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AAR MAHAVEER NEWSLETTER

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From the Principal's Desk

A new chapter has begun in the history of the Telugus. Now that Telangana State has been formed, all out effort has to be made by every one including students and teachers to exert to their best and bring prosperity to the region in particular and the country in general.

As usual, the results at our college have been outstanding. For example, in the last semester of final year B.Tech, the pass percentages have been 100 in EEE, 97 in CSE and 91 in ECE. Students are scoring more marks in labs and workshops than in theory subjects. After all, engineers are expected to be good in practice. While one can be happy at the high percentage of success, we the teachers must check if there has been a significant upward shift in the mean marks and maximum marks secured. Only then we can be satisfied that we are progressing forward. We must also act to improve the public perception that only a fourth of the engineering graduates are industry-ready. Teachers who have joined us after working in the industry should feel free to come forward with concrete proposals directed at enhancing employability of our students. The industry too can do a lot by accepting engineering students as interns. At present the public sector and government institutions are doing a great job by providing project work facilities and summer vacation training to students. Some reputed private companies too have been doing a great service by undertaking training of students, but these are only a handful. The culture of accepting engineering students as interns has to spread through the entire industry as part of their corporate social responsibility.

Facebook has become popular with our students. The number of students visiting facebook appears to be more than that seeing the College Notice Boards. So the College too has begun to make use of the social network for passing on information to students. However one has to be careful while befriending strangers online and watch out against fraudsters and imposters. The media speak of several cases of huge funds being promised and amounts being collected in the name of transaction or processing fee or clearance charges. Do not reveal too much information on the facebook as people are just waiting to cash in with promises of jobs, money or marriage.

— Dr. Palanki Balakrishna

"Every moment you get is a gift. Spend it on things that matter. Do not dwell on unhappy things" - Celestine Chua (b.1984)

In this issue

Two past students share their views and feelings with the principal. We give the names of toppers in IV-II exams. This is followed by the gist of presentation made by Principal at the University of South Florida, Tampa, USA on June 25, 2014. Then we give a brief account of the seminar on National Security addressed by distinguished guest speakers Professor Tirupati Rao, former Vice Chancellor, Osmania University and Arunkumarji, Founder Director, J & K Study Centre, New Delhi. We have a few photographs from the Farewell function of Final year B.Tech students. Narasimha Rao says 'no' to seminars on solar power and gives a practical example. Finally, latest developments in science, technology, health and society are presented in the most popular item of the newsletter *From Far and near*.

IV B.Tech College Toppers

I Hashmath Sultana (ECE), II Fehmida Bano (ECE), III B. Soundarya (EEE)

Department Rank holders in B.Tech IV-II

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

ECE: I Hashmath Sultana, II Fehmida Bano, III Kallu Vineela

EEE: I B. Soundarya, II Jamuna Nunavath, III Sravya Kulkarni

Past students Shahareen and Priyanka Nelanti in a chat with Principal



The other day **Ms. Vasudha**, HOD ECE asked if I had a little time for two students who had just received their provisional B.Tech degree and Consolidated Marks Memo. They wanted to say, “Good Bye”. They were somewhat in a jovial mood perhaps as the ordeal of class room learning got over. I decided to spend some time listening to them.

Shahareen said she was allowed to stay at the Government Hostel for a little more time until she got something in hand. She has appeared for the post graduate entrance test. She is also seriously applying for jobs. She

has been successful in the written test, group discussion and Just a Minute speaking sessions. What was the topic in GD? Progress being impeded by prevalence of corruption. She is now waiting for the final interview. She said it was a software developing firm. She is attending Java classes to augment her industry readiness. Her father is a textile merchant in Mancherial and she is eager to add to the family income. What did she like in the college? She liked the seminars where students were encouraged to speak. She also liked students being given the responsibility of organizing college events and anchoring. Her advice to students is “Never miss an opportunity to speak on a public platform”. She also liked the picnic. What does she like about Hyderabad? She likes Metro Rail. It is environmentally friendly and offers an economic alternative to the congested road transport. The great thing is that the work is progressing fast without stopping regular traffic. She said that the engineers and technicians are the real heroes of any society.

Priyanka Nelanti stays with her parents, She said she could not devote too much time for job hunting, as there were some calamities in the house. She, her mother and father visited her cousin at the hospital and were returning home. A dog ran in front of the mobike. The sudden application of brakes resulted in a fall of all the occupants. Mother sustained a fracture and father's teeth got damaged. She herself had a bruise. Father carries on a small financial business in Hyderabad. She said she posted her resume on naukri.com. She received some calls but these were in another state. Her family circumstances require her to get a job in Hyderabad. She is distressed about the drowning of Hyderabad students in Himachal Pradesh where gates were opened and water was let out suddenly. She is also shocked by the school bus having got crushed by the train. These tragedies were due to avoidable human errors. What is achieved by banning aged drivers? Mistakes are committed by younger drivers as well as young blood prompts them to race the vehicle. See the autorickshaw and mobike riders who criss cross at will ignoring the traffic signals. What is required is close monitoring followed by penalties and punishment of erring drivers. This will bring in discipline and bring down the number of accidents, which is the highest per 1000 persons in India. She strongly feels that the government should not hit at the stomach of aged employees who need the income to support their families and medicare. “Sir, what is your advice to us?”, they asked.

First advice is to remain physically fit by walking and exerting in whatever manner possible. Do not hesitate to do domestic chores on your own. Understand the link between body, mind and behaviour. Consider stress as a motivator and not debilitator. Do not be upset by setbacks. Set backs in life are inevitable, withstand the set back and work and wait for better times. Do not give too much weightage to what people say about you. You decide what you wish to be and work for it, ignoring public opinion. Do not expect too much attention or affection from others. This may not be forthcoming and one may feel disappointed. While we have no control on what we receive, certainly we are in a position to give affection to others. It is not always necessary that you give your money or your heart to some one. A kind word, sparing a few minutes listening to the other person, giving a piece of genuine advice, a smile without sacrificing your own dignity- all these things enrich ones life.

You have to be economically independent, that is you must have your own job and your own income. Your empowerment comes with your money. There is also a great demand for tuitions in case you do not get regular job. When you buy fruit or vegetables, you will expect the seller to show a slight tilt up on the weight side. Similarly in whatever you do, try to show a tilt of the balance. If your employer wants you to be in the office at 9.30 am, try to reach by 9.15 am. If he wants the job to be completed in 6 days, try to complete it in five days. If customers seek information, provide it whole heartedly. Having chosen the engineering profession, never lose touch with your subjects. Work experience backed by subject knowledge makes you an expert in the field.

All the best, Shahreen and Priyanka Nelanti, and thank you Ms. Vasudha for bringing them in.

- Dr. Palanki Balakrishna

Del and Beth Kimbler Lecture Series

A VISION FOR ENGINEERING EDUCATION

Speaker:

Balakrishna Palanki Ph.D

Wed 25 June 2014, 11 am to 12 noon.

Department of Industrial and Management Systems Engineering, College of Engineering, University of South Florida, Tampa, USA

Abstract

It is a bitter truth that the extent of enrolment for engineering courses has not kept pace with the requirements of a robust growing economy. The drop outs from those enrolled has also been not insignificant. Further, a gap has been perceived between industry specific employability needs and the real capabilities of university output engineers. To mitigate the situation, several reputed universities and institutions in the US have embarked on reforms to further improve engineering education. Unlike other teachers, the engineering teacher does not have the benefit of a formal degree in Education before becoming a teacher. Engineering teachers exist not only in the universities, but also in the industry and service sectors where apprentice engineers have to be molded into star performers. This presentation is intended as an introduction of the philosophy and methodology of engineering education to engineers and engineering researchers aspiring to become teachers. Awareness and application of the knowledge by the engineering teachers will yield engineers with cultivated professional, self propelling, communicative, multi disciplinary, innovative, analytical, critical and team skills essential for a rapidly changing and increasingly demanding complex environment. It will also make teaching / learning a joyous, rewarding and fulfilling experience.

"Do not ask yourself what the world needs. Ask yourself what makes you come alive. And then go and do that. Because what the world needs is people who are alive"
- Howard Thurman (1899-1981)

Seminar on National Security, July 30, 2014

Our students will soon step out and face the reality of the world. A special seminar was held on 30.07.2014 for all fourth year students to sensitise them on security issues facing the country today. Sri Arunkumarji, Social activist and Founder Director of Jammu and Kashmir Study Centre, New Delhi, Professor T Tirupati Rao, former Vice Chancellor of Osmania University who is also the President of the Hyderabad Chapter and Prof. Ravindra Sastry, Vice President of the Hyderabad Chapter graced the occasion by their presence.

Professor Tirupati Rao appreciated the college Management for having taken initiative to expose the students to eminent thinkers. Engineers need to have sensitivity to national security and global developments. India is emerging as a global player. The western nations are eager to do business with India. We have a great opportunity to become global leaders. For this, we must act with unity of purpose, transcending differences in religion, region, caste, economic status and feel that we are Indians first and all other things next.

Sri Arunkumarji said that in the past there were two super powers, the US and the USSR. The expectation was that once the USSR disintegrated, the world would be dominated by one power. But this did not happen. Now the world has become multipolar. India is emerging as a super power. India has a geostrategic location. It has vast cultivable land, rich biodiversity, unity in diversity, ability to accept challenge and change. But we have not been a strategic society. Most of the people have been without a vision, mission and ambition. There is no doubt that there is a strong urge for individual progress – to acquire a qualification, to get a job etc, but there is no urge for common good and societal progress. A huge quantity of illegal arms of 54 different varieties have been captured in the country. This is indicative of the immensity of the threat to peace. Every citizen should give up indifference and join hands with the security forces for safeguarding the country. Internal contradictions have become a greater threat to the country than external factors. In many cases, the people do not know the true situation. They go by media reports and get emotionally charged. Intellectuals have to take up the responsibility of providing facts and in correct perspective. Many people are not aware of the facts, for example, about Jammu and Kashmir. The state consists of Jammu (26000 sq.km, Hindu majority), Kashmir (16000 sq.km, Muslim majority) and Ladakh (59000 sq.km, Buddhist majority). The general perception of the common man is that there are separatists in Kashmir. The separatists belong to a few families that do not represent the views of the entire population of J & K. Internally displaced people of Jammu have been living elsewhere in camps for generations. No problem should be allowed to remain for ever. Citizens must be kept well informed. Constructive criticism and debate must be encouraged. Bold decisions must be taken to preserve the integrity and sovereignty of the country. A new awareness has to be created so that every individual is seized with a feeling of societal responsibility and the national interest takes precedence over self interest. Only then will India gain its rightful place in the world arena.

The speech was followed by a lively question and answer session. What could be done to discourage internal contradictions? Every student must set goals for himself. He must cultivate self discipline and think of new ideas. The commitment should not evaporate after a few days. Every individual should do his bit by seeking and placing before the others facts and figures so that objective and informed public opinion evolves. The power of the vote has to be judiciously used so that the leadership goes into the hands of the committed. Every citizen must focus on enhancing internal security and instead of leaving it to the politician, the security forces and the government.



With dignitaries being seated on the dias, the seminar is about to begin

From right: 1. Dr. Palanki Balakrishna, Principal AARM, 2. Prof. Ravindra Sastry, Vice President of Hyderabad Chapter of J&K Study Centre 3. Arunkumarji, Founder Director, J&K Study Centre, New Delhi 4. Sri Surender Reddy, Secretary Mahaveer Educational Society, 5. Prof T Tirupati Rao, former Vice chancellor, Osmania University and President, Hyderabad Chapter of J&K Study Centre 6. Sri KSSSN Redy, Principal MIST



Deepa prajwalana by Secretary, Sri Surender Reddy



The distinguished speakers – Left: Arun Kumarji, Right: Professor T Tirupati Rao



Secretary Mahaveer Educational Society presenting shawl to Arunkumarji



Shawl being presented to Professor Tirupati Rao (Left) and Professor Ravindra Sastry (Right) by Secretary, Mahaveer Educational Society



Attentive audience listening to the thought provoking lecture



The question and answer session was most lively

Farewell our dear students!
Hearty Congratulations on getting your B.Tech Degree !



Principal with a group of Students: Generation apart, but the goal is the same



We want to be together for ever



All smiles and brightness



‘V’ for Vision, Vigour and Victory!



Of course, we are a disciplined lot



Bound by friendship and bound by the engineering profession



The last counseling session with mentor Mr. P Nookaraju



We are all birds of the same feather, intelligent, forward looking and happy!



United, we sit! Standees are teachers



My India is Great!

This fruit juice vendor runs his stall on his push cart. He uses a small mixi and a small refrigerator for his business. Both the gadgets run on solar power generated from the panel that also serves as a roof for his items.

- inserted by M. Narasimha Rao, Lab Assistant (Physics) & Assistant (Exam Branch)

From Far and Near

India is global player in Space technology

PSLV C 23 was launched from Sriharikota on June 30, 2014. Five foreign satellites were successfully placed in geostationary orbits. Besides its primary payload of 714 kg French Earth Observation Satellite SPOT-7, PSLV C23 carried and placed in orbit 14 kg AISAT of Germany, NLS7.1 (CAN-X4) and NLS7.2 (CAN-X5) of Canada each weighing 15 kg and the 7 kg VELOX-1 of Singapore.

Now they can weigh galaxies!

Our solar system is in the galaxy called Milky Way. The neighbouring galaxy is Andromeda. 90% of the matter of either galaxy is the mysterious and theoretical substance called dark matter. Scottish Scientists say that even though the two galaxies are of the same size and the same spiral shape, Milky Way weighs only about half as much as Andromeda. This is being attributed to the lesser quantity of dark matter in our own galaxy.

Ebola virus

The World Health Organisation has declared the spread of Ebola virus in West Africa as an international emergency. The deadly Ebola gets transmitted through body fluids. It has caused the deaths of several persons in Nigeria, Liberia and Sierra Leone some of whom were doctors, nurses and relatives attending to patients affected by Ebola virus. Beginning with fever and body aches, the disease turns into vomiting and diarrhea. With an incubation period of 21 days, the virus attacks the blood clotting mechanism leading to loss of blood in no time. There is no proven cure or vaccine as on today against the virus and authorities are contemplating authorizing the use of experimental drugs to contain the spread of the virus.

One Million death study

In India, about half the deaths take place at home and you do not know how many died of malaria and how many died of AIDS. The circumstances are not documented as in the case of hospital deaths. Dr. Prabhat Jha of Centre for Global Health Research, Bangalore is the spirit behind the project that collects information as to how an individual died and his life style. The aim is to include data on the deaths of one million people. Field workers visit households where a death has occurred and collect data which is examined by two physicians. The structured interview is known as Verbal Autopsy and conducted in local language with a member of the family who witnessed the death. Beginning 1998, about half the number have been covered so far. A study of the dead will help those living. While death can not be avoided, early death can be. The data helps the government decide which aspect requires more attention and funding. The life of smokers has been on the average reduced by smoking, so a lot of awareness advertising has been taken up.

Slash sugar and live longer!

People who got 25% of their calories from added sugar – mainly in sweetened drinks like soda, cookies and juice – were three times more likely to die of heart problems than those who consumed less than 10% of daily calories from sugar. This finding is from a study of more than 11000 people and 18 years of data.

Obesity on the rise

The population of the world is 7.2 billion. Of these, 2 billion are obese. The figure was only 857 million in 1980. The increase in obesity has been 28% over the past 33 years. 62% of obese people live in the developing world. The greatest gain in body weight has been found in China, India, Russia, Egypt, Pakistan, Indonesia in a list of 188 countries. Half of the children are considered obese. The increase in obesity has been linked to easy availability of ready made and inexpensive fast food and lack of exercise with the ready availability of motorized transport. Weight gain in the US and Europe has slowed in the past 8 years due to increased awareness of the dangers of obesity and exercising.

Standeers at work!

You and I would like to have a table and chair at our work place. But there are some employees who do not want these. They just want a desk without chair. They would like to do their work while standing! One standing enthusiast claimed that chronic pain in muscles and joints disappeared after standing and working. She also felt more energetic at the end of the day. She is burning 1200 calories a day. The more you sit, the greater you risk overweight, Cardio Vascular Disease and diabetes. Every hour spent sitting is linked to 50% greater risk of being disabled. Exercise does not compensate for sitting. So we must build exercise into your work routine. Go to canteen to have a cup of coffee. Do not ask for its being brought to your desk. Keep the telephone away from you so that you have to walk to reach it. Forget the elevator for going up at least for two floors.

Walking and creativity

A person's creative ideas increase by almost 60 percent when walking compared to sitting according to Stanford University study.

Now women can lead battalions!

It has become common to find women bus conductors and even auto and taxi drivers and airline pilots. In a historic move, the army has decided that women officers joining from 2015 onwards will be allowed to command battalions once they reach the rank of Colonel. Better late than never, in the land of Rani of Jhansi and Rudrama Devi.

Self attestation is enough!

The Centre has decided to do away with the necessity of filing affidavits from Gazetted Officer or a notary for a big chunk of government related work and instead promote self attestation of documents. It has also asked the states to review the existing requirements. A great relief, though the administrative reform took 66 years after gaining independence.

- compiled by Dr. Palanki Balakrishna

CARE HOSPITAL HEALTH CAMP was held in the college premises on 14.07.2014. Several students and staff members were checked for Height, Weight, Blood Pressure and Random Blood Sugar and other characteristics and offered preliminary health care advice. What are the normal values? For blood pressure, it is 120 / 80 mm Hg. For Random Blood Sugar, it is less than 140 mg/dl.

Mahaveer Educational Society

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

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