B U L L E T I N

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

EVES' FEST at AGP

The P.A.C.R. Polytechnic College team with the Rajeswari Vijayakumar Rolling cup!

An Inter-polytechnic cultural competition for college girls "Eves' Fest 2011" was conducted at Arasan Ganesan Polytechnic College, Sivakasi by the Women in Development cell in a grand manner. 84 students from 12 polytechnic colleges of the southern districts participated in the Fest. Mr.D.Balasubramanian, Principal inaugurated the contests. Competitions like Group Dance, Hair Dressing, Pen-shadowy, Quiz, Mehandi Design, Six questions, Solo Tune, Makkolam etc., were conducted in the auditorium amidst cheerful reverberation.

P.A.C. Ramasamy Raja polytechnic college, Rajapalayam won the "Rajeswari Vijayakumar Memorial Rolling Trophy" for the best overall performance. M.Subhalakshmi of Arasan Ganesan Polytechnic College, Sivakasi got 16 points and won the individual best performance title "Miss Talentia". The competition "Six Questions" and Quiz programme attracted everyone.

Tmt. Sharmila Jeyagraham, B.Com., Governing Council Member, AGPC, Sivakasi was the Chief Guest for the Eves' Fest. She threw light on the inner strength of the womenfolk and motivated them to achieve in all possible areas. Manifestation of courage and confidence should be their style of life, she added.

No doubt she received warm accolades from the audience!

Campus Enlightened !

The LED serial light purchased at the cost of Rs.47,000 will enhance the appearance of our main building, thereby adding elegance to our main block.

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.

Nano Nose - The nano nose is an instrument with an array of nano sized optical sensors that produces digital patterns when exposed to radiation passing through a gaseous mixture.

A team of scientists from the University of Massachusetts Amherst has created a kind of molecular nose that uses nanoparticle-based sensors to sniff out and identify proteins. The sensors, which can be trained to detect a wide variety of proteins, could eventually serve as a medical diagnostic tool by sniffing out the proteins made by sickly cells.

Different types of proteins have different features, thus having a property to attach to various receptors.The molecule attached to the receptor particles and then it was replaced by protein molecule when the latter bound to the receptor. This way, the more the fluorescent molecule was displaced, the more light produced.

During the experiments the scientists ran tests with 56 different proteins and proved that the signals produced by the receptors could be then used to distinguish among various proteins. The 'nano-nose' was accurate in 96 of 100 cases during these tests.

Junk Food - A food that is high in fat, sodium, and/or sugar is known as a junk food.

A junk food has little enzyme producing vitamins and minerals and contains empty calories.

A study by Paul Johnson and Paul Kenny at The Scripps Research Institute suggested that junk food alters brain activity in a manner similar to addictive drugs like cocaine or heroin. It is responsible for obesity, dental cavities, Type 2 diabetes and heart diseases. A 2007 British Journal of Nutrition study found that mothers who eat junk food during pregnancy increased the likelihood of unhealthy eating habits in their children.

Organic LEDs For Better Displays - Imagine a large-screen TV that can be rolled up when you're not watching it. And how about a display built into your clothing? These devices may soon be possible with the help of OLEDs!

OLEDs are solid state devices composed of thin films of organic molecules that create light with the application of electricity. They can be used to create brighter, crisper, self-luminous displays that do not require backlighting. The resulting displays are much thinner and consume less power than conventional light-emitting diodes (LEDs) or liquid crystal displays (LCDs) used today. OLED displays stack up several thin layers of organic materials. These emit light in a similar manner to LEDs, through a process called 'electro phosphorescence". They use substances that emit red, green, blue or white light. Without other source of illumination, OLED materials present bright, clear video and images that are easy to see at almost any angle. The colour of the light depends on the type of the organic molecule in the emissive layer.

An OLED is a solid-state semiconductor device that is 100 to 500 nanometres thick about 200 times thinner than a human hair. An OLED consists of 1. Substrate 2. Anode (transparent) 3. Organic layers 4. Conducting layer 5. Emissive layer and 6. Cathode.

Advantages over LCDs and LEDs : OLEDs are thinner, lighter and more flexible and foldable than LEDs. OLEDs do not require backlighting. OLEDs have a large field of view about 180 degrees. But manufacturing process is expensive right now. Water can easily damage the OLEDs. Currently, OLEDs are used in small screen devices such as cellphones, personal digital assistants and digital cameras.

Hologram Technology - Counterfeiters cause the manufacturers as well as consumers suffer major losses. Making use of **Holograms** can help the brands get rid of such fake practices. **Holograms** provide security, authentication and protection against counterfeit.

Holograms are used by software manufacturers, passport producers, car manufacturers, creators of brand name products, credit card companies, CD producers, telephone card distributors, etc., Different hologram products are made for diverse range of surfaces like plastic, aluminum foil, wood, leather and paper being the most popular one. They bear a massive amount of information in several shapes, sizes and forms across an extensive range of products.

Holographic stickers and holographic labels are stuck on products to save them from being imitated. All the particulars present on the Hologram is created using coherent light resources like laser beams and electric beams.

Hybrid Engine - Hybrid Electric Vehicles (HEV) look like the only viable option as hybrid. Hybrid cars combine the technical advantages of the electric car with the economical advantages of conventional vehicles. The result is an affordable, low emission, fuel-efficient vehicle with performance standards.

Working : A Hybrid Electric Vehicle has an electric motor as well as an Internal Combustion Engine (ICE).

The electric motor is used only during the vehicle is starting from rest or moving slowly and combustion engine operates only at a steady pace.

Advantages : Hybrid vehicles recharge as you drive and you get double the kilometers per litres of petrol than cars on the road now and can be refueled at any gas station.

Hybrids can never be called true zero-emission vehicles because of the gasoline engine working in conjuncture with the electric engine, but it will surely cut emissions of global-warming pollutants.

ZigBee technology is a low-cost, low-power, wireless mesh networking standard. The low cost allows the technology to be widely deployed in wireless control and monitoring applications. The low power-usage allows longer life with smaller batteries. The mesh networking provides high reliability and more extensive range. ZigBee protocols are intended for use in embedded applications requiring low data rates and low power consumption. ZigBee's current focus is to define a general-purpose, inexpensive, self-organizing mesh network that can be used for industrial control, embedded sensing, medical data collection, smoke and intruder warning, building automation, home automation, etc., The resulting network will use very small amount of power. Individual devices must have a battery life of at least two years to pass ZigBee certification.

An electronic book (also e-book, digital book) is a text and image-based publication in digital form produced on, published by, and readable on computers or other digital devices. E-books are usually read on dedicated hardware devices known as e-Readers or e-book devices. Personal computers and some cell phones can also be used to read e-books. The electronic texts are generally cheaper. Moreover, a great share of books are available free of charge. For example, all fiction from before the year 1900 is in the public domain. E-books can be printed for less than the price of traditional new books using new on-demand book printers.

A Hearty Welcome

The following staff members have recently joined our Fold. We offer our greetings and wish them success in their career!

1. U. Mahesh Rajan   - Lecturer/Mechanical
2. P. Mahendran   - Lecturer/EEE
3. J. Ramesh Kumar   - Lecturer/EEE
4. R. Satheeshkumar - Lecturer/EEE
5. M. Rajamari   - Lecturer/Civil
6. S. Balamurugan   - Lab Assistant/Mechanical
7. B. Muthu Vel Raja - Lab Assistant/ECE
8. S. Nithya   - Programmer/Office

Getting Ready for jobs

Additional courses are organized to make our students job ready. The courses conducted are listed below:

1. Java Programming, from 28.10.10 to 03.11.10 for 73 C.Tech. & Info. Tech. students
2. Desk-top-publishing, from 30.11.2010 to 09.12.2010 - for 13 C.Tech. Students
3. Visual Basic Programming, from 30.11.2010 to 09.12.2010 for 60 C.Tech. Students
4. Workshop of design of Analog and Digital Circuits, from 06.12.2010 to 27.12.2010 for 72 ECE students
5. C++, from 1.12.2010 to 16.12.2010 for 41 MOP students
6. Internet & HTML, from 01.12.2010 to 10.12.2010 for 36 MOP students
7. Internet & HTML, from 21.12.10 to 30.12.10 for 17 MOP students
8. Office Automation, from 21.12.10 to 30.12.10 for 15 MOP students

Students from other colleges are also helped through our extra courses, as detailed below:

1. Domestic Electrical Appliances servicing was taught from 27.11.10 for 50 SFR College students.
2. Two wheeler mechanism was imparted from 10.12.10 to 31.01.11 for 17 Sri Kaliswari College students.
3. "Tally" software has been taught from 13.9.10 to 29.1.11 for +1 students of SNG School, Thiruthangal.

An Educational Gesture !

230 Education CDs related to all branches, are received from CIICP, SPCU, Chennai, which are being used as supplement material in classes during lecture hours. Let us hope that the students will get the maximum out of it.

Real Guidance !

Sri. V. Seenivasan, HOD/Maths guided the students on "Short-cuts in Mathematics" at Lakshmiammal Polytechnic College on 30.10.2010.

New landmarks in knowledge expansion

Shri. K. Panthalaselvan enthusing the P. Tech. students

The Diploma engineers have an easy access to knowledge expansion and prompt placement through various means. Guest Lectures prove to be one of the most effective methods of updating knowledge. The Printing Technology students of Arasan Ganesan Polytechnic College and Sivakasi Institute of Printing Technology got a golden opportunity to be the beneficiaries of the lecture by Thiru. K. Panthala Selvan, Print Consultant, Pressman Solutions, Chennai on 23.12.2010.

Mr. Mohan Kaikini, Chief Advisor, HR, Dhirubhai Mistry institute for print education Research & Training delivered a lecture on "Scope of Screen Printing" for our III year P.Tech. students and II year SIPT students at our campus on 24.12.2010.

Mr. Palanivel Murugan, Design Engineer, ANSALDO STS, Australia delivered a lecture on "Railway Signaling" on 03.01.2011 for our ECE students.

Another lecture was arranged on the topic "Job opportunities in IT field" on 24.12.2010 for the final year Computer Engineering and Information Technology students by Selvan P.KesavaRajan, our alumnus, employed as CCE in Spanco BPO Pvt. ltd., Coimbatore.

Mr. Sakthi Sudhursun, our alumnus, employed in Maruti Suzuki India Ltd, Gurgaon, delivered a lecture on "Career Development" for our EEE students.

Mr. S.Karunanidhi, our alumnus, employed in Voltas IOBG, UAE delivered a lecture on "Fire alarm system, Emergency lighting concept of relays for multi-storeyed building for our final year EEE students.

Dissemination of knowledge, our routine

Mrs. S.Palaniselvi, of ECE department and Mr.M.Pugazh of Printing department were deputed to attend the 40th ISTE Annual Convention at Mepco Schlenk Engg. College from 02nd Dec. 2010 to 04th Dec. 2010. They shared their valuable information gained at the convention with their colleagues on 30.12.2010. Is it not a very relevant way of greeting the New Year?

Mr. KK at SIPT

The first year HOD Mr. K.Kannapiran addressed the NSS volunteers of SIPT on 28.12.2010, laying emphasis on "Environmental awareness".

Health is Wealth

The Youth Red Cross club actively conducted Medical check-up on 28.12.10 to 19.01.11 for 1292 students. Nearly 20 students donated their blood on various occasions. 4 of our students served as volunteers in the Blood Donation camp conducted in the Centenary meeting of Nadar Mahajana Sangam held at our polytechnic on 18/12/10 and 19/12/10.

Keep it up, youth!

Laurels once again!

The Red Ribbon club organized an Orientation programme on "Celebrating Life" on 12/01/11 for 100 students. The Tamilnadu State AIDS Control Society (TANSACS) has selected our college Red Ribbon club as the Best Club among Red Ribbon clubs implementing polytechnics of Virudhunagar district for the year 2009-2010. Mr. Nagendran, staff advisor of RRC received the award from our District Collector, Sri. V.K. Shanmugam on 03/12/10 at Virudhunagar Collectorate.

Congrats Mr. A. Nagendran!

Industrial Visit

One of the most effective ways of learning is through seeing. So we arrange industrial visits for our students to acquaint them with the industrial atmosphere. The second year EEE students are to be taken to Ramco Cements, RR Nagar on 25.2.2011.

Our II year Printing Technology students (62 Nos.) visited Srinivas Fine Arts (P) Ltd., Sivakasi on 12.01.2011. They gained knowledge in all the Print Finishing operations carried out in their press.

Power supply confirmed

A 2 KVA UPS with batteries was added to EEE department for conducting CAED practicals for the third year EEE students. Besides this a 5 KVA UPS and a 10 KVA UPS were installed in our Computer Centre. A new EB service connection was also got for our East well pump.

A kind and noble gesture!

An elocution contest on *Is corruption free India, a dream?* was organized on 23rd Dec. 2010 to commemorate Ms. Carolyn Gale's contribution to the enrichment of AGPians' Communication skill, during her training, in our college in 2001. Twelve students participated and Selvan R.Manikandan III year Civil and B.Gowdham, III year ECE won the first and second places. It is remarkable to recall that Miss. Gale, a Mechanical engineer was very much involved and interested in developing our students' communication skill and their interest in Environment upkeep also.

Kudos to you Madam!

EDC always regular

Environmental cleanliness and its upkeep are always meticulously followed by the ED cell. Nearly 150 casurina saplings were planted. 10 henna, hibiscus saplings were layered for bordering the gardens next month.

Teachers always Learn!

It has been a good practice to depute teachers to different programs and conferences to learn and develop. The following is the list of our staff members who attended various programs at various centers.

1. Mrs. S.Palaniselvi of ECE department attended IETE meeting on "Space Time Block Coded OFDM for CR Environment" on 14.10.10 at Kamaraj College of Engineering and Technology.

2. Our staff members Mr. D. Moses Daniel Prabhakar and Mrs.S.Palaniselvi attended IETE Foundation Day celebrations at Mepco Schlenk Engineering College on 02.11.2010.

3. Mr. V.Marikkani of ECE department attended CIICP meeting on 01.12.2010 in Chennai.

Placement at peak!

The Training and Placement cell organizes and coordinates interviews for the final year students. Placement is, in fact, easier for AGPians because of the multi-skills orientation and personality development programmes. Afterall, our academic philosophy "Progress is our Business" has made this, easier.

Reputed industries like M/s. Renault Nissan Company, Chennai, M/s. HCL, Puducherry, M/s. Ashok Leyland, Chennai, M/s. Brakes India Ltd., Pollambakkam, M/s. Thirumurti Group, Bangalore, M/s. TNQ Books and Journals Ltd., Chennai and M/s. Delphi TVS, Puducherry have selected 93 of our students. Results are awaited from few more industries like M/s. TVS Motors, Hosur, M/s. Lucas TVS, Puducherry, M/s. ITC, Chennai and M/s. IVRCL Infrastructure, Hyderabad. It is really remarkable to notice that the placement has been achieved in a short period from 11/12/2010 to 11/1/2011.

Kudos to the placement cell!

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Camps are always good

Our Principal Sri. D. Balasubramanian inaugurating the NSS camp

A 7 day special camp was conducted at Servaikaranpatti, Pavalakurichi and Melamattur villages from 7.1.2011 to 13.01.2011. The camp was inaugurated by our Principal Thiru. D. Balasubramanian. In his presidential address he stressed the importance of discipline and cleanliness, especially to the NSS volunteers. Free medical camp, free eye camp, free veterinary camp, training women on self employment, book binding etc., were the highlights of the programme. Various awareness programmes were organized for the uplift of the villagers. Only when the villages are lifted, can we ever ensure the harmonious development of our nation, in the true sense of the word. The correspondent's interest in the camp was proved by his regular visits, to motivate the volunteers.

IPAA Athletic Meet

The Olympic torch handed over to the IPAA champion

Inter Polytechnic Athletic Association, Madurai Division Athletic Meet was held in our college on 13th & 14th of January 2011. 318 students from 23 polytechnic colleges have participated in this meet. Our Principal and Vice President, IPAA Madurai Division Thiru. D.Balasubramanian presided over the function. Thiru. V.S.Ramasubramanian, District Sports officer, Virudhunagar District declared open the Meet. Latha Mathavan Polytechnic College, Madurai packed the overall championship both in sports and games.

Selvan A. Sham Jebakumar of III yr. P.Tech. won the I place in Triple Jump, II place in Long Jump and IV place in 110 m Hurdles. Selvan T. Arunjunai Selvam of I yr. won the I place in Long Jump and II place in Triple Jump. Selvan T. Sabari Sudharson of III yr. MOP won the III place in High Jump. Both Sham Jebakumar and Arunjunai Selvam have booked their berth for IPAA State Meet which is to be held at Latha Mathavan Polytechnic College, Madurai.

Our Vice Principal Thiru. M.Nandakumar presided over the valedictory function and prizes were distributed by the President, IPAA Madurai Division and Principal of Latha Madhavan Polytechnic College.

Congrats Sham & Selvam!

Prize distribution by the President, IPAA Madurai Division

Quotes

I wasted time, and now doth time waste me.

-Albert Einestin

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