

Edition - 9

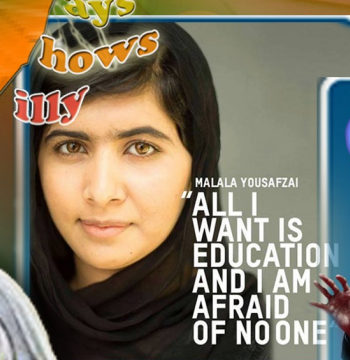
# The Student

Giving wings to thoughts....!



antah pragnya  
kalaarchana

VARNA



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# EDITORS NOTE

*Back again...! We are extremely delighted to be a part of the eminent college magazine which is moving forward. With all your impregnable support we have prospered in publishing 8 editions and now we are overwhelmingly presenting you the elegance of 9th edition. As you know, this time too we dashed your hopes of releasing this edition at the right time. But we hope you will surely make no bones about our faults and we promise you that, this edition will definitely meet your expectations.*

*This magazine opens the window of opportunities for the students to exhibit their literary skills as always. We have tried our best to cover each and every 'On campus' event and some 'Off campus' topics which would give you refreshment from your exhausted and tedious lives. This edition covers the most successful tech fest "Antah Pragnya" and cultural fest "Kalarchana" which marked the magnificent ending of many events like Varna, Prasna, Robo-Zest, etc., which are some of the 'On campus' events that will grab your attention in this edition.*

*We are not only here to entertain you, but also to ignite and, to keep the same in mind, we have included inspirational articles on great personalities like UPSC topper "Ira Singhal", our late former President "Dr. A.P.J. Abdul Kalam", Google CEO "Sundar Pichai" and many more. We have bestowed this edition with vibrant drawings, mind scintillating poems and updates of current trends.*

*We would like to place on record, our gratitude and heartfelt thanks to all those who have made untiring efforts to bring out this magazine. We extend our thanks to all the contributors for their articles, poems and drawings. Hope you all invest your time to turn the pages and take your eyes for a ride.*

### Reach Us:

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# The Big Day

—The most memorable day of my journey

12<sup>th</sup> April, 2015, a day that has taken 3 years in its making. The day I have been waiting from the very moment I have taken charge as the Editor-in-chief of “The Student”. The hard copy release of our magazine is the most memorable day of my journey, a dream come true. The immense feeling of satisfaction and accomplishment that I get from this is overwhelming.



It feels so good to finally be here and before I start I would like to mention the name of that person without whom this magazine would not have seen the light of the day – Mr. Raja Harish Malepu, from the batch of 2008-14. He has given his best in building a perfect platform for this magazine to flourish. With the same inspiration, during my tenure, several other milestones have been reached like the online articles and feedback submission, creation of new logo & tagline to magazine (Giving Wings to Thoughts...!), developing online website portals for the magazine ([www.thestudentemagazine.wordpress.com](http://www.thestudentemagazine.wordpress.com)), having special portal in RGUKT Basar Info Hub (<https://hub.rgukt.ac.in/hub/thestudent>), maintaining a separate page on Facebook social media ([www.facebook.com/thestudentemagazine](http://www.facebook.com/thestudentemagazine)) and also, a place in the largest electronic publishing platform – ISSUU ([www.issuu.com/thestudentemagazine](http://www.issuu.com/thestudentemagazine)).

Our magazine, **The Student** is set on a purpose to inform, engage, inspire and entertain a diverse readership – including students, faculty and administrative staff – by presenting an intimate, timely and honest portrait of the University – its people, its programs, its challenges, its resources and its mission. Ordinary people, marginalised voices, centralised ideas and new ways of expression will all come together within the pages of “The Student”, to deliver something new, fresh and sometimes maybe something completely unexpected.



Till now 8 editions have been released and the 8<sup>th</sup> edition is a special one as it is circulated both as a softcopy and a paper-based copy.

This magazine has not been an easy journey and I would sincerely like to thank all the people, especially its readers, who have been helping in shaping this magazine in a better way through their constructive feedback.

Finally, as we will be leaving the campus soon, I would like to hand over this responsibility to my juniors carrying the same enthusiasm and wishing them good luck for their future milestones of this magazine.

**Article Dated - 12th April 2015**

— **Moulik Reddy Pinninty,**  
**Editor-in-Chief, (2009-15 Batch)**

Image Courtesy: E. Shiva Prasad

# ROBOZEST

-- The Robotic workshop

Robozest'15, a workshop held at RGUKT-Basar, conducted by IIT-Delhi was organized by the students of E4. It was a two-day workshop where more than 350 students from ECE, CSE and ME departments have participated very actively. The program began in the yoga hall with the introduction about robotic workshop by the team members. The then director Prof. Appala Naidu, along with HoD's of the concerned departments attended the program, after which all



the registered students were divided into teams of five to six. This workshop was conducted in four classes, with 14 teams each. Every team was given a ROBO kit which included an Arduino board, Motors, LED pattern module, AAA batteries etc. In the first session, a clear idea about microcontroller and microprocessor was given. And later the students were explained about the Arduino IDE and how to interface Arduino board with external devices like motors. Some basic movements of RO-



BOT were also discussed. At the end of the session, the students were asked to choose between a quiz, and a task. All the students chose the task. The task was to control the forward and backward movements of robot within less time and with error free code. Those who won the task were given a chance to participate in the National level Grand Finale at IIT 'Delhi. So, all the students took this task competitively and performed well with team spirit within the given time limit, and finally one team from each class was selected. So, only four to six groups were selected for grand finale in our campus. IIT 'Delhi National level Grand Finale had 3 levels :

1. Line follower Robot (As per a given path)  
2. Abstract detector Robot with DTMF  
3. Picking things

Mr. Venkataramana and Mr. Shekhar of CSE department encouraged the selected students and accompanied all the selected students to Delhi. All the teams from our campus have given their best in all the three levels of Robozest Grand Finale. Several students from other premier institutes with well equipped expertise have also participated and giving them a tough competition was indeed an experience worth sharing.

— **D.Prabhavathi (B101415—ECE)**

Image Courtesy: G. Thanmai

# Sports Day

— sports fiesta continues



After two weeks of nerve wrenching matches which were featured in several games of Annual Sports event, winners in both boys and girls category were declared on Sports Day, the 10<sup>th</sup> of April, 2015. It was lavishly arranged by our campus authorities which garnered many memorable moments for all the players, secretaries and also the ambassadors of respective branches.

Sports Day was headed by Mr. Hari Babu (Sports Convener), Mr. KKC Reddy (Chief Sports Officer) and the Chief Guest, our Vice Chancellor, Prof. Satyanarayana Garu. This was the most awaited event for all the sports enthusiasts in the campus. It was conducted in grandeur. The stage was all set by 7:00 pm, and all the secretaries and ambassadors were at the stage dressed in formals, ready to kick-start the event.

The event began with a lamp lighting ceremony by our Honorable Vice Chancellor, which was followed by a profound speech that described the importance of sports and games in our day-to-day life. All the guests were invited onto the stage and later, Mr. Hari Babu took the stage and lauded all the secretaries and ambassadors who put in tremendous effort for the success of the Annual Sports event. It was cherished by all the

audience. After the valuable speeches of all the officials, the event headed towards the distribution of mementoes by Vice Chancellor to all the secretaries.

It was followed by the distribution of trophies to the winners and runners in both individual and team categories for both girls and boys to the roar and appreciation of seven thousand spectators. The joy and pride of winning the competition was visible in the eyes of all the players, while the Vice Chan-



### Overall Championship:

S.no	Event	Boys	Girls
1.	Athletics	ME	MME
2.	Sports & Games	CSE	CIVIL

### SENIOR Team Events:

S	EVENT	BOYS				GIRLS			
		WINNERS		RUNNERS		WINNERS		RUNNERS	
1	Cricket	CSE		CE		CSE		CE	
2	Football	ME		ECE		-		-	
3	Basketball	CSE		ECE		CE		MME	
4	Volleyball	CE		MME		ECE		CE	
5	Kabaddi	MME		ME		MME		ECE	
6	Kho-Kho	CSE		ECE		CE		MME	
7	Badminton	ME		CE		CSE		CE	
8	Table tennis	E	E	M	M	E	M	M	E
		C	C	M	E	C	M	M	C
		E	E	E	(D)	E	E	E	E
		(S)	(D)	(S)		(S)	(D)	(S)	(D)
9	Athletics (4X100 Relay)	ME		CE		CHEM		MME	



cellor handed them the trophies.

The Sports Day celebrations finally ended with joy and happiness of all the students and the people who were a part of it.

— M Kiran (B101046 - MECH)

Y Srikanth (B101417 - MECH)

Image Courtesy: E. Shiva Prasad & M. Akshay



# VARNA'15

— An exquisite fest of tradition



**Treasure hunt** - The motto was to find hidden objects by using clues that consisted a set of directions which were needed to be carefully analyzed to decode the clues and reach the final destination. It was the most exciting event of the day.

**Flash mob** - Flash mob, with a mixture of traditional and trendy songs was performed in front of the Academic block-I in our campus which saw a quick attendance of around thousand students.

**Daandiya** - This was the most awaited event of the day. It was a very simple dance and was performed by a group who moved in circles performing Dandiya with sticks. More than 50 beautiful girls



elegantly dressed in traditional outfits performed Garba and played Daandiya.

Huge efforts were put in making VARNA'15 a grand success. The entire team whole heartedly thank the administration, faculty, organizers, volunteers, participants and everyone who supported us for the smooth run of the events.

— **B.Vaishnavi (B101748 - ECE)**

**S.Venkatesh (B101112 - ECE)**

Image Courtesy: E.Shiva Prasad & M. Akshay

We have seen many tech and cultural fests in our campus. One with a little difference was the “Traditional Day”, an event that portrayed our traditional culture to convey our concern towards environment. A group of E-3 students came up with an idea which was accepted by the convener

**Plantations** - It was a small token of gratitude towards the nature, a beautiful initiative to save the environment, to which we owe a lot. Faculty took an active part in this programme, and stood as an inspiration for all the students.

**Poster presentation** - To showcase traditions and culture of different states, there was a display of posters which carried the uniqueness of every state. It was indeed an eye-catching exhibition.

**Food without flame** - Food without flame is a cookery competition where students were given the task of making any recipe using the given fruits and milk. Many interested students participated in this competition and made different



Mr. Rakesh sir. In fact, “Traditional Day” was the first ever different cultural event in the history of RGUKT, celebrated on the auspicious day of “Sri Rama Navami” in the year 2015. All the organizing team members came across many hurdles while planning the event. We have got good encouragement and support from Mr. Kanna Rao, Mr. Sudhakar, Mr. Rakesh Reddy, Mr. Vinod Kumar, Mr. Ajay Kumar and Ms. Pritanjali. Finally, the day has come where all our plans were executed and it was named as VARNA'15, a small deck of remembrance of traditions in our campus.

The day started with Saraswathi pooja, acknowledging the essence of the holy place Basara, which was followed by further events like:



types of mouth-watering fruit salads with great garnishing within the given time. It was tasted by all the judges who appreciated the participants and declared the winners in the end.







# KALARCHANA 2K'15



**Rangoli which won 3rd prize**

We are very thankful for the grand success of KALARCHANA 2K'15. Kalarchana is the one of the best and biggest event that whipped the dark horses in the students and encouraged them.

A person's talent can be of any way, either academically or non academically. Many do have marvelous talents that gives them recognition. To bring those marvelous talents out, Kalarchana was organized.

The program Kalarchana includes many events like poetry, painting, singing, dancing, short films, debate, elocution, essay writing, rangoli, mehendi, skits, photography etc. Even, PRASNA and VARNA are a part of Kalarchana.



Each and every event had its respective coordinators and student volunteers. They are responsible for the successful planning and completion of the events.

Finally arrived the most awaiting day, 11<sup>th</sup> April, 2015. We planned the schedule perfectly so that no mistakes occur during the event. It was a very cool

evening. The Hon'ble Vice Chancellor inaugurated the event and all the students were very happy to see the presence of all the respected dignitaries on the dais.

The program started very enthusiastically with the prize distribution to the winners of the events.

Then the most cheerful and enjoyable part of the program started i.e., dance performances and skits etc. Everyone was excited to watch many more performances. But after watching a few performances, there was a heavy rain, that did not stop for hours. Everything lost its way, but still the team of Kalarchana never stepped backward and struggled a lot to get back happiness in the students and participants face. With all the help and encouragement from the authorities, we planned the event on the very next day i.e, on 14<sup>th</sup> April.

The organizing team started the cultural program again, and at last we came to the end of the event successfully. We express our sincere thanks to the Student Convener, Mr. T. Rakeshreddy, and also thankful to all the students for their active

participation and cooperation, that ensured a happy ending.



**Mehandi competition as a part of Kalarchana**

**K. Harika (B101950 - ME)**

**T. Divya (B101076 - ME)**

Image Courtesy: E. Shiva Prasad & M. Akshay

## Interview with VC

**The Student:** How do you feel about the transition from being the VC of Osmania University to the VC of our University?

**VC:** Osmania University (OU) is one of the oldest and biggest universities. But, RGUKT is not new to me. I worked as Registrar from 2009 to 2011. So, I had some awareness about this institution. Luckily, I have got an opportunity to come back and work in the same University with which I was closely associated, and it gives me more satisfaction working in RGUKT than it gave in Osmania University, because the students here are good. There is a longer hierarchy of administration in OU. If I had to implement something, it did not depend on me alone. Though the Dean, Director, Principal, Head of Department agreed, there would be opposition from some people who were against the administration. Here, there is a lot of co-operation from the administration, faculty and students. I'm trying to bring whatever changes I can for the betterment of the university.

**The Student:** What was your first impression on the institute before joining as the Vice Chancellor?

**VC:** Even before bifurcation of the state (when I worked as Registrar and after my tenure too), I was having a keen eye on all the three institutes, and by looking at the reports I was under the impression that the institute was going in a wrong direction, I felt that the students are not up to the mark, and are the final sufferers for the injustice being done to them. This institute seemed to be little disturbed from beginning. Though reasons are many, I think the number of strikes that took place in this institute has affected its reputation a lot. I thought the examination system was not up to the mark, so I brought changes in it.

**The Student:** Sir, what do you consider as the main challenge of RGUKT?

**VC:** The main challenge of RGUKT was the recruitment of teaching staff which presently is contractual based. The most essential thing for a university is to recruit permanent staff (teaching and non-teaching). Only then, our University gets permitted by University Grants Commission (UGC). I'm endeavoring to bring a fair name to our university and raise its standards on par with the IIT's.

**The Student:** What are the improvement measures implemented regarding the above challenges?

**VC:** Now the academics have improved. The only problem is lack of faculty, and that is somehow compensated by the guest faculty. Infrastructure wise, we have enough buildings to accommodate all the students, and the labs are also being rebuilt to improve the practical knowledge of the students. There is no doubt in the caliber of the students we have. But, they are lacking exposure of the world outside. So, I want to conduct workshops, arrange for guest lectures, and invite students from other campuses this year.

Image Courtesy: E. Shiva Prasad & M. Akshay

**The Student:** Sir, RGUKT is a source of pride and opportunity for the students of Telangana. So, how do you wish to see RGUKT in the next 10 years?

**VC:** In the coming years, I wish to see this campus at a standard equivalent to that of IIT's, because the motto on which this institute was established is to cater the rural students with quality education. And I hope that, there would be 90% placements in the campus, the coming 10 years.

**The Student:** What are the activities going on in the campus regarding placements and can we expect core companies for Dept's like Mech, Civil, Chem and MME?

**VC:** Yes, we are trying our best. Recently, our placement officer has also visited some companies. I'm also contacting my friends and colleagues regarding placements and internships. But, there are not many jobs in core companies for MME. They have more opportunities in steel plants which recruit people, based on GATE score. So, I suggest them to concentrate more on GATE exam in order to work in core companies. I have also consulted the MD of Hetero drugs. They might be visiting our campus for place-

ments this year.

**The Student:** The students of PUC I have been categorized based on their medium, don't you think that such categorization may bring differences in students?

**VC:** It could be, but they seem happy. It would be easier for Telugu medium students to learn English from the other students and develop their skills and also cope up with them. From next year the students will be segregated during the admissions itself.

**The Student:** When you were a student, was studying fun or a hectic task, and which subject did you like the most?

**VC:** I hailed from a middle class background. My father was a small contractor, and our family was dependent on agriculture. We are 12 siblings, and nobody except I completed their 10th standard. When I completed my 7th standard, and was about to join 8th, my family members decided to put an end to my education. As I realized the importance of education at a young age, I decided to work hard and continue my studies. Initially, I wanted to become a doctor, but I did not get the admission, due to lack of coaching. Then, I decided to complete my B.Sc and M.Sc. My favourite subject was Chemistry, so I completed my Masters in Chemistry, and later, I decided to join Ph.D.

**The Student:** Finally, your message to the students.

**VC:** My message to the students is: First, they should realize the purpose of coming here. Second, they have to realize that education along with discipline, can only change their career. Nobody should compel them to study or get a job. It should come from within, as their life and career is in their hands.

— **V. Sai Dheeraj (B111085 - CHEM)**  
**V. Yaswanth (B111128 - ME)**

### What's new... @ Basar Campus

New Chemical & MME Block



Canteen



Compound Wall



Laundry Building



Placement Cell



Inside Placement Cell



Photography By: D. Jalapathi - B111755\_ECE

Whats New  
Whats New  
Whats New  
Whats New  
Whats New  
Whats New  
Whats New

## SUMMARY OF PLACEMENTS OF 2009 BATCH

S.No	Name of the company	Selects
1	Tech Mahindra	53
2	TCS	36
3	CAPGEMINI	32
4	ITC	6
5	EFFTRONICS	10
6	CA TECHNOLOGIES( result pending)	0
7	Mphasis(pending)	1
8	FMC(pending)	0
9	CRYPIS	3
10	Thought Works	4
11	IBM	34
12	WIPRO	50
13	SAP	1
14	Polmon	1
15	OSMOSYS	1
16	TCS -off campus	11
17	MAHIDNRA & MAHINDRA	0
18	Infosys	31
19	ADP	3
20	BOSCH	16
21	Way to oNline	1
22	Aarvee associates	13
23	DhruvSoft	8
24	CGG	13
25	The Logic People	0
26	Lumons	5
27	Hetero	13
28	TEACH FOR INDIA	1
29	EKTHA INDIA PVT LTD	4
30	MICROPYRAMID INFOR- MATICS PVT LTD	1
31	POLMON	1
32	SUZLON ENERGY LTD	1
33	BRADSOL PVT LTD	1
34	TRADELEAVES PVT LTD	1
35	VIRTUSA	1
36	PAYGURU	1

## Interview with Placement Officer

**What is the present scenario of placements in our campus compared to last year?**

Basically, when you look at the current scenario, the students who are eligible this year for placement drive and the last two years are different. In the last two years, there were 2000 students in each batch, and after that the intake of the students into the campus has been changed to half. So, the number of opportunities created from the side of placement cell, is almost equal to or more than that of the last year. We have almost 7 new companies added to the existing ones this year, and 10 more companies which have not come last year, are also expected to visit. The number of opportunities created last year, was from 63 companies. It is still continuing and may cross 70.



**Why are the branches like CHEM, MME, CE and MECH getting very few core companies for placements?**

It is the same situation in all the other colleges too. We have a new company Hetero which didn't come last year, whereas there was ITC last year. Core companies will have a very limited requirement. If you talk about MME, start counting from institutions like IIT's. They will have not more than four companies for placements. Previously the scenario was different, where PSU's used to go to IIT's to hire. After the Supreme Court's order, that recruitment is being done through GATE rank only, and even the IIT's are also finding it difficult to get opportunities from the core companies for MME and Chemical departments. We are trying our best to get at least 5 companies for each of Civil, Chemical, Mechanical and MME departments.

**How are the RGUKT students performing in companies, and what is the feedback from them?**

In terms of technical aspects, we received very good appreciation from companies like Hetero of Chemical Dept. On the contrary, some software companies are saying that the students are lacking basics. It's actually contradictory statement that we are hearing from the industries. In most of the cases students are above average, but when it comes to core companies, some are exceptionally strong at basics. Hopefully, students will improve and do better in the coming days.

**What are the upcoming placement activities in our campus?**

We will be almost done with 42 companies by the end of the semester, this year. Now, we are concentrating only on core companies. With the announcement of the results from Sia Publications and CGG, it is evident that the number of students who have been placed has crossed the count of 300, and the total is around 327. For this batch, our target is to cross 400 and as a part of it, we are focusing more on bringing core companies like FMC, BOSCH, ADP, MAQ, HETERO, AARVEE, ASHOK LEYLAND, etc. We are also planning to have separate technical and HR trainings, so that we will be able to figure out and categorize the students in a better way for their further training.


**Message to students:**

*"Students of the final year have to note a few points. We place every information about placements in the hub; the kind of requirements that the companies demand and the kind of preparation the students need to follow to get hired. It is recommended that the students utilize their summer vacation in a useful way. The placements would commence from September 1<sup>st</sup> week itself, and this year we are planning to have at least 5 companies with a package of above 5 lakhs."*

— **V. Sai Dheeraj (B111085 - CHEM)**

**V.Yaswanth (B111128 - ME)**

An elephant weighs less than a blue whale's tongue.





# Silly Point

🐝 The reason honey is so easy to digest is that its already been digested by honeybee.

🕒 If a friendship lasts longer than 7 years, psychologists say it will last a lifetime.

😬 Philophobia is a condition in which a person fears the idea of falling in love.

**CHOCOLATE MILK** was invented by Daniel Peter, who sold the concept to his neighbor Henri Nestlé.

😬 The reason your nose gets runny when you cry is because there are little holes in the inner corner of your eye which drains excess tears into your nose.

👁️ All humans have the ability to see ultraviolet light, but it is passively filter out by the eyelens, people who undergo surgery to remove the lens.

We can Have up to seven different Dreams in one Night



🇯🇵 Japans Okinawa Island has more than 450 people living above the age of 100, and is known as the healthiest place on Earth.

🐱 Cats can't meow to communicate with others cats, they meow to communicate with human.




If you put a piece of pineapple somewhere in your mouth it will start eating you. It has proteins that degrade meat.



👂 Right ear is more efficient for listening to speech, while the left ear is better at listening to music.

🚭 An average person who stops smoking requires one hour less sleep at night.




👉 Right handed people live an average, nine years longer than left handed people.

Studies show that eating chocolate can improve your math skills.




🌡️ Due to extreme temperature and pressure, it literally rains diamonds on Neptune and Uranus.



📱 Human behavioral studies suggest that a person who loses their cellphone experiences a panic similar to a near death experience.

🍌 Smelling bananas and green apples (smelling, not eating) can help you lose weight.


Fingers prune underwater not because of them absorbing the water or washing away the oil, but because of an evolutionary trait caused by the brain to enhance the grip of your fingers underwater.




🔋 By charging your laptop battery only upto 80% instead of 100%, you can greatly extend the usable lifespan of the battery.

👁️ If the human eye was an digital camera, it would have 576 megapixels

🐟 Most of the fishes cannot swim backwards. Those that can are mainly members of one of the EEL families.



During winter fill balloons with water and add food coloring, once frozen cut the balloons off & they look like giant marbles or Christmas decorations.

🕒 People who spend prolonged hours working on computers are watching TV are likely to suffer from TATT (Tired All The Time) syndrome.

🕒 Your body is the weakest during 3.00 am – 4.00 am this is the time most people die in their sleep.

There is a metal called Gallium that can melt in your hand!



◇ **R. Divya Vani (B111886 - CE)**  
 ◇ **R. Swapna (B111137 - CE)**

Silly Point  
Silly Point  
Silly Point  
Silly Point  
Silly Point  
Silly Point  
Silly Point

## Driverless cars

—fully automated



development, radar and base sensors are expensive - in fact, they often cost more than the car itself. In contrast with expensive sensors, which recognise objects through a mixture of radar and LIDAR (a remote sensing technology), SegNet learns by example - it was 'trained' by the researchers, who manually labelled every pixel in each of 5000 images.

Once the labelling was finished, the researchers then took two days to 'train' the system before it was put into action. "It's remarkably good at recognising things in an image, because it had so much practise," said Alex Kendall, a PhD student in the Department of Engineering at Cambridge.

This localisation system runs on a similar architecture to SegNet, and is able to localise a user and determine their orientation from a single colour image in a busy urban scene. The system is far more accurate than GPS and works in places where Global Positioning System (GPS) does not, such as indoors, in tunnels, or in cities where a reliable GPS signal is not available. The localisation system uses the geometry of a scene to learn its precise location, and is able to determine, for example, whether it is looking at the east or west side of a building, even if the two sides appear identical.

— **S. Pravalika (B111872 - CSE)**

Scientists have developed two new smartphone-based systems for driverless cars that can identify a user's location and various components of a road scene such as street signs, pedestrians and buildings in places where GPS does not function. The systems can perform the same job as sensors costing tens of thousands of pounds, researchers said. The separate but complementary systems have been designed by researchers from the University of Cambridge in U.K. Although, the systems cannot currently control a driverless car, the ability to make a machine 'see' and accurately identify where it is and what it is looking at, is a vital part of developing autonomous vehicles and robotics.

The first system, called SegNet, can take an image of a street scene it has not seen before and classify it, sorting objects into 12 different categories - roads, street signs, pedestrians, buildings and cyclists - in real time. It can deal with light, shadow and night-time environments, and currently labels more than 90 per cent of pixels correctly.

Previous systems using expensive laser or radar based sensors have not been able to reach this level of accuracy while operating in real time. Users can upload an image or search for any city or town in the world, and the system will label all the components of the road scene. The system has been successfully tested on both city roads and motorways.

For the driverless cars, currently in

## Normal observation ...!!!! scientific reason....

**Why do tractors have small front wheels and large rear wheels?????**

We usually observe tractors in agricultural fields and in many more places for various purposes. Many of us may have a question of why the tractors have wheels of different size. This is a very usual doubt but very few know the answer. The main reason behind this engineering is that the front wheels in most of the tractors are connected to a drive shaft. It is easy to turn the whole body of the tractor, and also the moment of force about the point of contact at the ground, caused by a torque applied at the axis of the drive wheels (front) is less. Whereas, if we arrange both the wheels of same size we require more torque, so extra force is required to turn the tractor. That high amount of force required by the drive shaft cannot be applied by the steering. This is one of the reason. Besides it also ensures the position of the driver, so the driver can view the total field on what he is working.



Friction is very low in marshy soils, where tractor cannot move easily. It was the major challenge for engineers, who overcame this problem by making an efficient plan to solve this, with their intelligence. They have arranged larger grips to both the rear wheels, ensuring easy movement in the marshy soil by increasing friction. Thus, front and rear wheels have specific importance.

Front wheel ensures the direction and back wheel gives stability, enabling the smooth working of tractors. Tractors have been a boon to farmers life and this is what an engineer does i.e., he provides solutions to the problems and makes people's life easier.

— **Pavan Dharma (B151255)**

## Li-Fi Technology

— *the fastest internet*

**L**i-Fi (Light Fidelity) is a bidirectional, high speed and fully networked wireless communication technology similar to Wi-Fi. Li-Fi is a subset of Optical Wireless Communications (OWC) designed by Prof. Harald Haas. It is one of the contexts of data broadcasting. It is so far measured to be about 100 times faster than Wi-Fi, reaching speeds of 224 gigabits per second. It is wireless and uses visible light communication or infra-red and near ultraviolet (instead of radio frequency equipment waves) spectrum, part of optical wireless communications technology.



### TECHNOLOGY DETAILS:

This OWC technology uses light from light-emitting diodes (LEDs) as a medium to deliver networked, mobile, high-speed communication in a similar manner to Wi-Fi. The general term Visible Light Communications (VLC) includes use of any portion of the visible light of the electromagnetic spectrum to transmit information. This works by switching the LEDs off and on at a very high rate, too quick to be noticed by human eye. Although Li-Fi LEDs would have to be kept on to transmit data, they could be dimmed to below human visibility while still emitting enough light to carry data. The light waves cannot penetrate through walls which makes a much shorter range, though more secure from hacking, relative to Wi-Fi. Direct line of sight isn't necessary for Li-Fi to transmit a signal; light reflected off the walls can achieve 70 Mbit/s.

Li-Fi has the advantage of being useful in electromagnetic sensitive areas such as in aircraft cabins, hospitals and nuclear power plants without causing electromagnetic interference. Both Wi-Fi and Li-Fi transmit data over the electromagnetic spectrum, whereas Wi-Fi utilizes radio waves, Li-Fi uses visible light. Wi-Fi is close to full capacity, Li-Fi has almost no limitations on capacity. The visible light spectrum is 10,000 times larger than the entire radio frequency spectrum. Li-Fi is expected to be ten times cheaper than Wi-Fi. Shorter range, low reliability and high installation costs are the potential downsides.

Explanation:

The first VLC smartphone prototype was presented at the Consumer Electronics Show in Las Vegas from January 7th to 10th in 2014. The phone uses Sun Partner's Wysips Connect, a technique that converts light waves into usable energy, making the phone capable of receiving and decoding signals without drawing on its battery. **Example:**

Philips lighting company has developed a VLC system for shoppers at stores. One has to download the app on smartphone and then it automatically works with the LEDs in the store. The LEDs can pinpoint where they are located in the store and give the corresponding coupons and information about what they are, based on the aisle on which they are present.

— **S.Pravalika (B111872 –CSE)**

## X-ray vision?

— *Software eyes can pierce walls*

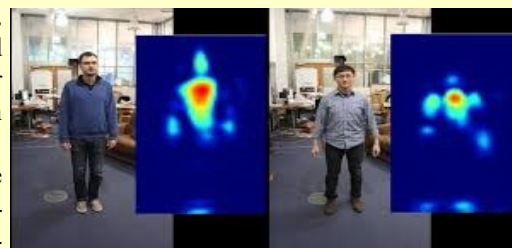
**I**t uses variations in radio signals to recognize human silhouettes (outline of a solid object) and track movement. X-ray vision, a comic book fantasy for decades, is becoming a reality in a lab at the Massachusetts Institute of Technology (MIT).

### WHAT IS X-RAY VISION:

X-ray vision is the ability to see through physical objects clearly or everything under the body, which our normal eye can't see.

### USES IN-REALITY:-

X-rays have many practical uses for scientific and medical imaging. Security agencies are experimenting with applications of imaging devices which can "see" through the clothing (using terahertz waves). Such devices are being deployed in some airports as a way of detecting contraband, such as guns, knives and any other weapons, in particular which may be carried beneath a person's clothing, bag and etc.



In comic books in the latter half of the 20th century, there often appeared an advertisement for "X-ray Specs" which displayed the face of a smiling boy wearing glasses with spirals on the lenses and looking at his hand through which he could see the bones.

While X-rays cannot be used in practice to enable seeing objects through walls, researchers have recently shown how everyday wireless signals, such as Wi-Fi, can be used to achieve X-ray vision and also it can be achieved by radio signals. Group of researchers, led by Professor Dina Katabi, has developed software that uses variations in radio signals to recognize human silhouettes through walls and track their movements. Researchers say that the technology will be able to help health-care providers and families to keep closer tabs on toddlers and the elderly, and it could be a new strategic tool for law enforcement and the military.

"Think of it just like cameras, except that it's not a camera," said Fadel Adib, a researcher on the MIT team developing the device. "It's a sensor that can monitor people and allow you to control devices just by pointing at them." Work began in 2012 to determine how wireless signals could be used to "see" what's happening in another room, said Professor Katabi, who directs the MIT Wireless Centre.

The device displays the signal on a screen, where the person's movements can be tracked in real time. It depicts the target as a red dot moving around the room, occupying a chair and speeding up or slowing down. A company set up to market the technology, now dubbed Emerald, will spin out of the MIT lab next year, with a goal of marketing the device early in 2017 at \$250-300, Mr. Adib said.

— **S.Pravalika (B111872 - CSE)**

# Wearable computers

-an emerging arena

**W**earable computers, also known as body-borne computers or wearables are miniature electronic devices that are worn by the bearer under, with or on top of clothing. Wearable computers are computers that can be easily carried on the body or systems with a heads-up display or speech activated. An example of this is “Google Glass”, which combines innovative displays with some novel gestural movements for interaction.

Steve Mann, a professor at the University of Toronto, was considered as the father of the wearable computer. It have been initially developed in task-specific applications like camera-based welding helmets, or for everyday use like computerized "digital eyeglass" and was applied with sensory integration so as to help people see better and make them understand the world better e.g., behavioral modeling, health care monitoring systems, service management, mobile phones, smartphones, textiles.

*The wearable computer was introduced to the US Army in 1989 as a small computer that was meant to assist soldiers in battle.*

## Features:

One of the main features of a wearable computer is consistency. There is a constant interaction between the computer and user, i.e., there is no need to turn the device on or off. Another feature is the ability to multi-task. It is not necessary to stop what you are doing to use the device; It can be augmented into all other actions. These devices can be incorporated by the user to act like a prosthetic. It can therefore be an extension of the user's mind and body.

## Popular culture:

**3D User Interface:** Devices to display usable interfaces wherever you are.

E.g.: Minority Report, Gate Workers in Zion (Matrix), etc.

**Intelligent Textiles:** Clothing that can relay and collect information.

E.g.: Tron and also many Sci-Fi Military movies.

**Threat Glasses:** Scan others in vicinity and assess threat-to-self level.

Ex: Terminator 2 or 'Threep' Technology in Lock-In

**Computerized Contact Lenses:** Ex: Mission Impossible 4

**Combat Sut Armor:** Ex: Iron Man Suit

**Brain Nano-Bots to Store Memories in the Cloud:** Ex: Total Recall

**Infrared Headsets:** Can help identify suspects and see through the walls.

Ex: Robocop.

**Wrist worn Computers:** Various abilities such as wearer's stats, area maps, inventory, flashlight, geiger counter (Pip Boy 3000) or communications, laser, detect poison in food, tracking device (Leela's Wrist Device).

Ex: Pip Boy 3000 from Fallout games and Leela's Wrist Device from



Futurama.



— S.Pravalika (B111872 –CSE)



# SUNDAR PICHAI

—CEO of Google

India-born Pichai Sundarajan has been named the new Chief Executive of Internet-giant Google. This news came on the back of a new holding company Alphabet, which will host Google and its other businesses as subsidiaries. Co-founder and current CEO of Google, Larry Page announced the inception of Alphabet, Google's new holding company. Larry Page will step down as Google's Chief and Pichai will take over his



position. Page will take the helm as the new CEO of Alphabet.

Sundar Pichai was born in Chennai on July 12, 1972 and his original name happens to be Pichai Sundarajan. He did his schooling from GRT Mahalakshmi Vanavani School, which was in the Indian Institute of Technology, Chennai campus. He graduated from IIT Kharagpur as a Metallurgical Engineer, and holds a Post Graduation (MS) from Stanford University. He also holds an MBA from Wharton School of University of Pennsylvania. He has keen interest in cricket and was the captain of his school cricket team.

Sundar Pichai joined Google in 2004 as the Head of Product Management and Innovation Efforts leading the team working on Google's Chrome browser and operating system. He recently served as the company's Senior Vice President of products. He was the one who started **Google search tool bar** when Internet Explorer was dominating the Internet world. Pichai launched **Chrome browser in 2008**, which became the game changer in the browsing world.

Sundar Pichai took charge of Gmail and Google Docs in 2011. The same year he was promoted to Senior Vice President of the company. After a year in 2013, Pichai was made the Head of Android and in 2014, the Google Product Czar. The same year he was named the company's Product Chief where he brought in services like **Google Maps and Google+**.

Sundar Pichai is referred to as Larry Page's right-hand man. While announcing Alphabet, Page's blog post said, "Sundar has been saying things I would have said for quite some time now and I have been tremendously enjoying our work together."

Pichai said, "For me, it matters that we drive technology as an equalizing force, as an enabler for everyone around the world. Which is why, I do want to see Google push and invest more in making sure computing is more accessible, connectivity is more faster."

— M.Rajani (B111632)

# Resolutions for the new Semester

One of the greatest things about college is the feeling of having a clean slate each semester with new classes, a new schedule and a new opportunity to succeed. If you want to save time, achieve more and have a satisfying semester, invest a little time in the beginning itself to get everything organized. Take a few moments to review some of the following tips on coordinating things well.

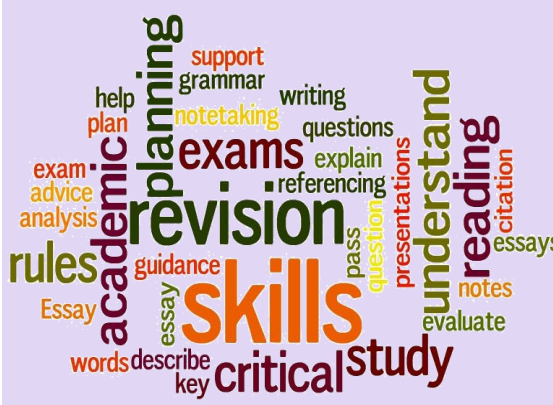
Identify your goals for the semester. Be specific about what you want to achieve. You may have several things you wish to accomplish, like obtaining a 9.0 GPA, learning Yoga and/or developing a resume. Break these goals into component parts so you can make small steps to achieve them. Write your goals on a paper and review them often. This simple step can keep you motivated and on track.

Invest in a calendar or a schedule book. Note where you are supposed to be during the day and record due dates for assignments or tests. To aid studying, count backward to the dates you should begin research papers, projects.

Organize your desk or work space. Label your notebooks for each class and keep a file with handouts and syllabi for each course. Approach your courses as if there were an important job. Remind yourself what you want to learn from each class. If a course is proving difficult, consult your faculties.

Take a few moments and honestly reflect on how you handle study time. Consider when you do your best work and keep this time reserved for study. If your first plan does not work, examine why. Make some adjustments and try again, but do not give up. Sometimes having a routine helps. Try studying one or two subjects each night. Complete reading assignments as they are assigned rather than waiting. Your recall will be

better if you have worked with materials gradually, over time. Enjoy the feelings of accomplishment each day when you finish your study time. Reward yourself afterward. Make a game of saving time. Find additional "free" time for yourself by efficient time management. Strive to keep some balance in your life. In addition to working hard at college, care for yourself by exercising, maintaining meaningful social connections and having leisure time. Keeping your stress levels down can help you work "smart" rather than just working "hard". In the long run, this can help you stay organized.



— Jashiya Anjum (B141189)

Miscellaneous  
Miscellaneous  
Miscellaneous  
Miscellaneous

## Maggi Ban & It's Mighty Come Back

**W**ell, all of you might be aware of the word Maggi, India's favourite noodles. If you ask someone what you can cook, they could safely say Maggi in the early 80's. It came up with the tagline "fast to cook, good to eat". After a few decades, it repositioned itself with a tagline "Taste bhi, Health bhi"

It is an instant snack as it takes just 2 minutes to cook, an unmissable feature in the middle class Indian household. Children played an important role in influencing the buying conditions, subsequently the brand name was emphasized.

### Abrupt banning of Maggi :-

After the collection and testing of Maggi samples manufactured in March 2014, it was reportedly found that it contained high lead content and MSG (Monosodium Glutamate). The instant noodles brand was put under scrutiny by various State governments and Union Consumer Affairs Ministry.

In May 2015, FSSAI (Food Safety and Standards Authority of India) from Barabanki, a district of Uttar Pradesh in India, reported that samples of Maggi 2 Minute Noodles had unexpectedly high levels of MSG. Nestle India's Maggi noodles was first banned in Uttar Pradesh by FSSAI claiming that the product contained MSG much more than the prescribed level i.e., up to 17 times the permissible limit of lead.

### What does MSG actually stand for? What does this really cause?

Monosodium glutamate (MSG) is a popular preservative and flavor enhancer, often the star ingredient in many of restaurant-style Chinese meals (roadside recipes). It is not only found in Maggi noodles but also found in most packaged foods, from potato chips to soups and canned meats. MSG can cause many adverse reactions such as headache, flushing, sweating, fluttering heartbeats, chest pain, nausea and weakness. Researchers have reasoned out that MSG is often linked with rising obesity rates and inflammation within the body, particularly the liver. Researchers also concluded that it contains more levels of lead, which affects every organ system such as nervous system, bones, teeth, kidneys, cardiovascular, immune, and reproductive systems. Hearing loss and tooth decay have been linked to lead exposure, as it has cataracts.

### Banning lasts:

After being banned by UP Government, some of the India's biggest retailers like Future Group which includes Big Bazaar, Easyday and Nilgiris have imposed a nationwide ban on Maggi. Thereafter multiple state authorities in India found an unacceptable amount of lead and it has been banned in more than 5 other states in India. On 4 June, 2015 the Government of Tamil Nadu also banned Maggi due to unacceptable amount of lead and other components. On June 5, the Andhra Pradesh Government banned Maggi.

### Testing Issues:

On June 5, the FSSAI said that the prescribed standards of 2.5 parts per million would have to apply to all components of the product. Out of the 13 samples tested by Delhi authorities, 10 of them had lead content exceeding this limit. The original sample from Uttar Pradesh, which raised the alarm in the first place, had 17.2 ppm of lead. Nestlé also questioned reliability of the labs used. Testing outside of India (Singapore & USA) resulted in reports that Maggi noodles are safe. In the later



Bombay High Court judgment, the court agreed that the test results by the earlier labs were unreliable. The court mandated that testing has to be done at three specific laboratories (Punjab, Hyderabad and Jaipur) where Maggi was found safe. Some lead occurs naturally in plants and soil, some lead is found in

Indian spices, although within acceptable limits. Sarcasically, the Bombay High Court allowed the export of Maggi while the ban in India remained.

### Striking on ambassadors:-

FIRs against Bollywood Maggi brand ambassadors, Amitabh Bachchan, Madhuri Dixit & Preity Zinta were charged by Sudhir Kumar Ojha, a lawyer at Muzaffarpur district court, asking the authorities to arrest them if required. He complained that he fell sick after eating Maggi which he had purchased from a shop at Lenin Chowk on May 30. (source:wiki)

### Nestle comes up with miss u Maggi adds:-

Although banned by Bombay High Court, Maggi hasn't let its guns down. They made some short films which reflect the spontaneity and affection between consumers and Maggi. They want to share the warmth of their relationship through these films. These ads were also backed by the hashtag # we miss u Maggi, these things went viral on twitter. The Bombay High Court has lifted the ban in its order dated August 13, giving a six-week deadline to prove that the product is safe.

### Maggi mighty come back:-

On Oct 16, 2015, Nestle India announced that all the 90 samples covering six variants tested by three labs mandated by the Bombay High Court are clear with lead below permissible limits. Manufacturing will commence and sales will begin after newly manufactured products are also cleared. In November, Nestle India announced that samples of newly manufactured Maggi noodles are also cleared by labs.

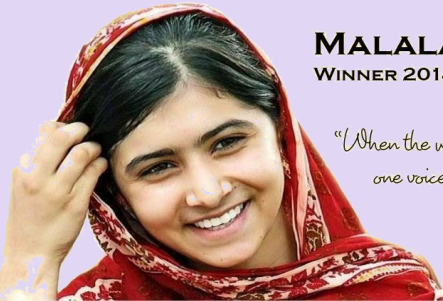
### Finally back in Shelf's:-

After having been gone through the hard phase in Indian judiciary, finally rolling out of newly manufactured Maggi noodles begins. Fans of Maggi are happy as the noodles brand makes its come back into the shelves. Nestle India, which manufactures the product, had re-launched Maggi noodles on November 9 and commenced sales in several parts of the country.

— **Kothapelly Manideep (B111718)**

## Malala Yousafzai

**M**alala Yousafzai is a Pakistani activist for female education and the youngest ever Nobel Prize laureate.



**MALALA YOUSAFZAI**  
WINNER 2014 NOBEL PEACE PRIZE

*"When the whole world is silent, even one voice becomes powerful."*

A mighty GIRL

**Born:** July 12, 1997 (age 18), Mingora, Pakistan.

**Books:** "I am Malala"

**Awards:** Nobel Peace Prize 2014, Sakharov Prize

Hurrah for Malala Yousafzai. Her tireless work for girls' rights to education all over the world has just been awarded with the highest accolade imaginable: The Nobel Peace Prize. She is the one who fought against child marriages, child labour and also fought for the development of education. She's been campaigning for girls' rights since she was 11 years old, when she lived in Pakistan's Swat Valley, where Talibans banned girls from attending schools and she also blogged about the importance of young girls going to school.

Her efforts resulted in her being shot in the head by Taliban militants when she was just 15, in 2012. But, Malala survived the shocking assassination attempt and decided to teach them a lesson. From that day onwards, she went to all homes of her village and started motivating children about education and she mostly concentrated on child labour.

United Nations designated July 12, her birthday, as 'Malala Day' – a day of global campaigning for a child's right to receive an education.

It's not surprising that she's just announced that she hopes to be the Prime Minister of Pakistan one day. "If I can serve my country best through politics and by becoming a Prime Minister, then I would definitely choose that", she told the BBC.

When she is giving speech about children, she said:

- \* Let this be the last time a girl or a boy spends their childhood in a factory.
- \* Let this be the last time that a girl is forced into early child marriage.
- \* Let this be the last time that a child loses life in war.
- \* Let this be the last time that we see a child out of school.
- \* Let this end with us. Let's begin this ending together, today, right here, right now. Let's begin this ending now.

So, I (Padmaja) conclude that one girl (Malala) has changed her village. Similarly, if we are united and emphasize child education then we can change our country into a developed nation. Let us join our hands. We can do anything.

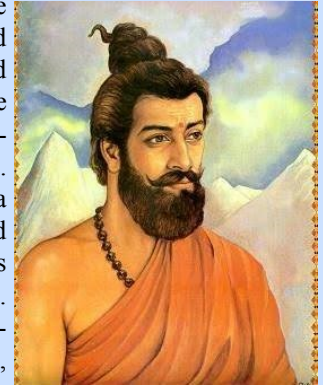
— **K. Padmaja (B131185)**

## MAHARSHI KANADA

— *The Great Indian Scientist*

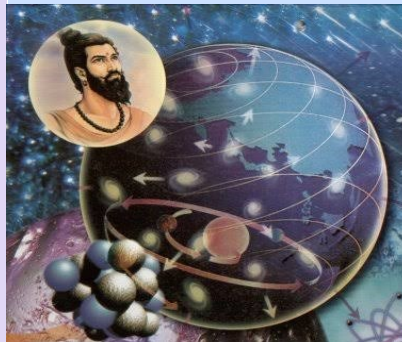
India is like a mother to the world of science. It had many great scientists who were not recognized and admired properly. One such great scientist was Maharshi Kanada.

Kanada was a Hindu sage and a philosopher who founded the philosophical school named "Vaisheshika" and wrote "Vaisheshika Sutras". He probably lived around 2<sup>nd</sup> century B.C. He studied about Rasaveda (Alchemy). In Rasaveda, he said that, "All matter of living beings is composed of five elements. Vegetables have only water, insects have both water and fire, birds have water, fire, earth, air and ether, and the humans have all these five elements." Not only these five, but also a great sense of mind.



He was the first person to propose the theory of Atomic structure. He divided the matter into further indivisible particles called Anu (atom), Divyanu (Diatomic) and Triyanu (Triatomic). Before the period of Newton, he said that the Earth has gravity and also that the temperature is about 6000°C at its center. He was also the first one to invent the watch which gives time in seconds. He even said about the origin of the Earth i.e., he proposed the Big Bang theory during Vedic period.

The Greek and Rome scientists argued that it was them who proposed all these. At that point of time, our Indian History has not yet been recognized and accepted by many. After many years, A.L. BASHAM, the veteran Australian Indologist and a great philosopher Dilip M. Salwai analyzed Maharshi Kanada Sutras about Atomic Theory and concluded that it was far more advanced than those forwarded later by the Greek philosophers, Leucippus and F. Democritus.



— **K. Balaji (B141795)**

# Tribute to Dr. APJ ABDUL KALAM

*People's President*

Some leaders are born, some are made but all differ from one another in terms of the circumstances that they have faced. Dr. A.P.J. Abdul Kalam is such an example. This son of

loved the children. He spent a lot of time with children, teaching and delivering the lectures to students. Whatever he taught and said was from his experience and implementation.



the earth who had very humble beginning turned out to be the President of the country and contributed to the aeronautical and the defense research tremendously. Dr. Kalam belongs to a breed who sees lofty dreams and then transform them into reality. He is a true Indian. He has never left his roots despite of his astounding success as a scientist. He is still the figure of humility and humanity that many of us can look upon to.

His favorite quotation which he lives by is, "We must think and act like a nation of a billion people and not like that of a million people. Dream, dream, dream! Conduct these dreams into thoughts, and then transform them into action."

Born in a small town in Tamil Nadu in 1931, Kalam always encouraged young people to follow their dreams and genuinely believed India could be the next superpower. He advocated as much through his best-selling books like India 2020, A Vision for the New Millennium and Ignited Minds, Unleashing the Power Within India as well as his iconic autobiography, Wings of Fire. He was awarded the Bharat Ratna in 1997, the Padma Vibhushan in 1990 and the Padma Bhushan in 1981.

Not only as a scientist, he served the nation in other means as well. He became the 11th President of India (2002-2007). Widely referred to as the "People's President". He returned to his civilian life of education, writing and public service after a single term. He served the nation by igniting the minds of young Indians and

headed intelligence.

Such an ardent, amicable and most inspiring men has ever seen is no more. The Missile Man of India collapsed from

an apparent cardiac arrest while

delivering a lecture at the Indian Institute of Management Shillong on 27 July 2015, aged 83. His body was flown to the country's capital, New Delhi, where it was received by the Chiefs of all three military branches as well as several politicians including Indian Prime

Minister Narendra Modi and current President Pranab Mukherjee. It was then taken to his residence in the city in order to pay their respects before being flown to his hometown Rameshwaram, Tamil Nadu, for the last rites.

The man and his achievements speak for themselves. It has always been a delight to hear his speeches, read about him. The spark in him ignited so many minds that it is impossible to pay a true homage to such a personality having said that a personality might pass but his thoughts, principles and ideas live long, live so long that they become parts of our personality and our thoughts. What better respect can we give this

man than living up to the ideals he shared and helped us rethink our lives in a fresher way.

"Each individual creature on this beautiful planet is created by God to fulfill a particular role. Whatever I have achieved in life is through his help, and expression of his will. We all are born with a divine fire in us. Our efforts should be given wings to this fire and fill the world with the glow of its goodness", Kalam said the above in his autobiography.

He believes, "A nation needs both economic prosperity and strong security for growth and development. Let us be more dedicated in making great achievements than in running after swift but synthetic happiness to make our country rich in all means."

**MISSILE MAN**

Dr APJ Abdul Kalam, the 11th President of India, dies at 84

- Distributed newspapers after school to help his father
- Was project director of India's first satellite launch vehicle, which deployed the Rohini satellite in earth's orbit, in 1980
- Was chief project coordinator during the POKHRAN-II NUCLEAR TESTS
- Developed a low-cost coronary stent called 'Kalam-Raju Stent' with Dr Soma Raju
- 40 universities have given him honorary doctorates. Also awarded the Padma Bhushan, Padma Vibhushan and Bharat Ratna

"A dream is not that which you see while sleeping, it is something that does not let you sleep."

"My message, especially to young people, is to have courage to think differently, courage to invent, to travel the unexplored path, courage to discover the impossible and to conquer the problems and succeed," he once said. "That these are the qualities that they must work towards."

**Jai Hind!..**

— **Nizamoddin (B111110 - ECE)**

## International Yoga Day

International day of Yoga is also called as the World Yoga day. Yoga was originated 5000 years ago in India. Yoga is said to be holistic approach to health and well-being and connecting man and nature. It may also help in dealing with climate change by changing our lifestyles and creating consciousness.



Children with some physical disability performing yoga at a session conducted by the Akshar Power Yoga Academy in Bangalore, India.

United Nations declared that 21<sup>st</sup> of June, 2015 is to be celebrated as the 1<sup>st</sup> International Yoga day. The reason behind selecting this very day is, it is the longest day in Northern hemisphere. Declaration was done by our Prime Minister, Narendra Modi by adopting this day as International Yoga day to get all benefits of yoga throughout the world. It is great to say that this great achievement is initiated by our India.

### WORLD YOGA DAY CELEBRATIONS :

In celebration of Yoga day, Sri Sri Ravishankar and other spiritual gurus also participated. It is celebrated by the people of more than 170 countries including USA, China, Canada, Pakistan and Saudi Arabia etc. Celebrations included activities like yoga training camps and yoga competitions.

### Is it necessary to do Yoga daily??

In this busy mechanical and technical life to reduce the work stress we need to do YOGA.

- ◇ It can make you feel active, energetic and positive.
- ◇ Yoga reduces health diseases and has no side effects at all.
- ◇ Yoga enhances growth, development and spreads peace all through the world.
- ◇ We should make people aware about the benefits of yoga, let them practice daily and make it as a habit.
- ◇ You cannot always control what happens in outside environment but you can control what goes on inside our mind.

Let us work towards adopting an “International Yoga day”  
LIVE LIFE TO ITS FULL POTENTIAL

— **Swapna Rudra (B111137)**

## Ira Singhal

Hi friends..!!!The differently abled have to go to the extra mile to do things on their own. Sometimes the great achievements of such people makes us rethink that how stubborn we are in pursuing our passions. Recently, Ms. Ira Singhal, the first differently abled woman to top the UPSC exam have drawn the attention of people.

30 years old Ira Singhal was born in Delhi to Rajendra and Anita Singhal. She did her schooling at Shophia Girls School in Merut and Loreto convent school in Delhi. She was rejected for admission at Modern School, New Delhi for she is differently abled and not ‘good enough’ to study with others. But she was topper at her school. She studied Engineering, specialized in CSE in NSIT (Netaji Subhas Institute of Technology) and MBA from FMS (Faculty of Management Studies) in Delhi.

Without having any premature knowledge, she gave her first attempt of Civils in 2009. But she couldn't make it so, she made up her mind to give next attempt by undergoing coaching. This time her hard work wasn't in vain. She cracked the Indian Revenue Services (IRS). Unfortunately this time too bad luck hit her. She was rejected for the post (IRS officer) for she is being suffering from Scoliosis/ Curvature of spine (a locomotory progressive disease which affects the bones, joints, muscles and leads to substantial restriction on movement of limbs). But the disability itself has never hampered her. She didn't keep quiet, she decided to fight back. She filed a case in Central Administrative Service saying violation of articles 14 and 16 of pwd act. This case was rejected in 2011 and she could not attempt exam in 2012 for she needed to clear the case in the court before attempting again. After a long fight, she finally won the case in 2014. She was inducted as the Assistant Commissioner in the Customs and Central Excise Service.

But she was not contented with her achievement and desired to set a benchmark. With indomitable determination she tried her luck again. This time she came out with flying colors. On 4th July 2015, there was a flow of success and happiness stricken at the door of Ira Singhal who secured AIR 1 in Civils. In an interview she told that “ I am overjoyed by exam results. I want to be an IAS officer. I want to do something for the benefit of physically handicapped people and has a crazy desire to serve my country ”.

She proved that disability is not an obstacle for her destiny. She was just physically disabled but not mentally. With strong will power anyone can achieve anything what they dream of. This success story sets a moral to us and Ms. Ira Singhal stood as a real model of inspiration to the nation.



— **Mohmmad Akram Pasha (B101319)**

## How snakes lost their legs

**Y**es! Snakes lost their limbs when their ancestors evolved to wriggle through burrows, and not in order to live in the sea, according to a new analysis of a 90 million year old reptile fossil skull. Comparisons between CT scans of the fossil and modern reptiles indicate that snakes lost their legs when their ancestors evolved to live and hunt in burrows, which many snakes still do today. The findings from University of Edinburgh in the U.K. show that snakes did not lose their limbs in order to live in the sea, as was previously suggested.



Scientists used CT scans to examine the bony inner ear of *Dinilysia patagonica*, a 2 metre long reptile closely linked to modern snakes.

These bony canals and cavities, like those in the ears of modern burrowing snakes, controlled its hearing and

balance. They built 3D virtual models to compare the inner ears of the fossils with those of modern lizards and snakes. Researchers found a distinctive structure within the inner ear of animals that actively burrow, which may help them detect prey and predators. This shape was not present in modern snakes that live in water or above ground.

The findings help scientists fill gaps in the story of snake evolution, and confirm *Dinilysia patagonica* as the largest burrowing snake ever known. They also offer clues about a hypothetical ancestral species from which all modern snakes descended, which was likely a burrower.



How snakes lost their legs has long been a mystery to scientists, but it seems that this happened when their ancestors became adept at burrowing, said Hongyu Yi, of the Edinburgh's School of Geo-Sciences, who led the research. The inner ears of fossils can reveal a remarkable amount of information, and are very useful when the exterior of fossils are too damaged or fragile to examine.

— **K Padmaja (B131185)**

## Challenging the GOOGLE

**F**riends if you are fed up to surf everything merely in Google giant, then have a glance on this incredible, inevitable issue which depicts all about a 16-year-old going by the name Anmol Tukrel, an Indian-Canadian boy who has developed a personalized search-engine that claims to be as high as 47 percent more accurate than GOOGLE.

He set the world on fire by designing this new search engine as a part of a project to submit to the Google Science Fair, which is a global online competition open to students aged 13 to 18 years.

Anmol Tukrel who has just completed his tenth grade stated that he took a few months to design this project and approximately 60 hours to code the engine. In conversation with The Times Of India, he said, "I thought I would do something in the personalized search space. It was the most genius thing ever. But when I realized Google has already done it, I tried taking it to the next level."



**My Search Engine is Better Than Google**

His development kit included only a computer with at least 1GB of free storage space, a python-language development environment, a spreadsheet program and access to Google and New York Times. The report points out that for the better accuracy of his search engine, Tukrel limited the search query to this year's articles from the New York Times. His search engine is better than Google because not only does it take into account the location or browsing history, but also tries to understand context and meaning.

Tukrel has submitted his paper of research and findings to the International High School Journal of Science. He now hopes to study further with computer science at Stanford University. He is presently running a small company on his own, named Tacocat Computers, with consent from his parents.

— **B. Soundarya (B111430)**

## మా స్నేహం

## AGAINST WOMAN HARRASEMENT

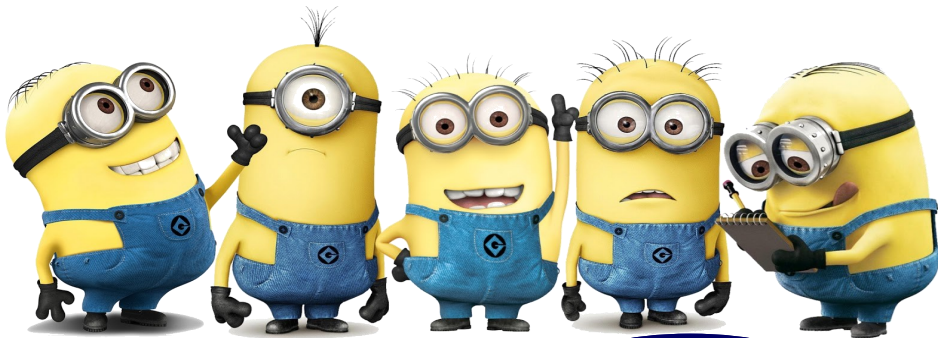
## గోదావరియే

మనసులోని భావాలకు మాటలు చాలవేమో  
 నా జీవితంలోనే అద్భుత క్షణాలనిచ్చింది  
 ఆర్ జి యు కె టి.  
 ఇంకా కనులలోనే మెదులుతున్న కాలేజీలో మా మొదటి  
 రోజు  
 నా స్నేహితులతో తొలి పరిచయాలు  
 మనది ఒక కుటుంబం అనుకున్న మాటలు.  
 చిలిపి అల్లరులు  
 వేసిన సెటైర్లు  
 సిల్లి సిల్లి గొడవలు  
 సమస్యలతో చేసిన స్ట్రైకులు  
 ఎగ్జామ్స్ తో కుస్తీ పడిన రోజులు  
 మెస్ లో మాటల సందడులు  
 క్యాంపస్ లో సరదా కబుర్లు  
 ఔట్ పాస్ కై చెమటోడ్డిన క్షణాలు  
 మరచిపోలేని మధుర జ్ఞాపకాలు  
 గుర్తుకు వచ్చిన ప్రతీసారి  
 పెదవిపై చిన్న చిరునవ్వు  
 మనసులో ఏదో తెలియని బాధ  
 విడిచి వెళ్ళాలి, తప్పదు,  
 ఇది తెలిసి కూడా మనసు మాట వినదు.  
 నా స్నేహితులు, నేను, ఈ క్యాంపస్.  
 వాళ్ళతో ఈ మధుర క్షణాలు.  
 ఎప్పుడు ఇలాగే ఉంటే ఎంత బాగుండు.  
 కాని ఏ ప్రయాణమైనా గమ్యం చేరక తప్పదు.  
 క్యాంపస్ లో మా B10 మిత్రుల ప్రయాణానికి ఇది తుది.  
 కాని ఎప్పటికీ తుదిలేనిది మా స్నేహ ము.  
 మా స్నేహానికి చిరునామా మా క్యాంపస్.  
 — మానక పడకంటి (B101942-ECE)

ఓ లేడికూన!  
 వదిలొచ్చావా అరణ్యం  
 ఇది మదమ్మగాల నరరణ్యం  
 విలువలు శిలువలై బంధాలు బందీలై  
 శిథిలమైన ఈ ప్రపంచంలో జర పదిలం!  
 ఒంటరని గుంటనక్కలు దారి కాచి ఉన్నాయి  
 నా మాట విన తిరిగి వెళ్ళిపో .  
 అయ్యో! వినకుండా వెళ్లి పడ్డావే ఉచ్చలో  
 నీ ప్రాణమైన మానం  
 రక్షించు వారు శూన్యం  
 నీ బాధ మరో ద్రాపది గాధ  
 బ్రతికించదు దైవం  
 బ్రతుకిచ్చేది దైర్యం  
 ఎప్పుడూ పరుగుకై ఆరాటం  
 ఏనాడు చేశావు పోరాటం?  
 పలుమారు పరుగిడి వదిలేవు ప్రాణం  
 ఒకమారు తిరుగబడి చేయు రణం  
 అశ్రువుల ధార భారమొంచక దూరముంచి  
 నరము బిగించి తెగిన కరమున శరమునెంచి  
 మదమెక్కిన వాడి శిరము తెంచి  
 గుణమున సోయగాల మల్లెలు  
 రణమున తల కోయగల ముల్లులని  
 ఎల్లలు వల్లెలు వేసేలా సాటిచెప్పు.  
 —కె.వి.శ్రీనివాసులు (B091266)

పచ్చని వసంత మయూరి నాట్యాల మధ్య,  
 చిటపట కురిసే తుంటల చినుకులతో,  
 వయస్సొచ్చిన వన్నె అయి పరుగులు పెట్టే,  
 గోదావరి!  
 కోకిల గానం, కొమ్మల రాగం,  
 కుంటాల సంగీతం.  
 వీచే గాలుల వెచ్చదనం,  
 పూసే పువ్వుల పరిమళంతో,  
 చూసి నవ్వెనే భద్రాద్రిరామున్ని,  
 ఈ గోదావరి!  
 పచ్చని కొండల మధ్య,  
 ఉషోదయపు కాంతి ముద్దుడగ  
 దాగిన సిగ్గుల అందంతో  
 మెలికలు తిరిగేను గోదావరి!  
 హంస నడకల వంపుసాంపులు చూసి,  
 కుర్ర గాలులే వెంట పడగ.  
 ముసి నవ్వులు నవ్వుతూ ముందుకు సాగే,  
 నాసిక త్రయంబక స్వరూపిని!  
 పుష్కర కాలం, పుణ్యతీర్థం.  
 చూడడానికి వచ్చిన వారిని చూసి  
 గోదావరియే గోదాదై పరవళ్ళు  
 తొక్కే పడుచు పిల్లై.  
 కోరిన వారిని కాదని  
 కదిలి వెళ్ళెను కడలికి.  
 కాదని అనెను కంత్రి గాల్లని!  
 గోదావరి నది ఒక అమ్మాయి అయితే, ఆమె  
 అందాన్ని చూసి కుర్రగాలులు అనే అబ్బాయిలు  
 వెంటపడితే ఆమె వారిని పట్టించుకోకుండా  
 వెళ్ళిపోయింది. (గోదావరి అనేది ఒక నది పేరు)

— బిమాల ప్రశాంతి.బి (141051)



## ప్రకృతి - ప్రేమ

పూర్వం విశ్వసారమునే రాజ్యముండేది. అందులో భూమి అనే ఓ అందమైన అమ్మాయి ఉండేది. అందానికి మినహాయింపుగా కళ్ళు, చెవులు వాడే అవకాశం ఆ దేవుడు ఇవ్వలేదు అంటే గుడ్డిది, చెవిటిది. అక్కడే సూర్యుడు అనే ఒక ధనవంతుడు కూడా ఉన్నాడు. అందగాడే కానీ అహం. తన చుట్టూ కనీసం ఎనిమిది మంది అయినా స్త్రీలు ఉండాల్సిందే అంత స్త్రీ లోలుడు. అదే రాజ్యంలో ఆకాశుడు అనే మరో వ్యక్తి ఉన్నాడు. ఆకృతిలో అందం లేదు, కనీసం కాళ్ళు కూడా లేవు కానీ స్వచ్ఛమైన ముత్యంలాంటి మనసూ, ప్రేమించే గుణమూ ఉన్నాయి.

ఆకాశుడు భూమిని చూసి మనసారా ప్రేమించాడు. ఎంతలా అంటే తను నడిచి ఆమె వైపుకు వెళ్ళలేదు, తను చెప్పేది ఆమెకు వినిపించదు, కనీసం ఆమెకు తన ప్రేమ ఆవేదన కూడా కనిపించదు. కానీ ఆమెతోనే తన జీవితాంతం గడపాలని ఆశపడ్డాడు. కాళ్ళు కదిపి ఆమె దగ్గరకు వెళ్ళలేకపోవచ్చు. కానీ తమ ఊహల భవిష్యత్ కలని, గుండెలోని ప్రేమని ఊపిరిలో నుండి శ్వాసగా వదిలి ఆశగా చూస్తున్నాడు. అటువైపు వెళ్తున్న భూమికి అకస్మాత్తుగా తగిలిన ఆ గాలిలో ఏదో అంతుచిక్కని సందేశం, ఏదో తెలియని ప్రేమ, ఎన్నడూ లేని నమ్మకం అందుకే క్షణం కూడా ఆలోచించక తన భవిష్యత్ అంతా ఆ శ్వాసవైపే అనుకుంది. అటువైపే పరుగు తీసింది. ఇది చూసి ఆకాశుడుకు నిజంగా ప్రేమ గుడ్డిదే అని అనిపించింది, మనసూ మనసూ మాట్లాడుకోవడం స్పష్టంగా వినిపించింది. ఆ మాన సంభాషణను అర్థితో, ఆశతో, ఆనందంతో వింటుంటే " అక్కడే ఉండు ప్రయతమా ప్రేమ పాదలల్లులో ఒదిగిపోవడానికి బంధాల పరదాలు తెంచుకొని వస్తున్నా నీ దరికి " అని వినిపిస్తుంది.

ఇది గమనించిన సూర్యుడు అందాల భూమిని ఎలగైనా తన ప్రకృతే ఉంచుకోవాలనే కపట బుద్ధి మెదడులో చేరి తనువులో అణువణువు జీర్ణించుకుపోయింది. అందుకే భూమికి ఆకాశుడుకి మధ్యలోనికి వెళ్ళి, ఆకాశుని శ్వాస కూడా భూమికి తాకనీయకుండా వేడి సెగల కౌగిలితో భూమిని నమ్మించాడు. భూమి మనసు నమ్మలేదు కాని మెదుడు ఆజ్ఞలు జాలిచేసింది. అతడే తనని ప్రేమించిన వ్యక్తి అని. మరు నిమిషం నుండి అతనే (సూర్యుడే) తన భర్తగా, భవిష్యత్ గా బావించి అతని చుట్టూనే తిరుగుతుంది. తనలాగే అతని చుట్టూ మరో ఎనిమిది మంది ఉన్నారన్న సంగతి కూడా తెలీదు. అది చూసిన ఆకాశుడి కళ్ళు ఆర్చితో చెమర్తాయి. నిరాశతో కన్నీరు మొదలైంది, అది మహేంద్రక వరదలా మారడానికి ఎంతో సమయం పట్టలేదు. గాడమైన ప్రేమను నిశ్వాసగా వదులుతున్నాడు. ప్రేమ భాషలో గల్లిస్తున్నాడు. తన ప్రేమికుడే తన భర్త కాదని తెలిసినా, తన చుట్టూ ఆకాశుడు ఇంత చేస్తున్నా భూమి చలనంలో మాత్రం ఎలాంటి చలనం లేదు. ప్రేమికుడి ప్రేమ పిలుపులు తనలోని అణువణువును వేలసార్లు కోస్తున్నా భర్తను దాటి పోలేదు.

ఆకాశుడు కురుపించే ప్రేమ చినుకులు, భూమి గుండెను కలిగించి, సూర్యుడి కామ వేడిని తగ్గించి, భూమిని ఆకాశాన్ని ఒకటి చేయడానికి సమస్త దేవతలు సహకరించాలి, ఆ సుందర స్వప్నాన్ని చూసి నేను తలించాలి.

—వివోద్ నాయుడు (బి111984)

### ఆనందమా నువ్వెక్కడా?

పదహారేళ్ళప్పుడు ఆకర్షణలో ఊహించుకుంటాం.  
 పాతికేళ్ళొక్కాక సంపాదనలో ఉందనుకుంటాం.  
 నలభైలలో ఉద్యోగం వెతుక్కునే ప్రయత్నం చేస్తాం.  
 యాభైలలో ఆస్తిపాస్తుల్లో చూసుకోవాలనుకుంటాం.  
 అరవై వచ్చేసరికి విశ్రాంతితో ముడిపెడతాం.  
 ఎక్కడా కనిపించదు. ఆనందమా నువ్వెక్కడున్నావు?  
 అబ్బో ఎంత డబ్బు! అంతా మనదేనా?  
 మనది కాదు, నాది. నా డబ్బు. నేను కష్టపడి సంపాదించిన డబ్బు.  
 అంత కష్టపడి ఎందుకు సంపాదించినట్లో??  
 ఆనందంగా బతకడానికి!!.

— కుమార్ జుజారె (బి111003)

### వర్షం

ఓ ఆమని! నీ అడుగుకి భూమికి అందం అలకపోసిందా  
 నీ వన్నె సిన్నెల కాంతి చూసి సిరుల లక్ష్మి సిరులు సిందించినదా  
 నీ అందానికి ఆహా! అదరహా అంటూ నీ ఆర్యంలో పడి అన్నపూర్ణా దేవి ఆకలి  
 తీర్చిందా  
 నీ అందానికి భువిపై ఉన్న భూరుహానికి అలవోకగా అందం వచ్చి పడిందా  
 సీకటి వేళ నీ సిందుల మేళా సిత్రంగా వింటుంటే.  
 నా వంటి విరుపులు విరిగి ఓ వైపు ఒరుగుతా అందా అన్నట్లు  
 ఇంత అందాన్ని అలవోకగా వాలకపోసిన ఓ వర్షమా  
 నీ దయ ధమయంతితో పుడమి తల్లి పులకలించి పోయింది అంటే నువ్వు  
 నమ్ముతవా!

— వేణుగోపాల్ కుసుకుంట్ల (బి131084)



## కంద పద్యాలు

1) యిల భద్రగిరిశ విను  
దలచి దశకంఠవైలవలెగొనిరమ్మీ  
తెలగాణ తల్లి, త్యంచియ  
యేలేడి తిథిపుత్రులంవొసిగిదమదయయున్

-ప్రవీణ్ కుమార్ తోర్కాల

భావం:-

భద్రాచలంలో వెలసిన ఓ శ్రీరామ! అలనాడు రామణసురుడిని చంపి సీతను తెచ్చినట్లుగానే, మాపై నీ యొక్క దయ, కరుణలను వుంచి,ఈనాడు పాలకులు అనే అసురులను చంపి ,వారి చేతిలో నలిగిపోతున్న మా బంగారు తెలంగాణ తల్లిని తీసుకునిరమ్ము. (ఈ పద్యం చంద్రబాబు మన క్యాంపస్ కు వచ్చినప్పుడు రాసాను. ఇది తనిముందు వినిపిద్దామనుకున్నను కాని కుదరలేదు .)

2) లక్ష్మ పెటుమా సుమనసున్  
అక్షరముకై,నిరక్షరమ్మునినుజేయుతమః  
పక్షము న్నెలగా యక్షర  
చ్యక్షవుచెగసుమాఘనాగనకతర్వనిలన్

భావం:-

మంచి మనసుతో విద్యను నేర్చుకోవడానికి మీ మనసును కేంద్రీకరించండి. లేకుంటే ఆ నిరక్షరాస్యత నీ జీవితాన్ని చీకటి చేస్తుంది. కాబట్టి ఈ విషయాన్ని తెలుసుకొని విద్యను నేర్చుకొని, ఆ విద్య అనే కన్నుతో ఘనమైన,అద్భుతమైన బంగారు చెట్టులాంటి ఈ లోకమును చూడుము.

-ప్రవీణ్ కుమార్ తోర్కాల

## ఉషోదయపు సంధ్యారాగం

ఎచట నుండో అచట నుండి  
ఇచటకు వచ్చిన పొడిపొడి పొగమంచు  
తడబడి తనువును తడిపి తలయింప జేసెను  
తకుకు బెకుకు దినకర కిరణోదయంబున

ఆ రుద్రుని నిద్ర పూర్వైన పిమ్మట  
ఆ దినకరుని కిరణాలు.  
చళ చళ చలాకీగా  
తళ తళ తమాషాగా  
మిళ మిళ కళ్ళు కదిలేలా,  
ఒళ్ళు వొణికిలా,పొదం పిలికి పడేలా,  
కరము కందేలా తల అలా ఒకసారలా,  
ముసుపెన్నడూ లేనిలా,  
మరళా మరళా అనందపడేలా చేశాయి.  
ఎందుకో ఆరోజలా, జరిగిందిలా.

మధ్యాహ్నం

తలపైకి చేలిన భానుడు  
ఎందుకనిపించింది ఎండలో నానుడు  
ఎన్నడూ కనలేదు అంత ఎండ పేలుడు  
లేదా కనికరం ఎండకు బాధపడతాడని బాలుడు

సాయంకాలం

ఆకాశాన్ని ఎర్రగా అలికి  
చిగురాకు మీద కులికి  
నిద్రిస్తోంది పడుకోవాలని పలికి  
ఎందుకనగా అంది చలికి.

- గంగాధర్ రెడ్డి (బి151017)

## కలలో కలాం!

నేలకన్న

నింగి కల కలాం.

భారతావని ముద్దాడగ

పుట్టాడు అబ్బుల్ కలాం.

దేశ చరిత, గగనానికి తీసుకెళ్ళగా

నడిచాడు ఒక్కడై అప్పల్ కలాం.

నవశక వెలుగు కోసం

ఇచ్చాడు క్షిప్రణి అనే ఘలం.

తన కలంతో

అగ్నికి రెక్కలు తొడిగి

కదిలాడు నవతరానికి దాచై.

పేపర్ మ్యాన్ గా నిలిచాడు

ఇండియన్ మిస్ట్రల్ మ్యూజై.

హిందూస్థానీ ప్రధమ పారుడై

తన కలలు, కన్నీటిని

వదిలేసి వెళ్ళాడు SLVలో

నేడు తన స్వర్గానికి!

బిమాల ప్రశాంతి(బి141051)

## మూగ మనసు

హృదయం చెలించనే ఓ దేవా!  
కరుణను మరచి స్వార్థమనే పనిచేయువేళ,  
హస్తములు హరించక విధికి తలొంచిన వేళ,  
మనుగడనే జీవన శైలి,  
సంఘమనే ఈ మానవాళిలో,  
నేనో పాత్ర దారుడ నైనందుకు...  
చింతిస్తున్నాను, క్రోధిస్తున్నాను,  
దినదినమూ మరణిస్తున్నాను.

నేను బాదించువేళ,నిస్పృహయ స్థితిలో అది నన్ను చూసినవేళ  
మనిషిగా మరణించాను, నిజమును తెలుసుకున్నాను....

ఎందుకు నేనిలా జీవిస్తున్నానని

మహేష్ (బి101697)

## నీ స్నేహం

ఎగసిపడే అలలకు తెలియదు...., తాను మళ్ళీ ఉద్ధవిస్తానో లేదో అని,  
గడిచే క్షణానికి తెలియదు...., తనకాక్షణం తిరిగి వస్తుందో రాదో అని,  
పండే పైరుకు తెలియదు...., తనలో ఆ పచ్చదనానికి గల కారణమేమిటో అని,  
జన్మించిన నవజాత శిశువుకు తెలియదు...., తాను నడయాడే సమాజము ఎలాంటిదో అని,  
ఎగిరె విహంగానికి తెలియదు...., తనను ఆ స్థాయికి చేర్చిందేమిటో అని,  
జాలువారే నేటి ప్రవాహానికి తెలియదు...., తనలోని ఆ ప్రయాణపు తొలి అడుగు ఎక్కడో అని,  
కానీ.....

నీతో చెలిమి చేసే నాకు తెలుసు...

మన ఈ స్నేహబంధం నా ఊపిరిపున్నంత వరకు అనీ....

- భానుచందర్ (బి121320)

## జీవిత అంతర్ధారం

జీవితం అంటే సాహసం.....దైర్యం చేద్దాం,  
 జీవితం అంటే ప్రేమ.....ఆస్వాదిద్దాం,  
 జీవితం అంటే దుఃఖం.....ఎదుర్కొందాం,  
 జీవితం అంటే యుద్ధం.....పోరాడదాం,  
 జీవితం అంటే వాగ్దానం.....నిలబెట్టుకుందాం,  
 జీవితం అంటే సవాలు.....జవాబిద్దాం,  
 జీవితం అంటే బాధ్యత.....నెరవేరుద్దాం,  
 జీవితం అంటే బాధ.....అధిగమిద్దాం,  
 జీవితం అంటే ఆట.....ఆడదాం,  
 జీవితం అంటే సమస్య, పరిష్కరిద్దాం, సాధిద్దాం, గెలుద్దాం!

జీవితంలో రెండు ముఖ్యమైన రోజులున్నాయి.

- 1) మనం పుట్టినరోజు.
- 2) మనం ఎందుకు పుట్టామో తెలుసుకున్నరోజు.

## స్నేహం

రెండు హృదయాలను ఏకం చేసేది "స్నేహం"  
 రెండు హృదయాలు కలిసొక జీవితం సాగాలంటే కావల్సింది వారిమధ్య  
 "స్నేహం"  
 ఒక హృదయంలో ఉన్న బాధ మల్లపొవాలంటే కావల్సింది "స్నేహం"  
 జీవితం అనే ఆట హాయిగా సాగాలంటే కావల్సింది "స్నేహం"  
 ప్రతి వ్యక్తి జీవితచక్రం మలుపులు తిరగడానికి కారణం "స్నేహం"  
 మధ్య వెలుగు రావడానికి కారణం "స్నేహం"  
 కలపడం, కలిసిపోవడం తప్ప మరొకటి తెలియనిదే "స్నేహం".

## మనసు భావన

ఎన్నెన్నో భావాలసందడి చేసేది "మనసు"  
 ఎన్నో బంధాలను దగ్గర చేసేది "మనసు"  
 దగ్గరున్నా ఎన్నో మైళ్ళ దూరం వెళ్ళగలిగేది "మనసు"  
 మాటరాని మానాన్ని తెలిపేది "మనసు"  
 చుట్టూ వెలుగుతున్నా శూన్యంలోనే వుండేది "మనసు"  
 భరించలేకున్న బాధలన్నీ మోసేది "మనసు"  
 ఆఖరి క్షణంలో అందరిని ఏకంచేసి పోయేది "మనసు".

— వై.అశ్విని (బి131107)

## ఓ....మిత్రమా!

మిత్రులారా, మిత్రులారా హితము కోరే హితులారా,  
 కలుశమెరుగని కల్ల తెలియని మల్లెపూవులాంటి మనసున్న సన్నిహితులారా ,  
 స్నేహితులారా స్నేహితులారా సాయం ఎలిగిన సమ ఉజ్జీల్లారా,  
 సమూలముగా,సమగ్రంగా కలిసిపోయి,కలిగిపోయి  
 కరములన్నీ కలములు పట్టి జగతి తలరాతను మార్చడానికి కదిలి వచ్చారా,

కష్టమెలిగిన కరుణామయు లారా,

కల్ల ఎరుగని నాల్య మీది,

కపటమెరుగని మనసు మీది,

కర్మమెరుగని హృదయం మీది.

కొట్టుకుని తిట్టుకుని ప్రకృవాళ్ళతో గొడవ పడి

పరి పరి విధముల మదన పడుతూ ఎలా ఎలా మళ్ళీ కలిసేది అని

పరితపిస్తుంది మీ మనసు.

మల్లె పూవు వంటి మనసు,

జాజి పూవు వంటి మనము,

మొగలిరేకు లాంటి మనోహరమైన మధురమైన

తర తమ భేదం లేకుండా తామర తుంపరులుగా సాగిపోయే మీకు మధురాభి

కృతజ్ఞతలు కష్టమొచ్చిన కన్నీరొచ్చినా మీ తలంపులకు భంగం కలిగినా

మేమున్నామని మరుపకండి.

సుఖమొచ్చినా సంతోషమొచ్చినా మా మాటను దాటివేయకండి

ఒకరిగానే వచ్చాం ఒకరిగానే పోతాం,

కాని ఒకరిగా వచ్చి ఒంటరిగా జీవించే తుంటరి బ్రతుకు బ్రతకడమెందుకు.

నలుగురితో కలిసి మెలిసి నలుగురితో నడయాడుతూ,

కలిసి మెలిసి కట్టుదిట్టంగా నరములు బిగించి కరములు సంధించి సాగి

పోదాం

వీడుకోలు ఉండనిదే ఈ మిత్ర త్రోవ,

అరమరికలు లేనిదే ఈ ఆనంద బంధం.

అవకతవకలు అడ్డుగోడలు లేని ఆనందామృతాలు వాలకబోసే,

ఈ స్నేహ స్వర్ణకవిత మందిరాన్ని మరవబోకండి.

ఈ స్నేహాన్ని శిగలలో, మీ హృదయపు గదులలో, మీ నాడుల నడుమన

పెట్టుకోండి.

స్వర్ణానంద సుకుమార సాందర్యాలతో వర్ణిల్లండి.

- శ్రీకాంత్ నాయక్ (బి121686)

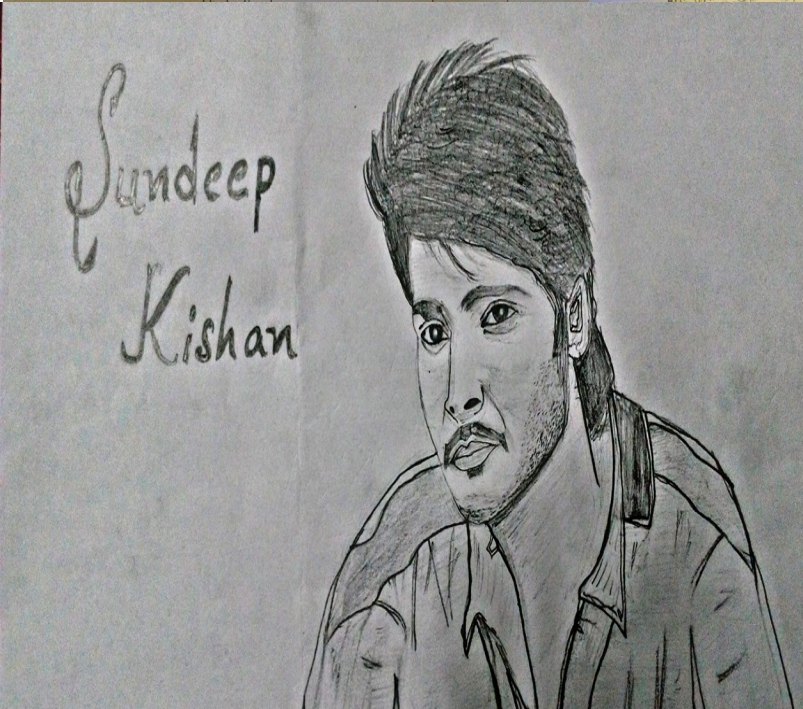
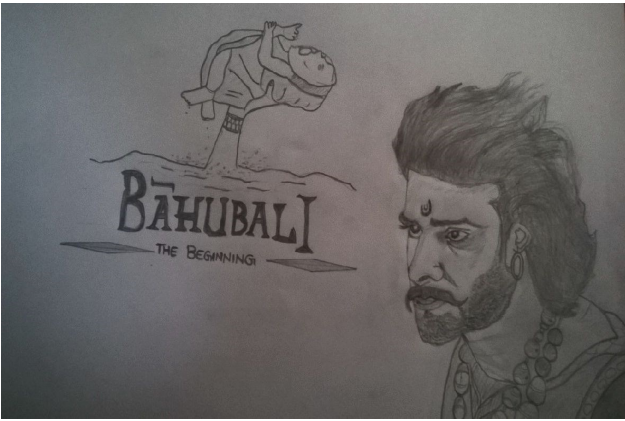
Student art

Student art

Student art

Student art

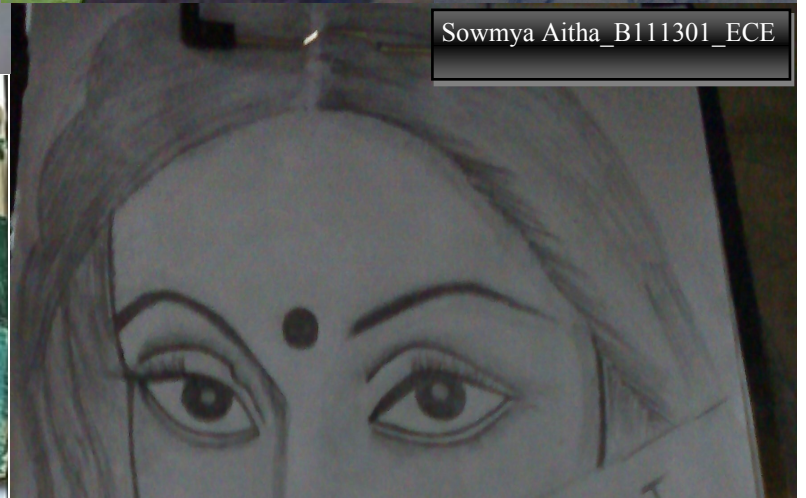
Student art



Art by:  
L.Vivek Kumar -B101818 - CE



Sowmya Aitha\_B111301\_ECE



## The Theory Of Everything

-A Bittersweet Film Story Of A Scientist

The film is about the man of science, the man of innovation, the man of Love and finally the man of everything i.e., Stephen Hawking, the renowned British astrophysicist. It is based on “Travelling To Infinity-My Life with Stephen”, the memoir of Jane Hawking who is the first wife of Hawking. It is about the survival of a crippling man who was asserted by doctors to death with in two years at the age of 21. The film is a part of a conceptual panoramas such as the spectacular image of a cream swirling around a cup of coffee i.e., the region around a black hole.

Eddie Redmayne portrayed as Stephen Hawking and Felicity Jones as Jane Hawking who is the sweetheart of Stephen's first love. James Marsh, the director filmed the idiosyncrasy of Hawking incisively. He is famous for writing documentaries. Oscar winning screenplay by Anthony McCarten for presenting the emotions on screen poignantly. He took 8 years to bring this film into theatres. A heart-rending music from composer Johann Johannsson to feel the heart-breaking love.



So far 4 to 5 films came on biopic of Hawking, the most celebrated physicist of our time but “The Theory Of Everything” is unique. The 73 years old Hawking watched the movie by weeping said “At times, he was me”. The famed scientist who expresses the feelings via sensor attached to his cheek muscle gave his synthesized voice for the film. The film earned 7.85 billion crores all over the world. Apart from accolades the stirring film had stolen the hearts of viewers around the globe.

The moral of the story is that life always throws curveballs at us, but we should never give up our dreams.

Hurry up! Watch it now.

**“My Goal is simple, it is a complete understanding of the Universe, why it is as it is and why it exists at all.”**

-Stephen William Hawking

### Ratings:

IMDb - 7.7/10

Metacritic - 72%

Rotten Tomatoes - 80%

My Rating – 5/5

— **G Vikram (B131534 - ME)**

## The Monk Who Sold His Ferrari

“The Monk Who Sold His Ferrari” it has been inspiring tale to be more precise we can call it as a life changing novel. These kind of novels especially helps you in quest for a path while you are going through hard phase in your life. This is some sort of novel which adds essence to your life. It gives answers to the questions like, how can one attain happiness and complacency.

In this novel, he tells us the story of Julian Mantle, a highly successful litigation lawyer who has it all, fancy house, private island, and a Ferrari! He collapses of a heart attack and barely survives. He then disappears to take a break, until miraculously reappearing in the office of his protégé John three years later, looking younger and healthier. Julian Mantle is born again, and he has a story to tell. That is actually the condition of his nirvana.

As the book progresses, we learn about Julian's journey. John asks questions and Julian explains how the principles he learned can be applied to John's life, or in fact, to anyone's life. Julian traveled far away to India and met many people, often poorer than him. The kindness of strangers gave him a different perspective.

The rest of the chapters are devoted to a specific message. There are different steps one needs to take to truly see the light.

Step 1 is all about mastering your mind which begins with cultivating good thoughts.

Step 2 is about having a purpose and following that purpose at all times.

It tells us to enjoy each moment in life with exuding love, confidence and value time as our most important commodity which exemplifies worthiness of life. Self improvement and discipline is advocated. There is also a concept of living each moment to the fullest.

*“There is no mistakes in life, only lessons. There is no such thing as a negative experience, only opportunities to grow, learn and advance along the road of self-mastery.”*

### Ratings:

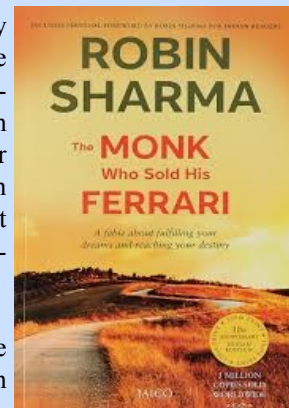
Goodreads - 3.8/5

FLipkart - 4.4/5

Junglee.com - 4.4/5

MyRating - 4/5

— **K.Manideep (B111718 - ECE)**



Photography

Photography

Photography

Photography

Photography



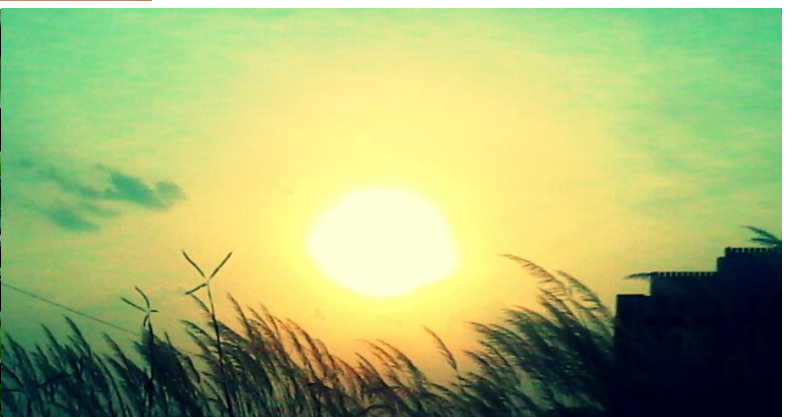
M. Akshay\_B101184 - CE  
E. Shivaprasad\_B101989 - CSE



M. Akshay\_B101184 - CE  
E. Shivaprasad\_B101989 - CSE



CHINTHA SAIRAJ\_B151509



SAIRAJ'S  
PHOTOGRAPHY

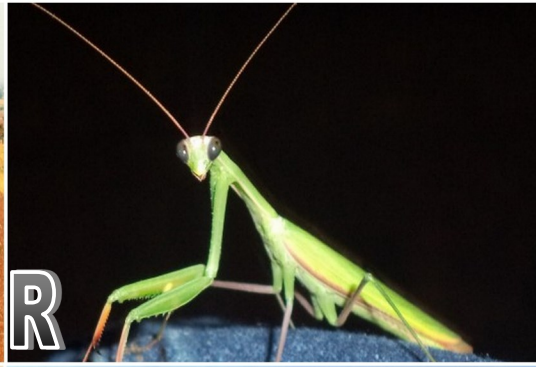
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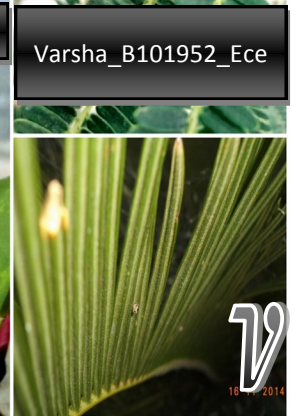
R



C



Sofi\_B101847\_Ece



Varsha\_B101952\_Ece



V



V



C



R @ Ranjith\_B101957\_ECE  
V @ Venkat Pernith\_B101850\_Mech

Keep Smiling C

@ Charan\_B111961\_CE

## Feedback on Previous Edition – 8 [Volume– 4 , Issue– 1]

I have read all our e-magazine editions. I found lot of difference between first seven editions and 8th edition. The new edition is all right but many things and articles are missing. I will be thankful to you if you find them too.

**Karney Sanketh, B141700**

I congratulate the editorial team for gathering all the information about our campus and outside the campus. It's nice. The new ideas can be implemented. By this magazine we people come to know the achievements of our campus.

**Padala Srilatha, B121648**

I have been following all the editions but this edition has some interesting and helpful matter compared to other editions. Moreover, article on interview is very much helpful.

**Shaik Rahu, B111161**

It's a great feeling for me to see my article in the most awaited magazine "the student"...All the best for future magazines..!!

**MA. Sharukhan, B121752**

I want to congratulate the whole editorial group. It is fabulous. You made things look interesting and curious. All the photos published are too good. I am very interested to work with the editorial team

**V. Gnaneshwar, B141440**

First of all, Thanks to the whole editorial group. some cartoons in this magazine are very interesting. It's well organized.

**N. Suresh, B141265**

It's good. It is really great to know about the triumph of rgukt. It would be better if puc students are also given a chance to write any article in this magazine.

**Praveena, B131410**

Nice one. very useful to us. unseen rgukt pictures are amazing!!! but lack of articles from PUC students.

**Shahabaaz Mohammed, B131223**

Awesome. This magazine is very interesting to read and its contents are good. It's giving the feel to read and know more and more about the things happening in our campus as well as outside. I encourage the e-magazine team to release more magazines and special thanks to your team members.

**Korra Lalitha, B131681**

It's very interesting. This magazine gives lot of information about our campus and things which are happening outside. I knew many things which I don't know. I heart fully thank e-magazine team for giving such a great magazine.

**Swathi Chavan, B131329**

It is very useful for the one who is very eager to know about themselves. Article on "Interviewing the Interviewers" is very useful for us to prepare for future. We are thankful to all who are really working for this magazine.

**Padala Srilatha, B121648**

It's really good to remember all the memories of the year through the magazine.

**Guggilla Sandeep, B141438**

Students are not showing interest in reading or writing articles because there is no competition and most of the articles are passive. If you conduct a competition as well along with certificate distribution to winners, they may show more interest in writing articles. You should ask some people to write how should be an organization and some people from administration to write about how should be students. Then we'll come to know the mistakes of each other.

**Chirram Kumar, B101742,CSE**

The e-magazine is amazing. It helps to know more about RGUKT. Some of the articles are very funny. It makes every individual entertained. It provides information about the campus, students and life style of students residing here. It is refreshing to read this magazine. I enjoyed a lot reading this. Thank you.

**Gottimukkula Prathysha, B151667**



I congratulate editorial team. Placement cell is quite awesome, it shows a better view of campus placements.

**T. Yahwah Nissi, B131552**

A clear idea has been created about campus placements, that is really great idea. But you should improve technology matter.

**Md Nazeemoddeen, B121635**

This is a good platform to bring hidden talents from students. But, releasing date should be displayed on notice board as many of the students want to submit articles. Apart from this is simply superb.

**R. Varalaxmi, B121158**

8th edition was too good and contents of it were excellent but it has lack of information about puc. I hope next edition will be rocking with full information about engineering and puc branches and with more exciting articles

**S. D. Bhanu, B131270**

Quite interesting this edition is, you have introduced some new columns like movie review etc... but we need to concentrate on Technology and Development.

**Anil Kumar Animireddy, B101349**

Awesome edition. I like it very much, it is very informative and very much useful for the students for knowing the unknown things in the society and also about our campus. Try to add more information about the things which are essential for student. All the best and keep it up editorial team Finally e-magazine is fantabulous. I can say one of the best e magazine in India.

**A. Kumar, B121794**

Believe me or not! This is the worst magazine I have ever read in my entire life. And worst of all the previous editions too. It's full of grammatical mistakes and improper sentence formation. No interesting topics to read! Full of boring stuff! The truth is 99% of students didn't even read it. At least, not even a single interesting image to look at. People just "DON'T CARE" about this magazine. (I think there should be a change in editorial team. Before starting the next edition, call me in, I will join as the editorial member. My phone number is 9177042711. My instincts tell me that you are going to delete the above feedback)

**Mohammad Zubairuddin, B101669, CSE**



## Feedback on Previous Edition – 8 [Volume– 4 , Issue– 1]

*Congratulations...! for the success of e-magazine. This edition is good and there are nice articles with colourful photography.*

**S. Nagaraju, B131589, P2**

*I like the suggestions for placement preparation column and every article in the magazine is good and useful for all. Keep it up and keep going.*

**M. Chitharanjan, B111608, ECE**

*I felt very interesting reading this magazine. I appreciate all the editorial team for their wonderful work. It is also very informative to all.*

**K. Alekhya, B131768, P2**

*It is so nice. 8<sup>th</sup> edition shows greatness of our college which includes our festival "bathukamma". It is very helpful for our placements.*

**T. Arun, B121594, E1**

*It's a fantastic thing to see in RGUKT. Thanks to all the editorial team for making it wonderful, THE STUDENT. The story "ENDHUKII!!!" is really a nice one to know about the importance of life.*

**B. Rajkumar, B121540, E1**

*Wow! Student e-magazine is very nice. It contains less pages and more topics. It is a platform to showcase our talent. Thank you everyone.*

**N. Tirupathi, B111783**

*It is excellent source for the knowledge seekers. I like the article NAMO - The change.*

**Asam Sailu, B121440**

*"Edition - 8 The Student", e-Magazine is so nice. It contains all the information about the things that took place in our campus. List of students who have got the jobs is very useful to juniors. Taking feedbacks from our passed out seniors is good.*

**K. Lakshminaidu, B111058, ECE**

*This is really a wonderful magazine because when I read this magazine I came to know about our campus events, our education system and also the news from outside. So every IIT student has to read this one...!*

**T. Prabhdhana, B131933**

*Articles and photography are good. Interviewing the interviewer is a very nice thought and it helps in increasing our abilities.*

**G. Uma Nagadevi, B121043, E1**

*Really the idea of introducing "THE STUDENT" is very nice and brilliant. This helps the students to show their talents in different aspects and we are informed much more about our campus by the magazine. Every edition of the magazine is really inspiring.*

**V. Swetha, B121176**

*This edition is interesting. Thanks to the organizers. This is a good way to know what is going on our campus and outside.*

**T. Raveena, B121021, E1**

*I Like the cover page and also some topics of index, i.e., Leisure Page and the article about life in page number 26, The Student Art and Photography.*

**G. Gangadher, B121179**

*Mother is the creator of the child whereas Rguktians are the creators of the world. Congrats to all the editorial team taken part in edition-8. Good and thoughtful edition. Keep going on.*

**Sandeep, B131572, P2**

*Magazine is very nice. We can know more information what is going on in RGUKT. Mainly photography of the campus in magazine is very very nice. Please release such type of magazines time to time and it's useful for Rgukt students. Finally thank you for the team who are developed the magazine.*

**Hari, B111038**

*I think articles that are presented in this magazine are creative and significant. But it is mostly covered by the articles of seniors, if u try to collect articles from all batches, it seems to be nice and everyone will definitely try to stare at the magazine.*

**E. Krishna, B121906**

*It is a very good magazine and very useful. Every year we want this type of magazine. "Thank you"*

**G. Bindu, B131147**

*This edition is simply superb. Innovative ideas have developed in the minds of IITians i.e, what our Kalam is expecting from young Indians.*

**B. Saikumar, B131606**

*We Rguktians are very lucky to know about our strengths and weaknesses through these magazines. So lets strengthen our strengths and make our weaknesses too weak.*

**M. Swathi, B131413, P2**

*This e-magazine is wonderful. The article on Swachh Bharath and Make in India is great, please continue this e-magazine. Thanks to seniors.*

**R. Sai, B131679, P2**

*Thank you for providing such a beautiful magazine which makes us know the hidden truths and matters of our RGUKT - BASAR. We salute to the publishers of student magazine*

**G. Shashi kumar, B131969, P2**

*It's very useful for the upcoming students. We get to know the updates of Rgukt by magazine. Thank you editors.*

**J. Sathish, B131181**

*The campus e-Magazine is very impressive. It is very helpful for us to know about campus issues. It is extracting the hidden ideas from our students. Good work done by the Editors. They are making a great progress.*

**G. Ramesh, B101521**

*e-Magazine is very good. It gives much information about our university and also provide us sweet memories in the university life. Specially the interview experience of seniors will make us to perfectly plan for future. In total it will give a lot of knowledge. I am very thankful to all the organizers.*

**S. Srinivas, B111904**

**Note from the Editorial team :**

*We are very thankful for your valuable time and feedback. Your feedback means a lot to our magazine. We will strive hard to further uplift the standards of our magazine in the coming editions.*

## The Student' The Editorial Team Members

Sl.no	ID. Number	Name of the Writer / Editor	Department	Designation
1	B101748	B. Vaishnavi	ECE	Chief Editor
2	B101491	G. Thanmai	CSE	Chief Editor
3	B101747	K. Sheetal	MME	Associate Editor
4	B101372	N. Surya	ECE	Associate Editor
5	B101743	K. Sairaju	CSE	Designing Editor
6	B101957	S. Ranjith Kumar	ECE	Designing Editor
7	B101417	Y.Srikanth	ME	On - Campus News Writer
8	B101046	M. Kiran	ME	On - Campus News Writer
9	B101112	S.Venkatesh	ECE	On - Campus News Writer
10	B101415	D.Prabhavathi	ECE	On - Campus News Writer
11	B101971	T. Varsha	ECE	On - Campus News Writer
12	B101965	K. Sushma	ECE	On - Campus News Writer
13	B101076	Divya	ME	Writer
14	B101989	E.Shiva Prasad	CSE	On - Campus Photography Editor
15	B101184	M. Akshay Kumar	CE	On - Campus Photography Editor
16	B111961	K. Charan Raju	CE	Designing Editor
17	B141675	S. Balasubramanyam	P2	Designing Editor
18	B111085	V. Sai Dheeraj	CHE	Interviewers & On Campus
19	B111128	V. Yaswanth	ME	Interviewers & On Campus
20	B111834	K. Pranaya	ECE	Editorial Team
21	B111301	A. Sowmya	ECE	Editorial Team
22	B111121	N. Sanjeev	MME	Editorial Team
23	B111984	G. Vinodh	ME	Editorial Team (Telugu)
24	B111780	D.Nishanth	ECE	Publicity Team
25	B111904	S. Srinivas	MECH	Publicity Team
26	B111561	Pravali	CSE	Placement Cell Team
27	B111755	D. Jalapathi	ECE	Campus Photographer
28	B111886	R. DivyaVani	CE	Silly Point Writer
29	B1111137	R. Swapna	CE	Silly Point Writer
30	B111872	S. Pravalika	CE	Technology Updates Writer
31	B111718	K. Manideep	ECE	Book & Movie Reviews
32	B111656	K. Sowmya	CSE	Writer
33	B111430	B. Soundarya	CSE	Writer
34	B111855	A. Sireesha	CHE	Writer
35	B111595	P. Nikhila	CE	Writer

**'The Student e-Magazine'  
Editions Year Plan**

**During the Academic Year 2015-16**

**Edition-10** – September, 2015 to May, 2016 [*Volume-5, Issue-1*] (Yet to Publish)

**During the Academic Year 2014-15**

**Edition-9** – March, 2015 to August, 2015 [*Volume-4, Issue-2*]

**Edition-8** – April, 2014 to February, 2015 [*Volume-4, Issue-1*]

**During the Academic Year 2013-14**

**Edition-7** – October, 2013 to March, 2014 [*Volume-3, Issue-2*]

**Edition-6** – January, 2013 to September, 2013 [*Volume-3, Issue-1*]

**During the Academic Year 2012-13**

**Edition-5** – August, 2012 to December, 2012 [*Volume-2, Issue-1*]

**During the Academic Year 2011-12**

**Edition-4** – February, 2012 to July, 2012 [*Volume-1, Issue-4*]

**Edition-3** – October, 2011 to January, 2012 [*Volume-1, Issue-3*]

**Edition-2** – August, 2011 to September, 2011 [*Volume-1, Issue-2*]

**Edition-1** – July, 2011 [*Volume-1, Issue-1*]



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**Editor-in-Chief**  
**CAMPUS e-MAGAZINE**  
**Rajiv Gandhi University of Knowledge Technologies**  
**Basar Campus, Mudhole (Mandal), Adilabad (District)**  
**Telangana State (INDIA), PIN - 504107.**

## The Student

Hi Friends...!! I am "The Student", your friend. I am one of the many evaporated ideas developed by the students of IIIT Basar. I took birth in **July, 2011** 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 and 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 IIIT's more sophisticated than IIT's, because internal campus magazines played a great role in molding them. I can say that I am 60% succeeded in doing my job, for evidence have glance at published previous editions and they stood as proof to it. Still it will take a bit time and cover only Campus related issues/news/events. My sincere

- |                         |                      |
|-------------------------|----------------------|
| ▶ On Campus             | ▶ Leisure Page       |
| ▶ Campus Talk           | ▶ Campus Environment |
| ▶ Editorial Page        | ▶ 'The Student' Art  |
| ▶ Quick Take            | ▶ Campus Sports      |
| ▶ Language & Literature | ▶ Career & Guidance  |
| ▶ Science Updates       | ▶ How It Originated? |
| ▶ Technology            | ▶ Miscellaneous      |
| ▶ Coffee With Alumni    | ▶ My Experience      |
| ▶ Math-e-magic          | ▶ Reviews            |
| ▶ Silly Points          | ▶ Feedback Column    |
| ▶ E - Tech              |                      |
| ▶ Educational Articles  |                      |

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 Aims/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.)

Send your own articles, photographs, poetry, cartoons, short stories, humorous content, drawing & paintings or anything else that you would like to be portrayed through me in this e-Magazine to the mentioned mail address or submit them through the campus local website or submit it to any of the editorial team member or

**Email: [editor.thestudent@gmail.com](mailto:editor.thestudent@gmail.com)**

If you (over) heard something funny too, share it with me by Email or in person. **Page - 35** will helps you to find me.