

# BULLETIN

## OUR ACADEMIC PHILOSOPHY

The STUDENT is the centre of the educational universe around whom all our work revolves and towards whose welfare all our efforts are directed.

Yes, we are Active - Activity Means Progress - Progress is our Business



## ARASAN GANESAN POLYTECHNIC COLLEGE SIVAKASI

Work is Wealth

Service is Happiness

October 2010

10/2k10

### Liaison with Overseas Companies!



*Mr. M. Nandakumar, Vice Principal discussing with Mr. Mohammed Abdulla Al. Shivari, CEO of EPP, Dubai and Mr. Samuel Natarajan, Executive Director of EPP, Dubai.*

As invitees of Emirates Printing Press, Dubai Mr. M. Nandakumar, Vice Principal and Mr. N. Sivaraman, Sr. Lecturer visited their press from 25th to 30th September 2010. During the visit they went through some of their world class printing machineries, as preps software, online proofing, CPC offset machines, sheetfed gravure, Muller martini perfect binding, Kolbus binding, etc. The world best printing award was won by Emirates Printing Press for this year. The invitees had the honour of seeing the award winning job and the machines used for printing. They have observed the quality aspects considered to win such a prestigious award. It was great to notice that one of our alumni was involved in printing of these jobs. They had discussion with senior staff members of all departments of Emirates Printing Press and received feedback about our student's performance and noted their suggestion for improvements. They had a get-together with all our alumni working in Dubai. Thirty six (36) of our alumni enthusiastically participated and feed back was collected from them. The visit has created a great impact in improving liaison with overseas companies for placement and to offer tailor-made courses as well.

The details of our alumni who participated in the get-together in Dubai.

Emirates Printing Press	13	Future Pack	02
Pacman - LLC	11	Majen printing & Packaging LLC	01
United Printing & Publishing	02	Vesham Printing Press	01
Technical Resources	01	AFRA Printing Equipment	01
Al. Ghuvair Print & Publishing	03	Modern Printing Press	01
		<b>Total</b>	<b>36</b>

Well done gentlemen!

## Communicate Technology!

Communication Skill has become an essential asset of technical students. So we give them a platform to present their ideas on “Let Us Know...” to a large gathering of students in the General Assembly every week. The students collect data about a recent technological advancement and confidently deliver the data to the audience.

So amazing has been the output of our students in the morning assemblies that their presentations have been recognized with prizes also! Recognition and reward after all are the highest forms of appreciation, aren't they? Now, the nucleus unfolded for your glance.

**Automatic Clutch** - A **clutch** is a mechanical device which provides driving force to another mechanism, typically by connecting the driven mechanism to the driving mechanism. Its opposite component is a brake, which inhibits motion.

Clutches are useful devices that have two rotating shafts. In these devices, one shaft is typically attached to a motor or other power unit (the driving member), and the other shaft (the driven member) provides output power for work to be done. The clutch connects the two shafts so that they can either be locked together and spin at the same speed (engaged), or be decoupled and spin at different speeds (disengaged).

In Automatic Clutch bikes we can just change the gears as in regular bikes, except handling the clutch. The clutch handling is managed by a rotary gear system in which gears can be changed without operation of clutch.

### Advantages of Automatic Clutch :

- ? Change gear without using our foot / hand to operate the clutch.
  - ? Easy to ride the vehicle in heavy traffic.
  - ? No engine or gearbox modifications.
  - ? Can be switched on or off even while driving
- Economic time spending to install

**Touch Screen** - A touch screen is a computer or mobile display screen that is also an input device. The screens are sensitive to pressure; a user interacts with the computer by touching pictures or words on the screen. Now a days most of the old techniques of using electronic switches are replaced with computer enabled touch screen based controls. This gives great flexibility in working and operations.

There are three types of touch screen technology:

**Resistive:** A resistive touch screen panel is coated with a thin metallic electrically conductive and resistive layer that causes a change in the electrical current which is registered as a touch event and sent to the controller for processing.

**Surface wave:** Surface wave technology uses ultrasonic waves that pass over the touch screen panel. When the panel is touched, a portion of the wave is absorbed. This change in the ultrasonic waves registers the position of the touch event and sends this information to the controller for processing.

**Capacitive:** A capacitive touch screen panel is coated with a material that stores electrical charges. When the panel is touched, a small amount of charge is drawn to the point of contact. Circuits located at each corner of the panel measure the charge and send the information to the controller for processing.

**Applications of Touch screen :** The touch screen interface is being used in a wide variety of applications to improve human-computer interaction. Other applications include digital jukeboxes, computerized gaming, student registration systems, multimedia software, financial and scientific applications, and more.

**Space Mouse** - An ordinary mouse detects motion in the X and Y plane and acts as a two dimensional controller. It is not well suited for people to use in a 3D graphics environment.

SpaceMouse with its V-shaped cap naturally supports the zoom feature, its 11 buttons puts the most used functions right at your fingertips. SpaceMouse is as essential a tool as your mouse or keyboard, giving you the ability to manipulate 3D objects on the screen, while simultaneously controlling 3D camera angles and positions for viewing those objects. It's a much more natural, free-flowing way to work. If you use a common interface, executing even simple moves requires a decision, then keystrokes and/or mouse clicks. This interrupts your natural motion, slowing you down and actually restricting you from attempting more complete or continuous motion. But, the greater flexibility and interactivity of a 3D motion controller makes even difficult moves easy. You're free to go farther and be even more creative.

**Net Banking** - Internet banking or banking via the Internet, can be considered a remarkable development in the banking sector. The ability to carry out banking transactions through the Internet has empowered customers to execute their financial transactions within the comfort of their homes. Besides this, the benefits of Internet banking is not limited to a particular group of people, as it benefits both bankers and customers alike. Let's have a look at some of the important advantages of Internet banking.

## NSS Calendar!

The three NSS units of our college prove their interest and involvement in all their endeavours. Let's have a glance at their various programmes.

1. Mass cleaning work was arranged at Government Hospital, Sivakasi. 50 of our volunteers removed the bushes and made the campus clean.

2. Regional Level Programme Officers review meeting was conducted at K.L.N.Polytechnic College, Madurai. The Commissioner/ DOTE presided over the function. The Programme officers Mr.R.Rajasekaran, Mr.K.Sundararajan and Mrs.A.Yamunalakshmi attended the programme.

3. DOTE-NSS, one-day Inter Polytechnic Colleges workshop on "Disaster Management" was conducted at Senthilandavar Polytechnic College, Tenkasi. Our Programme Officer Mr.K.Sundararajan and five volunteers participated.

4. Mr.S.Murugesan, Sub-Inspector, Traffic Police, Sivakasi delivered a speech on "Traffic Safety". He insisted on having driving license, obeying traffic rules and signals, avoiding night riding and foot board travelling etc. in an emphatic manner.



*Lecture on Traffic Rules*

5. DOTE-NSS organized a one-day Crash Training Programme for Untrained / New Programme Officers at Lakshmi Ammal Polytechnic College, Kovilpatti. Programme Officers Mr.R.Rajasekaran and Mr.K.Sundararajan participated.

6. A blood donation camp was arranged in our campus in collaboration with Youth Red cross and Government Hospital Sivakasi. 110 units of blood were donated.

7. Our programme Officer Mr.K.Sundararajan, attended the ten-day General Orientation Course (GOC) for NSS Programme Officers at Training and Orientation Centre (TOC), Avinashilingam University for Women, Coimbatore from 20.9.10 to 29.09.10.

8. Tamil essay contest on "India 2020" or "Future India" and Tamil versification contest on "Role of Youth in the development of India" or "Unity in Diversity" were conducted.

9. A Guest lecture was arranged on "Importance of Yoga and Diet". Mr.Maran.G., Yoga master of Annai Natural Food, Sivakasi delivered the lecture cum demonstration. Volunteers actively participated.

## CDTP

Through CDTP (Community Development Through Polytechnics) scheme free training courses are conducted for the benefit of the unemployed youth and women from the various villages in and around Sivakasi. Following are the training courses being conducted from August 2010 onwards.

Sl. No.	Name of the course	Duration	No. of persons admitted
1.	House Electrician	2 Months	25 Nos.
2.	Book Binding	1 Month	25 Nos.
3.	DTP Works	3 Months	25 Nos.
4.	Office Automation	2 Months	31 Nos.
5.	Tally	2 Months	35 Nos.
6.	Welding & Fabrication	1 Month	40 Nos.

## ISTE STAFF CHAPTER, Accelerated



*Our principal Sri D. Balasubramanian throwing light on teaching skill*

The ISTE staff chapter has gained momentum, with Mrs.S.Palaniselvi as the new secretary. A Guest lecture on “Teaching Skills” by Dr.B.Rajendran, TN Section Managing Committee Member of ISTE staff chapter & HOD/Maths, Mepco Schlenk Engg. College, Sivakasi was organized on 27.08.2010. Our principal Sri. D. Balasubramanian in his presidential address stressed the necessity of developing the teaching skills. The chief guest Dr.B.Rajendran stated that today's teacher should have thorough knowledge in their field, good communication skills, interest and aptitude towards teaching and should know how to respect others. He also detailed how to handle the problematic students inside the classroom and also created a conducive classroom atmosphere.

A special Lecture on “Space shuttle-mission to space” was given by Thiru. G. Venkateswaran, Sr.Lecturer/P.Tech, on 17.08.2010. His explanations on the moon lander, mission sequence to earth, parts of rockets, shuttle components, atmosphere inside the shuttle and repair method, were quite interesting and informative.

A group discussion on “Method of Counseling” was arranged on 13.09.2010.Thiru.K.Kannapiran, HOD/Basic Engineering acted as the moderator. It was agreed finally that availability, approachability & amiability should be the typical traits of a good counselor.

Another lecture on “The Divine Proportion” by Thiru.V.Srinivasan, HOD/Maths was arranged on 28.09.2010. He illustrated the Pythagoras discovery of irrational number, the rabbits puzzle posed by Fibonacci, the golden ratio 1.618034 in relation to sections of finger, butterflies wing, Saturn's (planet) rings, DNA molecule, Chakras of the head, plant growth, book design, petals count in flower, leaf arrangement, seed heads, vegetables, fruits, the architecture of Parthenon temple, UN buildings, planets arrangement in the galaxy and credit cards. The presentation was so informative that another session is allotted for the same topic!

WELLDONE Mr.V.S.!

## Paper Presentation, The style of AGPC students!

M.Selva Kumar & B.Gowdham of III yr ECE participated in model making contest at Velammal Engineering College, Madurai on 28.07.2010

M.Thamim Ansari & P.Kartheeswaran of III yr ECE participated in paper presentation contest at SCAD Polytechnic college,Cheranmahadevi on “Recent display in commercial purpose” on 28.07.2010.

B.Karthick Rajan and A.Hareshkumar of II year ECE and J.Suriyaprakasam & D.Saravanan of II year EEE participated in model making contest at Karpagam polytechnic college, Coimbatore on 19.08.2010.

M.Selva Kumar and S.Sankar Ganesh of III year ECE participated in paper presentation contest on “Bio-Medical Instrumentation” at Bagthavatchalam Polytechnic College, Kancheepuram on 06.09.2010.

S.Sheik Mohamed and M.Selva Kumar of III year ECE participated in paper presentation contest on “Global Positioning System” at Arulmigu Senthilandavar Polytechnic College,Tenkasi on 11.09.2010.

U.P.Muthukumaran & P.Ponraj, II yr. EEE participated in the paper presentation contest and submitted a paper on “Special Machines” held at SCAD Polytechnic college ,Cheranmahadevi on 14.08.2010.

M. Selvakumar and I.Syed Ali, II yr. EEE participated in the paper presentation contest held at Venkateshwara Polytechnic college,Pudukkottai and presented a paper on the topic “E-Waste management” on 27.08.2010.

N . Tippusulthan Ali & A.Hariharaselvan, III yr. EEE presented a paper on HVDC in a paper presentation contest held at Venkateshwara Polytechnic College,Pudukkottai on 27.08.10 and won the First prize of Rs 2000/-

Congrats gentle men!

## Guest Lectures

Er.S.N.N.Sivapiran, JC Trainer and leading Civil Engineer, delivered a lecture on "Leadership" for II yr. students ECE students on 29.07.2010.

Mr. S. Karthikeyan, Computer Consultant delivered a lecture on "Computer Hardware Servicing" for II and III year ECE students on 13.08.2010.

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## Teachers' lecture

"Computer Hardware Servicing" was conducted for Kaliswari college students from 28.06.2010 to 12.10.2010, by the Computer Dept.

Mr. L.Murugesan, ECE Dept delivered a lecture on "Micro-Controller Development Board" to the III yr. ECE students on 26.07.2010.

Mr.D.Moses Daniel Prabhakar, Mrs.S.Palani Selvi and Mr.L.Murugesan, ECE Dept. attended an ISTE meeting at Mepco Schlenk Engg. College, Sivakasi on 26.08.2010.

Mr.V.Jayakumar of EEE motivated the II and III year EEE students on "How to take a seminar".

Mr.B.Guru Karthick Babu and Mr.S.Joyal Isac of EEE gave tips on "How to prepare for paper presentation contest".

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## Smile Please!

Every time you smile at someone, it is an action of love, a gift to that person, a beautiful thing.

- Mother Teresa

Because of your smile, you make life more beautiful.

- Thich Nhat Hanh

## Placement

The Training and Placement always aims at 100% placement for our students in reputed industries. To enhance their skills and imbibe values, career guidance programmes are conducted with the help of our teachers. The following are the programmes organized from 02.08.2010 to 17.09.2010.

Sl. No.	Topic	Resource Person
1.	Stress Management	Sri. V. Marikkani / ECE
2.	How to succeed in an interview	Sri. G. Venkateswaran / P. Tech.
3.	Career Preparedness	Sri. V. Srinivasan / Maths
4.	Mock Interview	Sri. K. Kannapiran / Chemistry
5.	Tips to face interviews	Sri. N. Sivaraman / P. Tech.
6.	Resume preparation	Sri. R. Raman / Physics

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## PWD

The PWD Project cell conducted a Lecture programme for our PWD formal students (33 Nos.) on the topic "Personality Development" on 18.08.2010. The lecture was delivered by Mr. M. Nandakumar, Vice Principal & Project Champion of PWD Project. The PWD students were motivated to improve personality to excel in their studies.



*The Vice Principal motivating the PWD students*

## Sports News!

IPAA Madurai Division (Men) Games & Sports - 2010 - 2011 is hosted by our Institution. The General Body Meeting in this regard was organized on 06.08.2010.

Our Laurels in IPAA Division:

1. Volleyball - Winner
2. Hockey - Winner
3. Chess - III place
4. Basketball - III place

Open Tournament:

Roto ATHLETE - 2010 Inter Collegiate Athletic meet was conducted at AGPC on 28.08.2010. Selvan A. Gopinathan of II year P. Tech. won the II place in High Jump.

Selvan T. Arunjunai Selvan of I year ECE won the II place in Long Jump & II place in Triple Jump.

Our College Volleyball & Hockey teams participated in State Level Youth Carnival Tournament at Nehru Stadium, Chennai on 10<sup>th</sup> - 12<sup>th</sup> August 2010 organized by TANSACS.

## New ANO for our NCC!

Mr. R. Madhanagopal, Physical Director of our college attended NCC Pre-Commission Training at NCC Officers Training Academy, Kamptec, Nagpur from 12.07.2010 to 09.10.2010, to assume charge as New Associate NCC officer.

## Environment upkeep!

It is the duty of every conscientious human to upkeep the environmental purity & protection. Our environment development cell is very keen on promoting the awareness and upliftment of environmental upkeep through various programmes & competitions. To quote a few, the Drawing competition, Tree plantation and Quiz contest organized on 29.07.2010, 15.08.2010 and 08.09.2010 respectively. Nearly 150 students earnestly participated in all these programmes.



*Right way of celebrating the independence day*

## Added Infrastructure

The EEE Dept technicians extended their service in installing the new UPS of 3 KVA in office and 5 KVA in our Computer Center.

## Work in Teams

A Lecture on term work was arranged for the WID members on 29.07.10. Miss.J.Ramathilagam, Lecturer / I.T discriminated the advantages of team work from that of the individual work. Yes, None of us is greater than on all of us!

## Intensive Learning!

Our Third year ECE students went on an industrial visit to R.L.Institute of Nautical sciences, Madurai on 25.08.2010.

## Celebrate Women!

We are conceived in woman, we are born to woman. Woman is our lifelong companion, and pillar of our survival. It is through woman, that we establish social relationships. Why should we denounce her, when even kings and great men are born from her?

- Guru Nanak

## Quotes!

Health is the greatest possession. Contentment is the greatest treasure. Confidence is the greatest friend. Non-being is the greatest joy.

- Lao Tzu, Chinese Philosopher

Everything changes, nothing remains without change.

- Gautama Buddha

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