



AARW NEWSLETTER

A quarterly publication of Anjamma Agi Reddy Engineering College for Women, Hyderabad

Issue No.8, October 2012

From the Principal's Desk

The Management, senior students, teaching and nonteaching staff members of AARW extend a hearty welcome to all our new students. Out of more than 700 engineering colleges in AP, the government permitted higher tuition fee only for a handful, based on the quality of infrastructure, facilities and staff. Our college has the distinction that it is the youngest college in these select few. While the Government spends about Rs.4 lakhs (IIT), 2 lakhs (NIT) and 1.5 lakhs (University) per year on the education of one student, the private engineering colleges are providing quality education at a miniscule fraction of the cost, giving a chance to several students to prosper.

On Teachers' Day, the question was, "Who was your favourite teacher?" Mine was Mr. Pritam Singh, an ex-serviceman who became Physical Instructor at my college. Every morning, he used to bang on our doors in the hostel. For fear of the door breaking, we had to open and rush to the gymnasium. The simple exercises which he made us do for 30 minutes in the gym resulted in excellent state of health for all of us. The habit continues with me even today with wonderful results. Hence he is my favourite teacher. For us to become favourite teachers of our students, we must continuously upgrade our teaching skills. Webinars of the Indo American Collaboration for Engineering Education (IUCEE), NPTEL lectures and loremate.com are examples of rich resources available free on the internet. In addition to technical subjects, we must teach our students values in life so that we will be really inspiring teachers.

In this issue, we list toppers in examinations. A poignant folk song on Child Labour and photographs from Orientation Day and Independence Day follow. Felicitation to Mrs. Madhu Bala comes next. Then we present Chanda Kochar. News of developments in Science, Technology and Health follow in the regular feature *From far and near*.

- Dr. Palanki Balakrishna

Toppers in III B.Tech I Semester I Mid Examinations (August 2012)

ECE: I Femida Bano, II G Mamatha III K Vineela

CSE: I G Swetha Reddy, II P Mounika, III Farriya Naaz, III Minu Mohan

EEE: I B Soundarya, II Sravya Kulkarni, III N Jamuna

Toppers in II B.Tech I Semester I Mid Examinations (August 2012)

ECE: I P Sai Prasanna Kumari, II Syeda Fatima Zohra, III D Manisree

CSE: I Preethi Lal, II Kruttika Sutrave, III D Vaishnavi Goud

EEE: I P Akhila, II K Rohini, III M Nagamani

	<p>Pride of AARW: Ankit Arora worked as <i>Prakrithi Mitra</i> volunteer for the 19 day conference of Parties (CoP-11) from 1st October. She was selected after several layers of scrutiny. She guided delegates and coordinated with national and international media.</p>
	<p>Teachers' Day at AARW: Prof. R Madan Mohan, Director (Academics), Malla Reddy Group of Institutions, delivered a guest lecture on Modern Teaching Methodologies.</p>
	<p>Pavitra Kabirgar Assistant Professor ECE Happy birth day to you and many happy returns of the day</p>
	
<p>A professional team of faculty members (from left) Aparna, Lavanya, Vasavi, Satya Lata, Chandrika, Deepa, Naga Lavanya, Vanaja, Deepika, Syamala, Lakshmi Savitri, Pavitra, Shilaja</p>	

నా చిట్టి చేతులు

నా చిట్టి చేతులు సక్కిని రాతలు నేర్వ లేదయ్యో
నా సంకన మేడితో సాలేరు వాలును దున్నినానయ్యో

నన్ను గన్న వాళ్ళకు ఏడేళ్ళప్పుడే దూరమయ్యాను.
దొరగారి ఎడ్లకొట్టానికి చేరువయ్యాను.
మూడు మూరల కర్రతో ముప్పయి ఎడ్లతో సోపలి నాదయ్యో
దిక్కు దిక్కులే ఉరకంగా నా లేత కాళ్ళకు గుచ్చెను ముళ్ళయ్యో

వెలుగు పోయి చీకటి కమ్మినప్పుడే ఇంటికి పోతానే
నా అమ్మ అయ్యా రాక ముందే నిద్దుర పోతానే
చుక్క గూకిన జాముకి ఎడ్లకొట్టం చూరు కాడుంట
తెల్ల వెలుగులు చిమ్మేటప్పుడు నీళ్ళ బావి కాడుంట
బొక్క ముదరని రెక్కలు బరువులు మోసి నాయ్య పెడుతుంటే
తేప తేపకు దొరసాని రోకటి పోటుల మాటలంటుంటే
అయ్యా చేసిన అప్పుల ఉచ్చులో నేను చిక్కుకున్నానే
ఆ వడ్డి లెక్కలకంటే ఎక్కువ కష్టం చేసేతిని

వాళ్ళ గొడ్లకు ఉలవల పిండి పెట్టి ముద్దుగ చూస్తారే
కడుపు మాడిన నాకు గొడ్డు కారం ముద్దులు పెడతారే
చిన్ని ఒళ్ళకు చిల్లులు పడ్డ అంగి ఒక్కటున్నాడే
వాళ్ళ బిడ్డల వంటికి రంగుల బట్టలు రోజు మారేనే

పెద్దోళ్ళ బిడ్డలు ఏమీ చేసిన ఎంతో ప్రచారం
నేను చేసే పనులకు ఇచ్చే బిరుదులూ ఎంతో ఇకారం
చదువుకు, సంధ్యకు దూరం చేసి దొరకాడుంచకురే
నా గుండెల మీద పుండును చేసి పనికి పంపకురే
అమ్మా నాన్న అందరికీ నేను దండం పెడుతున్నా
నా బాధను గాధని ఆలోచించని కాళ్ళు మొక్కుతున్నా
నీ కాళ్ళు మొక్కుతున్నా

- Collected by B. Radhika



S. Sushmitha II EEE heartily welcoming the freshers



A section of the expectant audience



15th August 2012 begins with prayer from Akhila and party along with Chairman and Principal

<p>Rintu Joseph renders a patriotic song</p>	<p>B Jyothsna giving a forceful message</p>

- *Freedom is not worth having if it does not include the freedom to err – Mahatma Gandhi*
- *Education is the key to unlock the golden door of freedom – George Washington Carver*
- *To be free is not merely to cast off one's chains, but to live in a way that respects and enhances the freedom of others – Nelson Mandela*
- *Emancipation from the bondage of the soil is no freedom for the tree – Rabindranath Tagore*

An album of Independence Day Award Winners



G Shwetha Reddy III CSE



B Soundarya III EEE



Femida Bano III ECE



Sravya Kulkarni III EEE



Preethi Lal II CSE



K Manasa II CSE



P Akhila II EEE



Syed Fatima Zohra II ECE



Hashmat Sultana III ECE



K Shireesha III CSE



S Neeha Tarunnam III ECE



P Mounika III CSE



P Sai Prasanna II ECE



Ch. Lavanya II ECE



C Priyanka II CSE



C Priyanka III EEE



Ankit Arora III CSE



N Jamuna III EEE



Mrs. Madhu Bala being felicitated for dedicated service and meritorious performance – presentation of shawl by Mrs. Lakshmi Savitri Vatsalya, Bouquet and Certificate by Principal



A present to Mrs. Madhu Bala from affectionate staff members



A song from Mrs. Radhika during the felicitation of Mrs. Madhu Bala



Brief but beautiful words from Mrs. Mamatha



Mr. Appalakonda inspires



Mrs. Madhu Bala responds highlighting team work



Ms. Chanda Kochhar (born 1961) is the Managing Director and Chief Executive Officer of ICICI Bank Limited. She holds a Master's Degree in Management from the Jamnalal Bajaj Institute of Management Studies in Mumbai. She received Wockhardt Gold Medal for excellence in studies. She began her career with ICICI as a Management Trainee in 1984 and has thereon successfully risen through the ranks by handling multidimensional assignments and heading all the major functions in the Bank at various points in time. She was awarded "Padma Bhushan" and several other awards. She was ranked 5th in the international list of "50 most powerful women in business" and 17th among the "25 Most Powerful CEOs" by

From Far and Near

I said we would do it, we did it, we did it!

India's space program celebrated a historic milestone in September after successfully launching its 100th space mission. The Indian Space Research Organization (ISRO) put a French satellite and Japanese micro-satellite into polar orbit aboard its Polar Satellite Launch vehicle. The mission's payload included SPOT 6, an observation satellite from France's space agency (CNES), and *Proitères*, a 15-kg microsatellite built by students and faculty at Japan's Osaka Institute of Technology. ISRO's 101st mission also was successful with the launch of G SAT 10 from French Guyana on September 29. It was too heavy (3.4 t) to be launched from India.

Curiosity lands on Mars

NASA launched its Mars Space Laboratory spacecraft from Cape Canaveral Air Force Station in Florida in November 2001. It arrived on the red planet in August 2012. Part of the Mars Space Laboratory is a robotic rover named Curiosity. It is designed to carry out an investigation of Mars' ability to support microbial life. Two other vehicles – named Spirit and Opportunity – have been exploring Mars since 2004. But Curiosity is about two times as long and five times as heavy as the other rovers. And it has many more scientific instruments than they have. The investigation is expected to last almost two years. Fourteen Mars projects have been successful, but twenty-six have failed.

Probing Black Holes

America's National Aeronautics and Space Administration launched a telescope into space in June 2012. It is designed to identify and study black holes. It has been called NuSTAR, the Nuclear Spectroscopic Telescope Array. Black holes lie at the center of every huge galaxy, including our own Milky Way galaxy. The gravitational power of black holes is so strong that not even light can escape from them. As gas, dust and stars are pulled into a black hole, the material moves faster and heats up. This action creates very powerful X-ray light emissions. Scientists plan to use NuSTAR to search for these emissions. Stars, nebulae and black holes emit X-rays of the type that we use in medical X-rays, and these cannot be detected from the surface of the Earth. But the NuSTAR telescope will focus these X-rays onto its digital camera and send the pictures back to Earth for scientific analysis.

A new way to make Hydrogen

Researchers in Germany are working on anaerobic bacteria that produce an enzyme that can generate hydrogen by breaking up water. The enzyme is carefully extracted from the bacteria without exposing them to air which kills them. Hydrogen is a clean fuel that produces water on combustion, unlike carbon that gives green house gases. Electrolysis of water releases hydrogen. There are bacteria that occur naturally in the environment that are able to release electrons outside of the cell, so they can actually produce electricity as they are breaking down organic matter. Exoelectrogenic bacteria, which can transfer electrical energy to conductive materials including metal, are found in ponds, streams, wastewater, sediments and soil. Since the electrical current produced by the bacteria did not provide sufficient voltage for electrolysis of water, researchers at Pennsylvania State University found a way to augment the electricity by making an electrochemical concentration cell with sea water and river water.

Inactivity is a disease

Physical inactivity is the world's fourth leading cause of death. It plays a major part in six to ten percent of deaths from non-communicable diseases. These include conditions like heart disease, diabetes, and colon and breast cancer. If you are active, you probably smoke less. Exercise improves your energy levels by increasing the flow of blood to the heart and blood vessels. One of the main reasons people exercise is to control or reduce their weight. Physical activity burns calories – the energy stored in food. The more calories you burn, the easier it is to control or reduce your weight, along with calorie restriction and good sleep. Exercise helps to reduce the risk of some diseases. Physical activity is also known to increase the release of endorphins. These chemicals reduce feelings of pain. They also help people feel more happy and peaceful.

Cycle away the disease!

Persons affected by Parkinson's disease suffer from uncontrollable movements such as trembling hands or legs. They lose their balance while walking and fall down. It is a degenerative disorder caused by the death of nerve cells in the brain. It can be detected by ultrasound imaging of the brain. It was found that some could however ride a bicycle steadily. The pressure from the pedal seems to be able to prompt the brain to resume motor movement. Hence cycling is recommended as a supportive therapy for the disease. Any physical activity also helps in reinforcing a positive attitude that speeds up recovery.

Alcohol causes cancer

The incidence of cancer has been linked to the consumption of alcohol. Researchers at University of Minnesota found that once ingested, alcohol degrades to acetaldehyde which, in turn, damages our DNA. As in the case of smoking, where even passive smoking can cause cancer, there is no threshold or safe level for consuming alcohol. That is, damage has been found even for small amounts of alcohol. Nature has provided an enzyme that detoxifies the body to some extent, but the enzyme is deficient among Asians.

- compiled by Dr. Palanki Balakrishna

Mahaveer Educational Society

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

Anjamma Agi Reddy Engineering College for Women

Vyasapuri, Bandlaguda, Keshavgi PO., Hyderabad 500005.

EAMCET Code: AARW, JNTUH Code: 8P

Phone: (91) (40) 65810046. www.anjamma.ac.in

Principal and Newsletter Editor: Dr. Palanki Balakrishna, principal.8p@gmail.com

Committed to Education, Emancipation and Empowerment of Women