book of Numbers', 'Mathability', 'In the Wonderland of Numbers' and 'Awaken the Genius in Your Child' are some of the popular books written by her.

*- Bhaskar. K, B083286, 210, E-1*

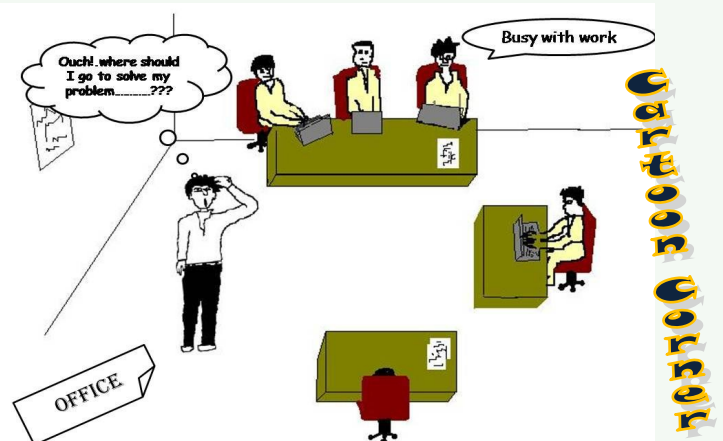
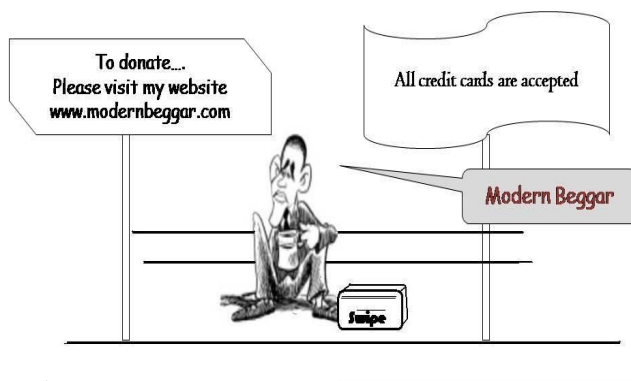


#### Horizontal

1. The largest selling album of all time (8).
5. Area of shifting sand dunes (3).
7. Cataclysmic nuclear explosion (4).
9. Female elephant (3).
11. Highest half- centuries in ODI's (6)
12. 4th largest country in reverse, area (3)
13. Pleasant Island, formerly (5)

#### Vertical

1. Movie of 1997, won 11 Oscars (7)
2. The city of seven hills (4)
3. He discovered Victoria falls (10)
4. Flat stormy deserts(3)
6. Latest music sensation in reverse (4)
8. All India Radio (3)
10. Roman goddess of motherhood (3)
12. Union of England, Scotland and Ireland (2)



Venkat reported for his university final examination that consists of only two options. Those are 'yes' and 'no'.

He took his seat in the examination hall, stared at the question paper for five minutes and then, in a fit of inspiration, took out his purse, removed a coin and started tossing the coin, marking the answers after each toss.

Within half an hour, he completed his exam, whereas the rest of class was still sweating it out. During the last few minutes, he was seen desperately throwing the coin, muttering and sweating.

The examiner approached him and asked what is going on. He answered, "I have finished the exam in half an hour, but now I'm rechecking my answers."

"Two things are infinite: the universe and human stupidity; and I'm not sure about the universe."

"As far as the laws of mathematics refer to reality, they are not certain, as far as they are certain, they do not refer to reality."

- Albert Einstein

## ప్రపంచం

ఇది కదనం

సామాజిక మార్పు కోరుతూ...

కల్లసీసావందనోటుకు...

ఓటునమ్మే జనుల పసితనం

ఇది జీవితం

జీతంతో ముడివేస్తూ

శరీరాల్ని మెలివేస్తూ

జీవన అర్థాలని చెరిపేస్తూ...

ఇది యుద్ధం

సామాన్యడి బతుకు నార్పుతూ

రాజకీయ వ్యాపారంలో

తీర్చలేని వ్యధలెన్ని...

ఇది సంద్రం

కన్నీటి అలలు ఉప్పొంగితే ప్రళయం

వివక్షల్లో, కులజాతుల్లో

నిధులలేని పాలనలెన్ని...

ఇది వందనం

అడవుల్లో, నదీజలాల్లో,

గాలుల్లో, గాలివానల్లో,

వినిపించని చావుకేకలకు...

- పరమేశ్వర్, B082395, 112, E- 1

## The Cold Star

I am ploding, and ploding  
In the streets of studies  
No one is there;  
The streets are looking  
Quite dark & terrific.  
I am all alone there,  
Because everyone of my pals  
Had reached their goals.  
But I am wandering;  
As I spent all the  
Time for enjoy and for worse  
things.  
Nothing I have to do,  
Hence doing  
Nothing but wandering,  
With weighed-down head.

Suddenly a bright star  
Appeared in that dark streets,  
I wondered for that,  
But I don't know that had  
Came for me only.  
It had given me its cool hand  
And learnt me all  
The things which I  
Forgot to do and to learn;  
That had given  
Me the lift and gradually taken to  
Upstairs and then  
To the top in streets of study.  
Now, I am not alone,  
Enjoying with the study,  
Confident is my strength,  
Will is my friend,  
My father, mother, power and god,  
Is that "star",  
The star is nothing but Prof. "Manas".

- Vamshi Krishna, 114, E- 1

## Physical Vs Mental

Long years ago, in the village of Raghavpur, there lived a man named Ravi. He is an orphan. Since childhood, he is very much interested in body building rather than studies. He believes that physical strength is the only thing which makes us live happily. As per his interest, he possessed a stout, strong body. He used to do agriculture in the nearby country farms. As days passed, there are inadequate rains and hence, the whole village starved for food. The people of Raghavpur started migrating to the nearby towns and villages in search of partime jobs. Thus Ravi reached Rajapur. After a vigorous search, he got appointed as a wood cutter in a small wood company. His job is to cut as many trees as possible with an axe, in to pieces. In the very first day, he cut 8 trees into pieces. Next day, he smashed 6 trees in to ruins. As days passed, his strength to cut the trees decreased and he could only cut 1 tree per day. He thought that what would be the reason behind losing his strength. He could not find the answer. He then asked his owner to find the reason. The owner asked to bring his axe. The moment he brought his axe, he found that the blade of axe is gone. It is sharpened long days ago and hence its blade got ruined. Then the owner said the same reason to Ravi. He taught Ravi that "Not only physical strength, but also mental strength is required."



Raja Harish Kumar, B083290, 112, E- 1

## అవినీతి - దేశాభివృద్ధికి అవరోధం

ఒక దేశం పారిశ్రామికంగా అభివృద్ధి చెందాలన్నా, రాజకీయంగా అభివృద్ధి చెందాలన్నా అది ఆధారపడేది ప్రజల మీదనే. ఎప్పుడైతే ఆ దేశ ప్రజల్లో అవినీతి, స్వార్థం లాంటివి చోటు చేసుకుంటాయో అప్పటి నుండే ఆ దేశం కుంటుపడటం మొదలవుతుంది. అధికారం వచ్చేకొద్దీ అవినీతి పెరుగుతూ, అధికార దుర్వినియోగం అవుతూనే వుంది. అధికార దుర్వినియోగంతో కోట్లాది రూపాయలను ఏటా వెనకేసే పనిలో కొందరుంటే, ఆ అధికార దుర్వినియోగంతో ఇంకా నిత్యావసరాలు కుడా తిర్చుకోలేని స్థితిలోకి మరికొందరు దిగజారుతున్నారు. దీంతో దేశంలో ఇంకా పేదరికం పెరుగుతూ, దేశం అభివృద్ధికి నోచుకోవట్లేదు. అంతేకాక సమాజంలో అశాంతి రేగుతుంది. ఈ అశాంతిని నిర్మూలించడానికి సంక్షేమ పథకాలు అవలంబించడానికి బదులు, అణచివేత చర్యలమీదనే ఎక్కువగా దృష్టి చూపుతున్నట్లు అనిపిస్తుంది. ఒకవేళ భవిష్యత్తులో వేరే రాజకీయ పార్టీలు వస్తే తమకెక్కడ దక్కాల్సినవి దక్కకుండా పోతాయనే భయంతో రాజకీయ నాయకులు ఇప్పటినుంచే అవినీతిలో అన్ని సర్దేయాలని చూస్తున్నారు. వీళ్ళ పరిస్థితి ఇలా వుంటే ఇక సామాన్య మానవుడి పరిస్థితి ఇంకా దారుణంగా ఉంది. ఇక దేశాభివృద్ధి గురించి అలోచించేది ఎవరు? తాత్కాలిక సుఖాల గురించి అలోచించకుండా దేశాభివృద్ధికి పాటుపడాలన్న ఉద్దేశం ఎంతమందికి ఉంటుంది? మహాత్ములు ప్రాణాలు సైతం అర్పించి దేశాన్ని ఇంత నీచమానవులకు, అవినీతి పరులకు అప్పగించామని పైనుండి చూస్తూ కన్నీళ్ళ పర్వతమోతారేమో! ! గద, ధనుస్సు, విల్లు చేతబట్టి ఈ అవినీతిని రూపు మాపదెవరు? అన్ని ప్రశ్నల్, సమాధానం దొరకని ప్రశ్నలు. ""మన గమ్యం ఏమిటి? ఎన్నాళ్ళిలా అన్యాయంలో, అవినీతిలో జీవితాన్ని సాగిద్దాం", అని అలోచించుకుని పరిష్కారం వెతికేలోపు దేశం కాపాడుకోలేనంతగా అవినీతిలో కూరుకుపోతుందేమో. అభివృద్ధి అనే వెలుగుని దేశానికి పంచి ఇచ్చి, చీకటి అనే అవినీతిని రూపుమాపదెవరు? చరిత్ర కలిగిన దేశంగా మన దేశం చరిత్రకెక్కేదెప్పుడు? సమాజంలోని పౌరులందరూ తమ వ్యక్తిగత వివరల్లో భాద్యతాయుతంగా, నిజాయితీగా వ్యవహరించేట్లుగా కృషి చేయాలి. ఇదిలా వుంటే అవినీతి పనులు మనము చేయట్లేదు కదా! మనకెందుకులే అని తేలికగా తీసుకుని వదిలేసే వాళ్ళూ చాలామందే ఉన్నారు. అలాంటి వాళ్ళు మనుషులం అని చెప్పుకోవడానికి సిగ్గుపడాలి.

మన దేశంలోని ప్రజలతో మనకే సానుకూల వాతావరణం లేకపోతే ఇక పరాయి దేశాలతో మన దేశం ఎలా పోటీ పడగలుగుతుంది. ఇక దేశాభివృద్ధి ఎలా జరుగుతుంది? మనిషి అపురూప మైత్రీ చిహ్నాలా వుండాలి కానీ అవినీతి ముసుగులో నలిగిపోయే కిరాతకుడిలా కాదు. ఇవాళ మౌనంగా రోదీస్తున్న వందలాది కుటుంబాలే రేపటి దేశాభివృద్ధికి ఆశాకిరణం కావాలి. మన రాజ్యాంగం ఇచ్చిన హక్కులను దేశ ప్రజలు అవినీతికి దుర్వినియోగం చేసినంతకాలం మనం దేశాభివృద్ధిలో వెనకబడుతూనే ఉంటాం. ఈ సమస్యలన్నీ తీరిపోయి దేశం మళ్ళీ సుశాసనం కావాలంటే రాజ్యాంగాన్ని తిరగరాయాలి లేదా కొత్త రాజ్యాంగాన్ని రూపొందించాలి...

### నిత్య సంతోషిణి

అందరికీ అన్నివేళలా మంచి ఆశించడం నా అలవాటు  
 అందరి విజయాలు నా విజయాలూగా భావించి ఆనందించడం నా హాబీ  
 ఇవన్నీ నాకు బాల్యం నుండి అభివృద్ధి విద్యలు  
 నా మనసు స్వచ్ఛమైనది, నా స్వభావం పవిత్రమైనది  
 ఇక్కడ అసూయద్వేషాలు లేవు, కుట్రలూ కుతంత్రాలు లేవు  
 ప్రకృతి సౌందర్యం నా ప్రాణం, సౌందర్య దృష్టి నా సొంతం  
 ఇవన్నీ నేను అలవరుచుకున్న సుగుణాలు  
 ఉత్సాహం నా ఊపిరి, వైరాగ్యం నా శత్రువు  
 నేను నిత్య సంతోషిణి, నాది నిరంతర చైతన్యం...

### లక్ష్యం

శ్రమయే మూలధనంగా ఎప్పుడూ సాధించేదే లక్ష్యం  
 భ్రమల పిశాచాలావరించితే బద్ధించేదే లక్ష్యం  
 బాల్యదశలో అడుగులువేస్తూ ఎన్నిసార్లు పడ్డావో  
 పరిగెత్తే నీ కాళ్ళకు తెలుసు పండించిన తన లక్ష్యం  
 ఉపకారికి ఉపకారం చేయడం ఎప్పుడూ గొప్పతనం కాదు  
 శత్రువునైనా ప్రేయమిత్రునిగా భావించుటయే లక్ష్యం  
 జీవితగమనంలో లక్ష్యం తెలుసా..?  
 మిన్నువిరిగి మీదపడ్డా దూసుకెళ్ళడమే మన లక్ష్యం...

The deathly material which is ruling the present world, which cannot be replaced or recycled, which cannot be digested or degraded... as expected, is plastic. The use of plastic is growing very rapidly in the present days. It is necessary to restrict the usage of plastic in our all forms of life. Else, it may result in severe environmental changes and serves as a health hazard for all forms of ecosystems.

Taking our campus as example, we have been using a lots of plastic and wasting a lots of plastic. A common student's day starts and ends with plastic. We create great amount of plastic in the form of shampoo and soap covers, waste water bottles, polythene covers (both packing covers and generally used covers), etc. The problem is that we don't take care in removing the stuff which we use. We throw the plastic stuff wherever we use it. The plastic waste that dumped nearby our campus spread approximately over 3 acres, by wind and rain.



Since it is the time of rains, plastic gets deposited in the soil and will not degrade for ever. It creates difficulty in ploughing, retards the growth of plants in the fields, poisons the soil and enter the food chain. Thus poisoning the food we eat. As an engineering student, we all learn about damage caused by plastic, environmental science, methods to degrade plastic, how to reduce the usage in our daily life, but we never take necessary action or even we never bother about how much plastic we are adding to the globe.

The main objective of our university is to reinforce core values of integrity, respect for all, and care for environment. Are we caring for our environment around us? Think about it...

**- Raghava Reddy and Raja Harish**  
**- Photography: Ravi Kumar Attem**

This is the oldest and tallest tree found in our campus. It is located in between the Old and New Academic Blocks. It's been three years since our university established and still such trees remain as the tallest trees in the campus. Recently, campus has planted some trees. But it is necessary to grow some more trees by the students to take care of the environmental pollution caused by us.

**Photo & Illustration: Ravi Kumar Attem**



### Bio-diversity around JJTB



These are the pictures of wildlife captured around our campus. Deers are found frequently in groups of 20-30 running in the nearby fields. You can also see various kinds of birds perching on the top of trees and everywhere. A lot of bio-diversity can be found at IIITB because it is located on the bank of river Godavari.

