

Missive from the Principal Brave new world !!



Fr. Jose Kannampuzha

This new academic year promises much. Vast opportunities, yet more scope for academics. All these for you, my dear students. Seize the iron while

it is hot, and you are made. This little niche of our own, Amal Jyothi, is the harbinger of good times to come, even in these difficult times.

This edition has chronicled the myriad events of the last semester. May it usher in your personal triumphs. Let the good times roll.

Inauguration of ACTS and College Day Celebrations '09



The fifth Graduation Ceremony of Amal Jyothi made news on 13 June 09. Emblazoned with the sparkling freedom of graduation, the College accorded graduation honors to her fifth batch. Fr. Varghese Parinthricksal, Manager, presided and the Guest of Honour, Sri. George Paul, Director, Synthite Industries Ltd. Kochi, delivered the keynote address. Fr. Jose Kannampuzha, Principal, led the pledge of the graduates and the Chief Guest distributed the medals and scrolls. The coveted "Fr. Aji Athimoottil Award" for the – "GEM of AJCE" was presented to A.M. Shine - ECE S8.

The College Day was celebrated on 13 Mar 09 with Mr K.J Mathew, IAS, Chief Secretary, Govt. of Kerala, as the Chief Guest. Sri. V.K. Balakrishnan IAS, District Collector, Kottayam, delivered the keynote address. Amal Jyothi Consultancy and Technical Services (ACTS) was inaugurated in the same function by Mr.K.J.Mathew. Fr.Varghese Parinthricksal, Dr. S.Balasubramanian, Director, Fr. Jose Kannampuzha, Sri. Zacharias Mathew, Chief Technology Officer, Dr. James Jacob Dean, R & D, Dr. Sebastian Narively and Sri. Babychen Aerthayil President, PTA, spoke on the occasion.



NEW FACULTY



Ms. Dhanya Krishnan
Lecturer, CE



Ms. Deepthi Mary Dilip
Lecturer, CE



Mr. Y. David
Lecturer, CE



Ms. V.G. Gayathri
Lecturer, CE



Mr. Keerthy S. Simon
Lecturer, CE



Ms. Neenu Rose Antony
Lecturer, EEE



Mr. K.R. Manil
Lecturer, ME



Mr. Ebey S. Raj
Lecturer, IT



Ms. Rajitha Rajan
Lab Instructor, EEE



Mr. M. Aneesh
Lab Instructor, IT



Mr. A.V. Manoj
Lab Asst., ECE



Mr. V.T. Thomas
Lab Asst., CE



Mr. Anishmon Jose
Lab Asst., CE



Mr. T.A. Abraham
Lab Asst, ME



Mr. Jerry Robert
Lab Asst, ME



Mr. Binu Sebastian
Office Asst.

TOPPERS



T.U. Jayalakshmi
S7 - CSE



Deepa Mathew
S7 - ECE - A



Nidhin Krishna
S7 - ECE - B



Anju Alias
S7 - EEE



Elsa Joseph
S7 - IT



Ajin Saju
S7 - ME



Anu Sebastian
S5 - CE



Anu Varghese
S5 - EEE



James G Vettikattu
S5 - ECE - A



Cyriac Lukose
S5 - ECE - A



Naveen George
S5 - ME



Snehal Sugunan
S5 - IT



Alwin Tom
S5 - CSE



Afsal A
S3 - ME



Aju P Sebastian
S3 - IT



Arjun Gopal
S3 - CSE



Bijo M.D
S3 - CE



Jilt Sebastian
S3 - ECE - A



Neethu Jacob
S3 - ECE - B



Neenu Ann Joseph
S3 - EEE

TRENDSETTERS

GEM of AJCE - 2009



A M Shine
S8 - ECE



John Jose Pattery
S7 - ME



Sajin Babu
S7 - EEE



Ashad U A
S7 - ECE

Won 1st Prize for
Solar Irrigation Project
In the national level project
contest organised by NASSCOM &
THE TELEGRAPH at Kolkata.
With this, AJCE secured this
prestigious distinction thrice in
a row - in 2007, 08 & 2009

DEPT. OF CIVIL ENGINEERING

Material Testing Lab –II

The newly established Material Testing Lab II was blessed by the Manager in the presence of the Principal.



Short term Course

on Total Station Survey was inaugurated on 23rd March. Twenty external students have joined the course.



Short term courses on Auto Cad 2D & 3D for S4 and S6



DEPT. OF COMPUTER SCIENCE & ENGINEERING

The Dept. has signed industrial collaboration with ARTIN DYNAMICS, Technopark, for proof testing.

F D P:- Ms. Shiney Thomas attended an International Conference on "VLSI and Communication ICVCOM-09" at Saint Gits College of Engg.

Prof. Manoj T. Joy participated in Insight 09 conducted at Infosys Technologies, Mysore – 16, 17 Feb.

Workshops and staff training

Ms. Annie Maria Issac attended a workshop on "Science Writing in Malayalam" at M.G university : 10-14 Feb

During the NACORE-09 13 papers related to CE were presented.

Consultancy

The Consultancy wing of the dept., was inaugurated by Mr. K.J. Mathew, Chief Secretary of Kerala.

Subsequent to the bus accident at Kannamala near Erumeli, a detailed survey report of the accident zone, carrying remedial measures was submitted to Sri. Mons Joseph, Minister for Public Works, by Fr. Varghese, Manager, Fr. Jose, Principal Prof.L.V.Prakasan, Dr. Sebastian Narively and Prof. Manoj T Joy.



On a request from PWD-Kanjirappally, the dept. held a reconnaissance survey to align the bypass road at Kanjirappally.

Achievements of students

Chacko V Thomas, S6 won the 1st place for civil drawing in 'Xplore-09', national level tech fest, at Musaliar College of Engg., Pathanamthitta.

Deepak J. Kathalankal, Sherin Jamal and Rinku Tom-S6 bagged the 1st Prize in "Gaming" in Xplore-09.

Jerry Jose, Jerin Joseph, C.H. Sameel & Sinu Thomas, S6, won the 11nd prize for "Quiz" in Xplore.

Ms. Lisha Varghese participated in AICTE-ISTE sponsored STTP on 'Emerging trends in IT & Wireless Network' at SNS College of Technology, Coimbatore, from 24-28 Feb 09.

Sr. Elsin Chakkalackal and Mr. Arun Rajanadhan attended an SDP on "Linux Networking and System Administration", at SJCT, Palai 9-13 Dec

Achievements-Staff

Mr. K.S Sunil, Lecturer, having a GATE score of 93.86%, is joining M.Tech at IIT Madras.

Industry Interaction

AJCE _X-CAGO Software Labs, with Prof. Manoj T. Joy, COO, is Amal Jyothi's collaborative venture with X-Cago Media Intelligence Solutions, the Netherlands, for developing Optical Character Recognition (OCR) software - Oct 08.

Prof. Manoj.T.Joy, HOD,CSE, had a 3-week trip to Amsterdam,Holland, to sign the MoU with X-Cago. On the way back he visited Rome and attended the canonization of St. Alphonsa.

ACE-ENDURE, the dept association,organized a national level tech-fest ASTHRA'09 on 20 & 21 March, inaugurated by Dr. Alexander Karackal, former PVC of Kannur University.



The dept magazine "RIVISTA", was released by Mr. Vikas Varghese, MD, Claveland Technologies.

Publications

Prof. Manoj T. Joy & Mr. Shaan Geo published the papers: A Novel Approach for Human Identification using Data Mining in NSBC-2009', at Periyar University, Salem, 07 Marh and 'A Quantitative Analysis of clinical data using Data Mining' in NACORE-'09 March 27 & 28.

Ms. Shiney Thomas presented a paper on 'Survey of various coding schemes for Data Compression in WSN software update management' in NACORE-09



Ms. Lisha Varghese presented the papers 'Analyzing peer to peer Traffic across large network' at Computing NCACS-2009 at Hindustan College of Engg & Tech., Coimbatore, in Marh and "Efficient overlay multicast for Mobile AdHoc network" in NACORE-'09

Consultancy / Extension

Prof. Manoj T. Joy, Mr. G.S.Santhoshkumar and Mr. Shaan Geo served as official Evaluators of various CAPART projects in Dec 08 and March 09

Seminars For Students

- A seminar for S6 on "Web technologies & PHP" led by Claveland Tech -- 30 Dec.
- Campus Initiative Programs led by RCS Education & SUN Microsystems.
- "Secure a successful career in the midst of economic slowdown" led by Mr. Sajith Thomas, , ASTRA Centre for HR --18 Feb.
- A talk for S4 on Linux by Focuz InfoTech, Kochi --Feb. 26.
- Talk by Vigith Maurice, Yahoo International, Bangalore, on "UNIX & Networking"--23 March.

Achievements-Students

- Joe Baby Joseph & T.H. Dipin S8, won 1st prize in paper presentation in Nakshatra'09, a national level technological meet, at Saint. Gits -- 6 & 7 March.
- Paul Emil Johnson & Arjun Gopal -S4 won 1st in Web Designing & Treasure Hunt, at Marian College, Kuttikanam --11 Jan.
- Kadambary Menon -S4, won 1st place in Apparel Design, at LBS -- 7th Marh.

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Papers presented in International / National Conferences:

Prof. Satish John published two papers 'Fibre Optics Load Cell for Weight Measurement' and 'Novel Fuel Gauge Employing Fibre Optics Sensitivity Techniques' in the Journal of Instrument Society of India, March - April 2009.

Mr. Muhammed Nadeer published a paper 'Design Fabrication of PIC Based Temperature Controller for Precision Heating of Material' in the International Journal of Computational Intelligence Research & Application, Vol -3, Jan - June 2009.

Prof. K.G Satheeshkumar, Mr. Liju V. Oommen, Mr. Geevarghese Titus, Mr. O.S..Sunish Kumar and Mr. Anish Francis presented papers in NACORE-09.

F D P :- Prof. K G Satheeshkumar attended training programme for HODs of engg colleges across India in INSIGHT-09, at Infosys, Mysore - 16th and 17th Feb 09.

Mr. Anu Abraham Mathew attended 'Technopreneur -09' org by YI-Net MEC & Microsoft at Kochi -- 31 Jan

Mr. C.S. Jaison & Mr. Binoshi Samuel attended STTP'DSP & Neural Networks at VJCET, --23-28 Mar.

Mr. Sabin Simon, Mr. C.S. Jaison and Mr. O.S. Sunish Kumar attended a workshop on "Recent Trends in Microwave Technology" at Rajagiri College of Engg -- 18-20 May.

R & D:- An application for patent for the funded project 'Intelligent Light Dimmer' has been submitted to the Govt. KSCSTE after an initial study, has forwarded it to TIFAC, New Delhi.

Awards & Media Coverage:

The project "Solar Irrigation" won the 1st prize in the national level contest organised by NASSCOM and the Telegraph, at Kolkata. It was telecast on DD1 -- 20 Feb

Student Development Programmes:

Seminars on 'Signals & Systems' and 'Advanced programming in MatLab' led by Ascent Technologies -- 13 & 14 Feb

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ASTEROPE '09

A National level Technical fest was conducted by EEE association ELECKTRONS on 24, 25 March. 250 participants competed in events C-Debugging, Best Manager, Marketing & N/W gaming. The event was coordinated by S6 and S4 guided by Mr. R. Sreeraj.

Project Evaluation

Messrs R Sreeraj, R.K Divyalal and T Sreekumar served as Evaluators of various CAPART projects at Wayanad and Tvm in June.

Faculty Development Programmes

Mr. Joffie Jacob and Mr. T. Sreekumar attended an STTP on 'Power Quality' at NIT Calicut -- 18-30 May.

Mr. R.K. Divyalal attended a workshop on LABVIEW at Kerala University -- 25-29 May.

Paper Presentations

Prof. V. I. Cherian presented a paper 'Economic Load Dispatch in Changing Scenario', Prof. A. Sivasubramanian on 'A Study on Reformation and Market Design of Power Sector in India' and Mr. R. Sreeraj presented a paper titled "Economic Aspects of the Production of C-13 Isotope by TEA CO₂ LASER" in NACORE 09.



Electrifying Achievements

The project 'Exercising cum inverter charging system' by Balu S. Pillai, K.M Faizal, Jidhun Abraham Yohannan, Smithin Sundar and K. Sreenath was accepted for TechTop' 09.

Derek John Mullassery & Albin Francis S6, won 1st prize in paper presentation in DHYUTHI, at Saint Gits.

Derek John Mullassery S6 bagged 1st prize in 'De Mega Insignia' at SN Instt. of Management, Ekm.

Arun Antony S4, won 1st place in Photography contests at Mar Baselius, Peerumedu, RIT Pampady and College of Applied Science Puthupally

Neetu Joy S4, won 1st place in Relay, and Joel Mathew S4 & team, won 1st place in Tug of War, in the Annual Sports.

Department Association – Elecktrons

Mr. P.V. Jayadeep, Mr. Viju Antony and Ms. Priya of CAD Center led classes on *Primavera* -- 17 Feb.

DEPARTMENT OF INFORMATION TECHNOLOGY

The department is awaiting NBA Accreditation.

ADROIT '09

IT association ITANIA conducted a national level Tech fest ADROIT'09, comprising events C-Debugging, Best Manager, Marketing & N/W gaming, on 6 March.

1. Faculty Development Programmes

State Level Workshop on 'Emerging Trends and Innovation in IT Curriculum', coordinated by Prof. Shiju George 03- 06 Dec.08



A workshop on 'VB.NET' for S6 -- 11-13 Dec,08.

Talk on 'Matrix Arrays Symmetric Key Encryption' by A .J Paul, Mangalam Engg College - 23, Jan 09



AICTE-sponsored SDP on 'Best Practices in Software Project Management' –11-20 May.

Prof Sandhya Ramakrishnan chaired two sessions in the National Conference SPIN-09 at Viswajyothi -- 16 Jan.

Mr S.Ratheesh, attended FDP 'Entrepreneurship' at PSG Tech, Coimbatore -- 17 - 29 Nov.

Mr Melbin Varghese & Joms Antony attended a workshop 'Webware'09' at Vidhya, Thrissur 4-6 Feb.



Achievements - Students

X-CURE SOLUTIONS :- Congrats to Rony Roy, Ullas Thomas -S7 & Pinto Joseph Abraham for starting the company 'X-CURE Solutions' under the EDC cell..

Inter-collegiate events: First Prizes:-

Rojin Skariah and R.Sharon -S8 - Network gaming at "Ignite 09" at Marian Kuttikkanam -- 4 Feb.

- Rahul Nath & Feby P Thankachan , S8 - Network Gaming at 'Tech Envision 08'- CUSAT ,-- 6 Feb.
- Swithin Mathews ,S8 - C-Debugging at "Codex Ver1.0" at Mar Baselios ,Peermade - 13 Feb .
- John Jacob, S8 - Super Sudoku at 'Jashnekhaz 09' at Musaliar Engg College - 6 July 09.
- Jyothi Abraham, S8 won Individual Championship Ladies in the AJCE Annual Sports 09.
- Midhila Joseph, S4 won the Kalathilakam award in the Arts Fest, "VAUDEVILLE'09".

Accomplishments :-

Prof. Sandhya Ramakrishnan presented a paper 'Agent Based Electronic Commerce System using Java Aglets' in NCETCS'09 at Avinasilingam University, Coimbatore-- 3 March

Prof Shiju George & Mr Melbin Varghese John presented papers on 'Efficient Information Embedding Scheme' and 'Reversible Watermarking by Difference Expansion' in NACORE'09

Society Interaction Cell Activities

Workshop on 'Basics of Computing', for students of SD College, Kanjirapally--23 Jan



Vacation classes for X ,X1 and X11 students on 'Introduction to programming languages C and C++' coordinated by Prof. Thomas Varghese- 17Apr- to 6 May.

Consultancy

Mr. T J Jobin, Lecturer, evaluated a CAPART Project Tvm - 17 Jan.

DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Development Programme

Organized an AICTE-sponsored FDP 'SPOTLIGHT ON RISK MANAGEMENT OF CHEMICAL PLANTS/OIL REFINERIES' co-ordinated by Prof. K.P. Sundareswaran and Prof. Sherin Sam Jose. Sessions were led by industry experts from HOCL, CUSAT and TCC -27 April to 9 May. The program was inaug. by Mr.R.Surendranath, Dy.Chief Controller of Explosives, Govt. of India.



Attended

Mr.Ivin Jose attended workshop 'Energy Management' at SJ CET Pala -- 19 -23 Jan .

Mr. Mathew Joseph and Mr. Jibin .C .Jacob attended FDP on 'Optimum Energy Utilisation in Thermal Systems' at NIT Calicut -- 17 - 30 May.

Mr. K.R.Arjun attended workshop " Technical Writing in Malayalam" M.G Uty - 9-14 April.

Mr. Rakesh Reghunath attended a seminar 'Human Rights-Students' Perspective'org by Human Rights Commission Centre, Kottayam --28 Feb

Students Achievements

John Jose Pattery ,S6, obtained 1st prize for 'Solar Irrigation Project' in the national level techno fest at ,Kolkata . Congrats !!

John Paul ,Vipin Antonyand Elias John ,S8 ,won 1st prize in Computer Gaming in Xplore 09.

Joseph Paul,Joseph Peter and Ajith George of S6 won 1st place in photography in Aday 09 at ToCh Engg College, Ekm.

Nithin Wilson,Nirmal Tom Babu,Jetson M Thomas and Joseph Kurian of S4 ,won 1st place in Team Management in 'Asthra 09'

Consultancy

1. Prof .Sherin Sam Jose and Mr. J.P. Ajithkumar evaluated a few CAPART projects.

Royal Mech. Association (RMA) : A Personality Development class led by Dr.C.B Saji,MA College of Engg, Kothamangalam ---12 March



Dr. M. Viswanathan, Sr. Dy. Director, FCRI, Palakkad Enlightening ME S-8 students

DEPTS OF BASIC SCIENCES and HUMANITIES

Training Programmes

DBS and Humanities organized a series of classes on 'Etiquette and Good Manners' for all classes led by Rev.Dr. Augustine Palackaparampil, Manager, SJ CET, Pala.

Isaac Newton lecture series

The second lecture in the series was delivered by Dr. Suresh V. Vettoor of S.D. College, Kply, on 'Recent Developments in Superconductivity'and the third talk by Dr. K. K John, HOD of Economics, St.Thomas College, Pala, on 'The Impact of Global Recession on Indian Economy'.

National Science Day Celebrations

DBS celebrated Science Day on 27 Feb, spons. by State Council for Science &Technology. Prof.S.Sivadas, was the Chief Guest.An inter-school Science Quiz competition was conducted on the same day



In the Debate and Quiz competitions , Reshmi Rose Joseph & Sheeba Merin Baby , S4 bagged the 1st prize and Bensan John & Felix John S6, the second prize. Richu Geevarghese Samuel & Justin Joseph of S1/S2 were awarded for suggesting the best innovative idea.

Publication of articles

Dr. V. J. Sebastian Narively, HOD, Humanities, authored an informative article 'Pack Your Punch' in the Manorama Year Book-2009 - Page 821.

World Maths Day

World Maths Day was celebrated on 5 Mar with Dr.K.K Jose,Principal ,St Thomas College ,Pala ,as the Guest of Honour.In the Quiz competition led by Rev.Dr.Mathew Chacko, Mathew Manuel & Bensan Thomas George S6 ECE-A won the 1st place and R Anoop Raj & Abin Francis shared the 2nd place.

Presentation of Research proposals/ articles

Dr. Soney C. George presented a paper 'Mechanical properties of natural rubber/clay nanocomposites' in 'Nano 09' at S. N. College, Chengannur --17-18 Mar.

Dr. Soney C. George delivered a talk on 'Synthesis and properties of NR-clay and ENR-clay nanocomposites' in the 1st International Conference on Nano Composites, ICNM-2009 org by the Institute of Macromolecular Science and Engg, Kottayam -- 6 to 8 Apr

Dr. Soney C. George reviewed research papers

1. 'Investigation on Synergic Activity of N-Benzylimine..... Natural Rubber' Journal of Applied Polymer Science (John Wiley & Sons), Jan 09.
2. 'Gas Transport in Blends.....Other Resins' --Polymer Engineering Science Society for Plastics and Engineers - June 09.

CENTRE FOR RESEARCH AND EXTENSION IN SUSTAINABLE TECHNOLOGY (CREST)

CREST, the new dept , bringing all R & D, consultancy, training and extension activities of the College under one umbrella, came into existence on 21 Nov 2008. The centre, functioning under the Dean, Research; has three arms: IEDC, ACTS and ABCD.

- IEDC :-NSTEDB under DST has sanctioned Rs 47 lakh for IEDC, July 2009. Proposal submitted by Prof. Sherin Sam Jose, ME, and his team.
- Rs.1 lakh sanctioned by MSME Instt, Thrissur, for promoting entrepreneurship among students
- I²U-2009 contest has selected six projects for college funding
- 'Intelligent Light Dimmer' project received the final instalment of funds (total– Rs. 2.16 lakh) from KSCSTE and is expecting patent. A testimonial to Prof. Satish John, ECE and team !!
- Project by John Jose Pattery-S7 ME & team – “Robot for borewell rescue” shortlisted for Tech Top engineering project contest.

Inaugurated on 14 March 2009
by Chief Secretary,
Mr. K.J. Mathew IAS



- RRIL funding of Rs. 6.7 lakh sanctioned towards development of automated rubber tapping knife. Prototype demonstrated at RRIL

Amal Jyothi Consultancy and Technical Services (ACTS)

- Rs. 6.7 lakh sanctioned to the College by the Rubber Research Instt of India,Kottayam towards development of automated rubber tapping knife.



- Prototype demonstrated at RRIL
- Total Station Survey training successfully completed two batches. Several consultancy projects undertaken, generating a revenue of above Rs. 1 lakh
- AJCE is the only Engg. College in Kerala approved as

Institutional Monitor for CAPART projects. Nineteen CAPART projects were evaluated by our faculty last year. 20 % of the remuneration accrues to the College

- Secured first prize in National level project contests, jointly sponsored by NASSCOM and the Telegraph, at Kolkata in 2007 ,08 and 09.
- Presentation made at Coconut Dev Board of India , Kochi, developing a Coconut Plucking Robot, 24 June 09. Funding support of Rs. 35 lakh expected.



College Magazine "Page 33" , the College Magazine was released by Mr.V.K.Balakrishnan,District Collector



An orientation program for the faculty in Student Counseling was held on 22 April



Rev Dr. Abraham Kuruvilla, Principal, Mar Thoma Seminary, Kottayam, was the resource person. This will have bearing on the counseling pattern(1 faculty for 20 students) being actively pursued from this year onwards

Faculty Awards

The following were selected as top performing faculty ,based on students appraisal of the previous two semesters. They were awarded a scroll of honour and a cash award of Rs. 1000/- each.



Mr.Boby P Mathew
DBS



Ms.Jiss Abraham
CE



Mr.K.S. Sunil
CSE



Mr.Akas G Kamal
ECE



Mr.Edstan Fernandez
EEE



Mr.Shiju George
IT



Mr.Satheesh Chandran
ME

In Memoriam



Joseph Kurian



Lukes Joy



Sunil K Mathew

In thought a constant memory....
In heart a silent tear



Sports day - 30 Jan 2009.



Heave ho!



Blazing ball game



ARENA '09, the third All Kerala Inter-Engg College Basketball Tournament was held from 25th to 27th Feb. In an action-packed finals, Mar Baselius College of Engg., Trivandrum, bagged top honours, edging out AJCE



Published by
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