



# AAR MAHAVEER NEWSLETTER

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## **From the Principal's Desk**

The first question asked when prospective students visit the college is about placements. No one qualifies for placement simply by getting admitted into a good college. You have to go through four years of very rigorous academic experience. The government is supporting your education in a big way by way of fee reimbursement, concessional bus travel and hostel facility for the socially backward. These can be justified only if you put in your best effort in your studies. The process begins with attending classes regularly. In a ladder, if one step is missing, it becomes very difficult to climb up. Similarly, if the student misses classes one day, he or she will not understand the lessons the next day. Every day it is important to read at home the lessons learnt during the day. If the concept is not clear from one text book, see another text book. Several things are available on the net as animations and power-point presentations which greatly help in understanding the subject. Write down all formulas and key statements on a paper. Recollect what you have learnt. Then check from the paper what you had recollected was correct. Reading, contemplation and recollection are important phases in learning. Do not forget to attempt old question papers. Unless you do this, you will not know where you are weak. All these require time and hence time management is of utmost importance. Any time and any place are okay for recollection. It may be when you are seated in the college bus or while you are walking down between the college and the main road. I know several students who recollect while cooking or washing at home. This way they are helping at home as well as preparing for their examinations. Being an engineering student should not lead to giving up household tasks. You must do house work as well as study. Do not hesitate to help your parents in what they do for livelihood. Even if you do not practice what your parent do, you must pick up one additional skill or experience. Some of our students work in the evening as part time Data Entry Operators and some have taken up tuition of school children. It always helps to have a Plan 'B' in hand. The harsh reality is that there are many more engineering graduates than are jobs and any additional skill and experience will come in handy. A fully engaged life is also a fulfilled life.

All of us are familiar with the story of the hare and the tortoise. In spite of its agility, the over confident hare lost the race to the sluggish tortoise. Why do I talk about this now? I have seen a few students wasting their time in the holidays and then rushing at 3 pm on the due date for binding their mini-project report to be able to submit by 4 pm! The mini project must start the moment your III-II exams are over. The final project must start the moment your IV-I exams are over. If one wastes time now, one will waste time for ever. Those who are successful in life are also those who made the best use of every minute available to them.

– Dr. Palanki Balakrishna

## **In this issue .....**

In this issue, we list toppers of end semester examinations. We also have the list of Prize Winners in Carroms, Essay writing and Elocution. There are photographs of Independence Day and Traditional Day celebrations. Then we present three little VIPs. Dr. Prabha S Chandra gives Ten Commandments for women. The most popular item is *From Far and near*. Roboform is a software manager. 3 D printing is a great way to make objects. Fracking has increased the yield of methane from underground shale. A promising biofuel is made from algae, so that food grains are not diverted. A huge magnet is coming up at Madurai. The Flying Eye Hospital is doing a wonderful job. Will electronic cigarettes help in getting out of the deadly smoking habit? Finally Rintu Joseph has noticed students' eyes at different times.

<b>Toppers in III B.Tech II Semester JNTUH Examinations (May/June 2013)</b>			
<b>Branch</b>	<b>I Rank</b>	<b>II Rank</b>	<b>III Rank</b>
<b>ECE</b>	Fehmida Bano	Hashmath Sultana	K Vineela
<b>CSE</b>	P Pratyusha	Y Uma	Minu Mohan
<b>EEE</b>	B Soundarya	N Jamuna	N Manjula

<b>Toppers in II B.Tech II Semester JNTUH Examinations (May/June 2013)</b>			
<b>Branch</b>	<b>I Rank</b>	<b>II Rank</b>	<b>III Rank</b>
<b>ECE</b>	Syeda Fatima Zohra	R Jayasree	P Prasanna Kumari
<b>CSE</b>	Preethi Lal	D Vaishnavi Goud	Wajiha Neha
<b>EEE</b>	P Akhila	B Spandana	S Sushmitha

<b>Toppers in IV B.Tech I Semester Mid Examinations (August 2013)</b>			
<b>Branch</b>	<b>I Rank</b>	<b>II Rank</b>	<b>III Rank</b>
<b>ECE</b>	Neeha Tarunnam	Hashmath Sultana	B Pravallika, Femida Bano
<b>CSE</b>	G Swetha Reddy, P Mounika	Y Uma	Minu Mohan
<b>EEE</b>	B Soundarya	Sravya Kulkarni	N Jamuna, N Manjula

<b>Toppers in III B.Tech I Semester Mid Examinations (August 2013)</b>			
<b>Branch</b>	<b>I Rank</b>	<b>II Rank</b>	<b>III Rank</b>
<b>ECE</b>	Syeda Fatima Zohra	P Sai Prasanna Kumari	T Ashwini, M Sreeja
<b>CSE</b>	D Vaishnavi Goud	Kruttika Satrave	Preethi Lal
<b>EEE</b>	P Akhila	B Spandana	M Nagamani, S Sushmitha

<b>Toppers in II B.Tech I Semester Mid Examinations (August 2013)</b>			
<b>Branch</b>	<b>I Rank</b>	<b>II Rank</b>	<b>III Rank</b>
<b>ECE</b>	G Pallavi, V Pavani	Anu P Suresh	N R Raveena
<b>CSE</b>	M Ravalika	B Meena	Vasa Preeti
<b>EEE</b>	K Bhavani Priyanka	G Shailaja	Not awarded

<b>Prize Winners</b>			
<b>Item</b>	<b>I Prize</b>	<b>II Prize</b>	<b>III Prize</b>
<b>Carroms</b>	G Monika IV ECE	Ch. Mounika III ECE	B Soundarya IV EEE
<b>Essay writing</b>	B Srilakshmi IV CSE	Ch Mounica II ECE	Rintu Joseph IV ECE
<b>Elocution</b>	P Prayusha IV CSE	Rintu Joseph IV CSE	Ch Mounica II ECE
<b>Decoration (Seniors)</b>	IV CSE	IV ECE	IV EEE
<b>Decoration (Juniors)</b>	III CSE	III ECE	Not awarded

***“Persistence is to the character of man as carbon is to steel” - Napoleon Hill (1883-1970)***

***“A little more persistence, a little more effort, and what seemed hopeless failure may turn to glorious success” – Elbert Hubbard (1856-1915)***



***The Judges From left: Dr. Sunita Rao Bhaduri and Mrs. Rajeshwari, both from Mahaveer Institute of Science and Technology***

## **You have made us proud!**

***Our students and faculty members attended and presented papers in National Seminar for Women held on the occasion of 150<sup>th</sup> birth anniversary of Swami Vivekananda at G Narayanamma Institute of Technology and Science for Women on September 29, 2013***



**Ankita Arora IV CSE and Chakravarthula Mounica II ECE presented the Paper, “Value Addition to Women, a sure step towards empowerment”**



**Vasudha Dadige, HOD ECE presented the paper, “Living Legends – Women in Indian Business and Industry”**



## Independence Day 2013



**Flag hoisting by  
Secretary, Mahaveer Educational Society  
Mr. Surender Reddy**



**Inspiring words from  
Chairman, Mahaveer Educational Society,  
Mr. Sudershan Reddy**



**Staff members salute the national flag**



## Farewell, Mrs. Lakshmi Savitri



**Mrs. Vavilala Lakshmi Savitri Vatsalya** was in AP State Government Service when she took leave and joined us in October 2010. She taught Engineering Physics as the main teacher and Electronic Devices & Circuits as substitute teacher. She was a passionate teacher totally dedicated to her subject and laboratory. She took excellent care of her students closely monitoring their day to day progress and mentoring them with affection. It is a great loss for our college that she decided to leave now, but then our loss is some one else's gain. In her farewell speech, she said she would continue our best practices in her new posting and keep in touch with us.

*Left: principal giving a memento of Sun God who radiates in all directions inspiring good teachers.  
Below: Faculty members present a gift.*



**From left: Appalakonda, Nooka Raju, Veeranjanyulu, Lakshmi Savitri, Vanaja Reddy, Madhurima, Deepika, Vasudha, Silaja**

## Traditional Day Celebrations



**Prayer by A Akhila**



**Shivani and Shravani -  
anchors witty, lively and lovely**



**Priyanka at ease with her sari**



**Mr. Surender Reddy, Secretary Mahaveer Educational Society  
graced the occasion by his presence**





**Neeha Tarunnam, Anusha, Lakshmi and Yekameshwari, all eyes glued to the stage**



**Teachers Ratna Deepika and Siva Prasad steal the show in traditional attire**





**Manasa takes boldly the lead step while other ladies watch with anticipation**



**Sneha, Srija and Yekameshwari interview Manasa for a job in a hilarious skit**





**Batukamma Puja**



**Rahath heading the team of exotic dancers**



**Mrs. Vanaja Reddy awarding runner up prize in Traditional Attire to Nahid Sadia**



**The winners of Traditional Attire Contest: Shahreen, Pratyusha, Esther**



## Little VIPs of Traditional Day are the future architects of Modern India



**Krish**



**Shreya and Aadya**



**Aditya**

### **The Ten Commandments of Safety for women**

- 1. When on work, before venturing to new, isolated areas, become familiar with what you might face. Do not assume that having a male colleague will help. Have a safety plan. And like a fire drill, have a sexual harassment drill.*
- 2. Be on the alert when strangers are over-solicitous. Do not go to deserted buildings or areas away from public view.*
- 3. Try to travel or walk in groups of four or five.*
- 4. Be alert to people around you. Do not keep talking on the phone or texting in unknown areas. Like driving, when alone or in lonely and risky places, your reflexes need to be good and you need to be alert.*
- 5. Carry an alarm with you. At least, it might catch an assailant off guard. Come into public view as much as you can. Let others know you are there.*
- 6. Do not get into unknown private vehicles. Suspect any one offering a lift or concessional fare. When you get into a taxi (or auto rickshaw), message the vehicle number and driver's name to your well wishers. Watch if the driver is taking you in the correct route.*
- 7. Ensure you have a peep-hole in the door at home and do not open the door to strangers.*
- 8. When you are staying in a hotel on work, do not open the door to any one without checking with the reception staff. Choose safe hotels and those which have facilities for women. Try to room-in with some one you know.*
- 9. Always keep friends and family informed of your whereabouts.*
- 10. In many cases, the sexual assaulter is some one you know and trust. Know where to draw the line with friends and relatives.*

- Dr. Prabha S. Chandra

## ***From Far and Near***

### ***Roboform***

As computer literacy goes up, online transactions are rapidly on the increase. Criminals too are keeping up with technology. Like minded hackers have joined together and playing havoc, stealing passwords, swindling funds and stealing others' credit card information. To counter the hacker, you must have a unique password and keep changing it from time to time. A simple 6 character password can be cracked in a couple of minutes, whereas, a 8 letter alphanumeric password that includes upper and lower case letters as well as special characters will take more than 17 years to crack. Never use the same password for different sites. But then there are too many usernames and passwords to remember. No worry, you can take the help of **Roboform**, a password manager and form filler. You can securely log into several sites easily as the software will automatically remember the passwords for you and you can log into your favourite sites with a click. Of course, you have to have one unique and long uncrackable password to access through **Roboform**. You can access it any where, any time and on any device.

### ***3 D printing!***

Traditional machining techniques mostly rely on the removal of material by drilling, cutting etc. On the other hand, additive manufacturing or 3D printing is a process of creating an object by laying down successive layers of material. Also known as additive manufacturing, it takes virtual blue prints from CAD or animation modeling software and slices them into digital cross sections for the machine to successively use as a guideline for printing. Material (polymer, glass, metal or ceramic) is deposited on the build bed or platform until layering is completed and the final 3D model has been printed. To perform a print, the machine reads the design from an **stl** file and lays down successive layers of material to build the model from a series of cross sections. These layers, which correspond to the virtual cross sections from the CAD model are joined together or automatically fused to create the final shape. 3D printers give consumers the chance to bring ideas sketched on paper turned into real physical objects in a matter of hours. It is ideal for small volume production of a variety of designs. The technology is used in the fields of jewellery, footwear, industrial design, architecture, engineering and construction, automotive, aerospace, dental and medical industries, education, geographic information systems, civil engineering and many others.

### ***Fracking***

If you simply drill a hole into shale two kilometers below ground, you will get a small quantity of gas. But if you manage to cause cracks in the shale all around the hole, the gas yield multiplies several times. **Fracking** is the nickname of Induced hydraulic fracturing. It is a procedure of creating fractures in underground rock formations by injecting into a bore well a fluid at high pressure, usually consisting of water, sand and chemicals, into cracks to force them further open. Both natural and man made fractures can be widened by fracking. The larger fissures allow more oil and gas to flow out of the formation and into the bore well, from where it can be extracted. Engineers have used fracking as a means of increasing petroleum and natural gas well production since the late 1940s. Now the method is being used to extract **methane** from **shale**.

### ***A promising source of bio fuel!***

As petroleum reserves are getting exhausted, bio fuel is being added to petrol. The problem with bio fuel is that the raw material (soya, canola, corn) is also food for several people, and the diversion leads to increase in food prices. Now researchers have discovered a process for generating bio fuel from **algae**. Up to 70% of biomass of algae is usable oils. Algae do not compete for space for agricultural crops. Algae can survive in salt water and water unusable so far.



### **Mega magnet at Madurai**

In particle physics, astrophysics and space sciences, the finest elements of matter are propelled at close to the speed of light inside a collider — magnetic forces steering them toward their target. The world's largest magnet, weighing 50,000 tons, is being designed at the Habra Atomic Research Center (BARC), India, and will be part of the Iron Calorimetric (ICAL) detector for trapping atmospheric neutrinos produced by cosmic rays in Earth's atmosphere. Neutrinos are basic elements of the universe that can tell us about the origin of matter, energy and stars. The current largest magnet is in use at the Large Hadron Collider (LHC) at CERN in Switzerland. It weighs 110 tons. The new magnet in India will be housed 1,500 meters below the surface of the earth in a cave in a mountain near Madurai University.

### **Flying Eye Hospital!**

A DC 10 aero plane has been operating as an eye hospital for the past 23 years. It is attached to Britain's Orbis Hospital and its biggest sponsor is **Fed Ex**, the world's popular courier service. Flying across the world, especially to developing countries, it attends to critical eye problems and mentors local doctors. It has recently made its fourth visit to Kolkata. Once parked, it is set up as a hospital. Patients are brought on to the plane and treated or operated as required on nonprofit basis.

### **E- cigarettes!**

It is well known that smoking causes cancer. Yet there is a steady increase in the number of smokers, especially in India and China as manufacturers cleverly entice youngsters into smoking. Some of the smokers try to get over the habit by switching to E-cigarettes. An E-Cigarette has a liquid and a heater that is powered by a battery. The liquid evaporates and gives the satisfaction of smoking with a very much reduced risk of cancer. Of course, the risk can be further lowered by not smoking at all.

- compiled by Dr. Palanki Balakrishna

### **Students' eyes in the class**

**Normal times:** (-\_-) (-\_-) (-\_-) (-\_-) (-\_-) (-\_-) (-\_-) (-\_-)

**The day before exam:** (O\_O) (O\_O) (O\_O) (O\_O) (O\_O) (O\_O)

**During the exam:** (→\_→) (←\_←) (→\_→) (←\_←) (→\_→) (←\_←)

**When the principal comes in:** (↓\_↓) (↓\_↓) (↓\_↓) (↓\_↓) (↓\_↓)

- Rintu Joseph, IV CSE

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### **Mahaveer Educational Society**

Chairman: Sri. S. Sudershan Reddy garu, Secretary: Sri. S Surender Reddy garu.

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***Committed to Education, Emancipation and Empowerment***