NANOSCIENCE RESEARCH CENTRE AT AMAL JYOTHI

A new Research Centre in Nanoscience and Technology has been launched at Amal Jyothi. **Prof. P. J. Kurian, Deputy Chairman, Rajya Sabha,** inaugurated the Centre at a function presided over by Bishop Mar Mathew Arackal, Patron of the College. Sri Anto Antony, M.P, delivered the keynote address and released the logo of the Centre. Rev.Fr.Varghese Parinthirickal, Manager, Rev.Dr.Jose Kannampuzha, Principal, Dr.James Jacob Dean, Research, and Dr. Soney C George, Director, NanoScience Research Centre, spoke. The state-of- the –art Mount View Guest House, newly built on the campus, was also inaugurated by Sri.P.J.Kurian.

AICERA -2012

A mal Jyothi organized AICERA- 2012, a three-day international conference on 'Engineering Education: Innovative Practices and Future Trends' from 19 to 21 July on four major track themes viz: Engineering Education: Current Trends & Global Perspectives, Internetworking in Education, Diversity and Challenges in Engineering Education, and Research and Development Links. It was sponsored by the IEEE Educational Society and IEEE Kerala Section and partially supported by DRDO New Delhi.

AICERA- 2012 was inaugurated by **Dr.Rob Reilly**, President, IEEE Education Society, USA, and was presided over by **Dr.K.P.Isaac, Member Secretary, AICTE.** Mr Sreenivasan, Vice Chairman, IEEE, Kerala , Rev. Dr. Jose Kannampuzha, Principal and General Chair, Dr. James Jacob and Dr. Soney C George, Organizing Secretary, also spoke.

250 delegates including those from the USA, Finland, Austria, Brazil, Nepal and , Oman attended the Conference that comprised 13 keynote addresses, 48 contributory presentations and 30 poster sessions . Among 208 papers received from all over the world, 60 were selected for oral presentation and 40 for poster presentations. There were panel discussions on the Current Status of Engineering Education: Issues and Solutions and Scope of International Co-operation in Engineering Education. 77 papers were published in IEEE Explore. For details of the published papers see in the following link.

http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6297630

Mr. Subrato Biswas IAS - Member Secretary,
State Planning Board, addresses the Academic Council

MOU between ABS Instruments and AJCE

The MoU is for design, development, manufacture and marketing of the following machines and their accessories:- 1.Creep Testing Machine(CTM), 2.Furnace and controller 3.Potential drop system for crack growth measurement 4.Any other testing equipment that has market potential in future. For development of the prototype, AJCE will prepare the cost estimate for the machines and accessories and ABSI will provide a grant of 50% of the estimated value in stages for the prototype.

National Launch of AAKASH-NME-ICT(MHRD)
AAKASH tablet for every Indian

Dept. of Computer Science & Engineering and MCA conducted an ISTE workshop on "Aakash for Education" on 10 & 11 November, as the first major activity under Aakash project. The recently developed Aakash tablet is an ultra low-cost tablet computer, called the "frugal innovation" developed by MHRD Ministry and Data Wind, who have stepped up the manufacturing of a faster and better tablet .Prof. Manoj T Joy, HoD was the Coordinator. 70 participants attended the workshop which empowered them to incorporate technology in the teaching methodology.

Semester Opening & Felicitations to   BRILLIANT STUDY CENTRE, PALA

Semester Opening and Felicitations to **BRILLIANT STUDY CENTRE, PALA,** for their spectacular achievements in Medical and Engineering Entrance coaching in India. Rev.Dr.Jose Kannampuzha presided. Mr.Stephen Joseph, Mr.B.Santhoshkumar, Directors of the BRILLIANT, Mr.Jacob Job IPS, PTA President, Dr.Sebastian Narively, HoD,Humanities, Dr.K.G.Samuel,HoD, Metellurgy spoke.

Hearty Welcome...

Dr. George Varkey has assumed charge as Professor of Computer Science. Prior to this he was the Executive Director of C-DAC (Centre for Development of Advanced Computing), Noida.

Dr. Varkey took postgraduation in Statistics with first rank and distinction from Kerala University in 1974. He worked in Tata Institute of Fundamental Research, Bombay, for five years before joining Kerala State Electronics Development Corporation in 1980. The R&D wing of KELTRON was later christened C-DAC.

Dr. George Varkey took PhD in Computer Science from Kerala University, while working in C-DAC. He was actively involved in R&D projects as well as academics throughout his career. He taught subjects like Operating System and Digital Signal Processing for postgraduate courses and guided close to 100 BTech, MCA and MTech projects. During his tenure as ED, he acted as the Principal of the academic segment of CDAC, Noida, affiliated to IP University.

Dr. George Varkey

Entrepreneurship Awareness Camp (EAC)

Dr. C. Thomas Abraham, Former Director Adult Education, Mahatma Gandhi Univty. inaugurated the Entrepreneurship Awareness Camp

Department of Science and Technology, Govt. of India through NIMAT project has sanctioned ten Entrepreneurship Awareness Camps. The three day camp conducted at AJCE aimed at creating awareness among students about various entrepreneurship while highlighting the merits of pursuing such a career. Four camps were conducted in parallel from 9 to- 11th Nov. for about 300 students. This programme mainly concentrated on first year students to inspire innovativeness and entrepreneurial mind set. The programme was inaugurated by Dr. C. Thomas Abraham, Formerly, Director, Adult Education, Mahatma Gandhi University. Principal, Rev.Dr.Jose Kannampuzha presided. Dr. James Jacob, presented the "Innovation Idea Unleashed I²U 2013 a project contest led by Amal Jyothi Scholars' Community for Inspiring Innovation (ASCII) of AJCE for innovative project ideas. Prof Shiju George was the Director of this programme.

PG Programmes (2012-14) inaugurated by
Prof. Satheesh Kochuparambil, Member Syndicate, MG University.

6th Annual Book Fair

The Central Library of AJCE organized the 6th Annual Book Fair-2012 from 19 to 21 July; inaugurated by our Manager **Rev. Fr. Varghese Parinthirickal.** Famous publishers ie: DC Books,TBH Publishers, Ekm, Ajith Book stall, Ekm and AA Book Centre Palghat participated.

Orientation Programme for Parents

Parents Orientation programme led by
Dr.K.K.John, HoD, PG & Research Dept. of Economics, St.Thomas College, Pala

A-VIEW Training with Certification...

Dept. of Computer Science & MCA organised a one day national level Workshop on 'A-VIEW Training with Certification " on December 14, in association with Amrita E-Learning Lab. Nearly 100 participants from different parts of the country attended it. A-VIEW, developed by Amrita University is part of ' Talk to a Teacher 'program led by IIT, Bombay and funded by NME-ICT, MHRD. A-VIEW Classroom is a framework that provides a rich interactive social environment for e-Learning and user-friendly video conferencing which provides a great opportunity to teach in a live interactive mode to various geographical locations across India. CSE department is regularly conducting the A-VIEW outreach programmes in association with Amritha university.

SEEC -2012

AJCE was one of the organizers of the international conference SEEC -2012 (Semantic E-business and Enterprise Computing). It aimed at bringing together researchers, engineers and practitioners interested in information systems methods, applications in the technological advances and e-business applications of web-based information systems. The conference was held at the Cyber City of Mauritius in Dec. were Kingston University and the Middlesex University of London.

Proposals Submitted:
A proposal has been submitted to ISTE for Short-term Courses for the Faculty of Technical Institutions on the topic 'Enhanced Technology and Effective Utilization of 'Scarce Radio Frequency Spectrum'.

Again............. At NATIONAL LEVEL

ECG, Blood Pressure and Temperature on the wrist watch!!

It is the fourth time that Amal Jyothi bags the First Place at the Innovation Hub 'Infocom 2012.' The national level engineering project contest at Kolkata selected **E-diagnoser** for the top spot. E-diagnoser is an electronic wrist watch which can measure ECG, Blood Pressure and other health parameters.

Team Members:- Nithya Merin, Chithira J Vadakkan, Libin Varghese (Team Leader), Pillai Saresh, P. Anoop, S. Adarsh and Shibin Joseph.

Students Orientation Programme

- S3 ECE:Densil K Shaji and Praveen Mathew secured 1st in Robotwar held at St.Gits College of Engineering
- Prathibha S Nair won Grade A for Malayalam Recitation at MGU fest.
- S5 ECE:Rahul Mohan, Robin Tom, Thomas N.Rarichen, Manu Paul, Somin Somoan Mathew, Toms George, and Praveen Moncy John secured first in Robot-Soccer held at M.A. College, Kothamangalam
- Jithin J secured 2nd place in Chess, MGU, South Zone Competition.
- S7 ECE: Merin George Vathalloor and Tinu Elizabeth Shaji bagged 1st Prize in Theme Show held at TocH and St Gits
- The ECE dept. has launched its website to serve as a medium of interaction between the faculty and students.www.eceajce.in

Students' Council 2012-'13

Sitting:- Sebin Tom, ME, Sports Secretary, Sagar S Menon, ECE, General Secretary, A.J. Sebin, ME, Chairman, Mr. Robins Anto, AP, EEE - Advisor, Students' Council, Rev. Dr. Jose Kannampuzha, Principal, Dr. Sebastian Narively, HoD, Humanities, Vineetha Anna Jacob, ECE, Vice Chairperson, Elvi Maria Emmanuel, CE, Arts Club Secretary
Standing:- Geo Antony, EEE, 3rd year Rep., Anish Mani, CSE, 4th year Rep., Sijo Josan, CSE, Magazine Secretary, Anumol Abraham, ECE, Placement Rep., Marina Leyan Varghese, CE, Uty Union Councillor

'ELEKTRONS' - Association of Electrical Engineers Inaugurated by R. Gayathri Nair, Chief Engineer, Commercial and Tariff, K.S.E.B.

Freshers Day

Campus Recruitment

Welcome Delegates from Satven for Campus Recruitment

Satven
Satyam-Venture Engineering Services Pvt Ltd

SHAPE **IDEA**

DECEMBER 07, 2012

TATA CONSULTANCY SERVICES, IBS, INDIAN NAVY, and SATVEN visited the Campus and recruited a good number of final year students.

Faculty Development programme led by Mr.Cherian Varghese.

Prof. Manoj T.Joy, HOD, CSE attended the Google Mapmaker Asia Pacific Conference in Hyderabad . Only 75 participants from all over Asia were invited. The selection was based on an article prepared by Prof. Manoj T.Joy on how to use Google maps effectively.

Awards to the Best Faculty and Staff

Dr. Soney C. George
Professor, DBS

Fr. Rubin Thottupuram
Asst. Prof., CSE & MCA

Ms. Shiney Thomas
Asst. Prof., CSE & MCA

Mr. Robins Anto
Asst. Prof., EEE

Mr. Akas G. Kamal
Asst. Prof., ECE

Mr. Ajai Mathew
Asst. Prof., ECE

Mr. H. Sreeram
Asst. Prof., AUE

Mr. K. V. Raveendrakumar
Lab Instructor., IT

Ms. Sheena P. Abraham
Lab Instructor., CE

Ms. Rajitha Rajan
Lab Instructor., EEE

A paper "GSM - BASED PC CONTROLLER" was presented in UGC - sponsored - national seminar on Mobile Computing organized by the Dept. of Computer Application, Marian College, Kuttikkanam, in association with M.G. University on 19 &20 of September. It was authored by Prof. Shiney Thomas, Meenumol Babu, Maria Jacob & Lakshmy Mohan.

Prof. Manoj T Joy, attended an Akaash Coordinators workshop at IIT-Bombay on 4 & 5 of November.

The paper titled "Semantic Web-based Adaptive E-learning Triggered through Short Message Services" was published in the Proceedings of ICCSE- 2012 (Full Text Available) in IEEE Xplore Digital Library --- Digital Object Identifier: 10.1109/ICCSE.2012.6295434 Publication Year: 2012, Page(s): 1860 - 1863. Authors are Mr. Joms Antony, Fr. Rubin Thottupuram, and Ms.Shiney Thomas.

Ms. Bindu S Moni (AP,CSE) presented a paper titled "Handwritten Character Recognition System Using a Simple Feature", in the International Conference on Advances in Computing, Communications and Informatics, ICACCI 2012 at RMK Engg College, Chennai on Aug 3 to 5.

Ms. Lisha Varghese (A.P, CSE) led a one-day seminar for the students of St. Gregorios College of Nursing, Parumala. The seminar dealt with the importance of computers in the research field of nursing and the basics of MS office.

Prof. Mr. Manoj T Joy, Fr. Rubin Thottupuram, Mr.Syam Gopi, Prof. Shiney Thomas, Ms. Elizabeth Thomas (AP,CSE) participated in the AICERA 2012: an International Conference on Engineering Education: Innovative Practices and Future Trends 19 to 21July.

Mr.Jinson Davis and Ms. Lisha Varghese participated in an ISTE workshop conducted at the College of Engg, Kidangoor from 26 Nov to 1Dec. Focused on J2EE- MVC framework. The workshop was oganised by CSE and IT Depts sponsored by TE-QIP.

Mr. Juby Mathew took classes on "E-Commerce" for Company Secretary students at St. Alphonsa College, Kanjirapally on Aug18.

A paper "An Architecture-Based Methodology for Parallel Independent Computation in Enterprise Edition", was accepted for the International Conference on Semantic E-business and Enterprise Computing (SEEC). The conference was held at the Cyber City of Mauritius from 13 to 15 Dec. Rev. Dr. Biju John, Professor & Dir CIS, Ms. Sumy Joseph (AP,CSE), Josekutty Abraham (PG scholar) are the authors.

A paper 'Hybrid Method of Image Compression' authored by Ms.Praseeda B Nair has been accepted in International Journal of Communication and Computing

A paper 'Content Based Image Retrieval Based on Database Revision' authored by Mr. Shinto Sebastian was accepted in International Conference on Machine Vision and Image Processing (MVIP12) held at PSG College of Technology, Coimbatore on 14 and 15 Dec.

Prof. Binoshi Samuvel attended the 2nd International Conference on Advances in Computing and Communications at Rajagiri SET.9 -11 August.

Ms. P. Careena attended a STTP on Continuing Education Congress at SJCET, Pala. from 8-12 Oct.

Ms. Therese Yamuna Mahesh, Geevarghese Titus, Jose J Edathala, Indu Reena Varghese and Reeju Elisa Baby attended a ISTE workshop on AAKASH for Education at AJCE.on 10 and 11 of November.

Ms. Therese Yamuna Mahesh has registered for Ph.D in Bharathiyar University.

Staff Training Programme

Staff Training programme led by Prof.Mathew T Matheikal,HoD, Science and Humanities, SJCET and Former Vice-Principal, St.Thomas College ,Pala.

Ms.Shiney Thomas (AP,CSE)led a workshop on the typesetting tool Latex for PG Scholars in Civil Engineering on 11 &12 Dec

NPTEL provides E-learning through online Web and Video courses in Engineering, Science and Humanities streams. The mission of NPTEL is to enhance the quality of engineering education in the country by providing free online courseware. A workshop was conducted on 17Nov.

Contest for Innovative Projects

In order to foster a spirit of innovation and research among students, the R & D wing of Innovation and Entrepreneurship Development Centre (IEDC) of AJCE named "Amal Jyothi Scholars' Community for Inspiring Innovation (ASCII)" is conducting a contest for project ideas. It is similar to the ones held in the past six years and is open to all students, including M.Tech and MCA.

Students form small project teams (comprising 2 - 3 members and one faculty member as mentor) and submit their ideas in the form of a brief project proposal. Up to twelve of the best project proposals, selected by a panel of judges, will be provided financial assistance from the College for implementation, of Rs. 20,000/- each.

Further, the best five projects will be supported by IEDC for further development to the tune of Rs. 1 lakh each subject to approval from NSTEDB.

Students have to submit completed proposals in the prescribed format to Prof. Shiju George, ASCII-I²U Coordinator, Dept. of IT, or Mr. Sherin Sam Jose, IEDC-Coordinator, Dept. of AUE, before 5 February. The projects selected for awards will be announced in March. Six months time will be provided for the implementation of the projects. Students are encouraged to actively participate in the contest.

Online Submission of Application is alowed till 1st February. Duly forwarded proposals by HOD & Mentor should reach the Coordinators before 5 February.

Training Programme for Civil Service Exam and Management courses led by Sri.Abraham Kurian IPS (Rtd.) (Formerly, Director General of Police, Govt. of UP.)

Celebrations...

JEENU MATHAI
CROWN OF AJCE

NIVEA THOMAS
CE - S2

SANDRA MARIA CHERIAN
CE - S4

ROSHNI RAMACHANDRAN
CE - S6

JEENU MATHAI
CE - S8

LAKSHMI A. P.
CSE - S2

CHINNU T.P.
CSE - S4

HIMA ANNS ROY
CSE - S6

TINA MARIA THOMAS
CSE - S8

SANJANA MATHEWS
ECE - S2

GOLDA SIMON
ECE - S4

MARIA TERESE GRACIAN
ECE - S6

ASHA MATHAI
ECE - S8

LINDA WILFRED
EEE - S2

ELIZABATH MATHEW
EEE - S4

CHINTU ANNA CHACKO
EEE - S6

ADHARSHA MIRIAM ABRAHAM
EEE - S8

SAUMIYA VIJOY
IT - S2

JOSVIN THOMAS JOHN
IT - S4

BIPIN SAMUEL JOHN
IT - S6

MARIA CLARE JAMES
IT - S8

ALAN VICTOR ALFRED RAJU
ME - S2

SIJO GEORGE
ME - S4

JIMMY GEORGE
ME - S6

RICHU GHEEVARGHESE
SAMUEL   ME - S8

FEBIN RAPHEAL
AUE - S2

JUSTUS DANIEL P
AUE - S4

TISSON GEORGE MICHAEL
AUE - S6

Congratulations

Amal Jyothi wins 6 top prizes at Innovation Hub in 7 years!

Yes! Amal Jyothi has achieved the unique distinction of being the only college in India to win six top spots in 7 years at the prestigious Innovation Hub contest. This national level contest held annually in Kolkata during the INFOCOM trade fair is organized jointly by the National Council of Science Museums and 'The Telegraph' newspaper. Below is a list of the prizes won by Amal Jyothi during the past 7 years. The first prize involves a cash component of Rs. 20000/- and citation.

Year	Project title	Team leader	Prize won
Dec 2012	E-diagnoser	Libin Varghese	First
Jan 2011	Cocobot	Jijo Paul	Second
Jan 2010	Robot for borewell rescue	John Pattery	Second
Jan 2009	Solar Irrigation	Avinash Prabhakar	First
Jan 2008	Electronic wheelchair	Avinash Prabhakar	First
Jan 2007	Password security system	Avinash Prabhakar	First

Over and above these projects Amal Jyothi won the following prizes at the national Tech Top contest at Thiruvananthapuram. The first prize has a cash component of Rs. 1 lakh.

Year	Project title	Team leader	Prize won
July 2011	Pepper separator	M S Steeve	First
July 2011	Helioped	Arun Chand	Special Prize
July 2007	Intelligent light dimmer	Syril Joseph	Third

The above achievements underscore the spirit of innovation among our students and the faculty and the generous support provided by the College Management, as well as the Department of Science and Technology (DST), Govt. of India, through the Innovation and Entrepreneurship Development Centre (IEDC - funding of Rs. 44 lakh in 5 years).

Hats off to our energetic students and faculty who guided these and many other innovative projects!!. Twenty projects have already been completed in various departments in the past 4 years with grant of Rs. One lakh per project, through the IEDC. Kudos to the untiring efforts of the AJCE teams led by the dynamic IEDC Coordinator Prof. Sherin Sam and the vibrant Coordinator of the Amal Jyothi Scholars Community for Inspiring Innovation (ASCII), Prof. Shiju George!

Dr. James Jacob
Dean, Research and Development

Upcoming Events

AICERA 2013

ANNUAL INTERNATIONAL CONFERENCE ON EMERGING RESEARCH AREAS

JUNE 4 - 6, 2013

ICMiCR

INTERNATIONAL CONFERENCE ON MICROELECTRONICS, COMMUNICATION AND RENEWABLE ENERGY

Dept. of ECE is organizing an International Conference on Microelectronics, Communication and Renewable Energy (ICMiCR-13) from 4 to 6 June, 2013, as part of AICERA. IEEE Kerala section has consented to sponsor the event. The details can be learnt from http://ajce.in/aicera2013/.

The state-of-the-art Mount View Guest House, on Amal Jyothi campus

aaja
ASSOCIATION OF AMAL JYOTHI ALUMNI

Alumni Meet 2012

Mr.Jithu T Johny, President, AAJA

The meet held on Dec. 22nd, saw the participation of 101 members. Event consisted of presentation of mementos to the Decadian faculty, Awards to the Distinguished Alumni, launch of an endowment fund by the 2005-09 EEE batch in memory of their dear friend Balu S Pillai, awards to the website devpt. team, launch of Alumni Merchandise and election of office bearers for 2013-15. Visit **www.alumni.ajce.in**

Balu S Pillai, memorial award to Adharsha Mirian Abraham

Distinguished Alumnus Award:
Mr. Mohammed Hashim, 2005 – ECE
Distinguished Young Alumnus Award:
Mr. Libin Varghese, 2011 – EEE
Distinguished Contributor Awards:
Mr. Nitin Prabhakar, 2007-ECE
Mr. Avinash Prabhakar, 2008 ECE

The receipients of the Decadian Faculty Awards

Verdant Greenery