

Bi-yearly Newsletter

February 2015

Volume 17



Amal Jyothi College of Engineering

Kanjirapally, Kerala

AICERA 2014

AICERA 2014: The International Conference on Magnetics, Machines and Drives held from 24 to 26 July was inaugurated by Sri. Adoor Prakash, Hon'ble Minister of Revenue, Rev. Dr. Jose Kannampuzha, Principal, presided and Dr. R. Sreeram Kumar,

Vice-President of Projects, Kings Abdul Aziz Uty, Saudi Arabia, Prof. G. Sabarinath, Secretary, IEEE Kerala Section, Rev. Fr. Varghese Parinthirickal, Manager, Dr. James Jacob, Dean Research, Prof. P.C. Thomas HoD, EEE and Prof. S. Arun, Organising Chair, spoke.





Keynote addresses were delivered by Shri. Sujit Banerjee, Director, National Science & Technology Entrepreneurship Development Board (NSTEDB) and Dr. Udaya Kumar, Professor, IISc. Bangalore. The fourth in the series, the Conference was partnered with IEEE and KSCSTE.

Amal Jyothi ties up with Volvo-Eicher for job-oriented skill development programme

In a first-of-its kind venture for an engineering college in Kerala, Amal Jyothi has signed up with the globally-renowned Volvo-Eicher Commercial Vehicles Ltd (VECVL- a joint venture between the Swedish auto giant Volvo group and Eicher Motors) for a joboriented skill development centre. Accordingly, the Amal Jyothi-Eicher Center for Automobile Technology, sponsored by VECVL, will shortly be established on the Amal Jyothi campus.



This will be the first heavy-duty automobile training centre in Kerala run by an engineering college in association with a globally-reputed automobile manufacturer.

The Centre will familiarize trainees in the most scientific ways of repair, maintenance and overhauling of commercial vehicles. VECVL will train the trainers and conduct regular follow-up programmes for the faculty. It will also provide study materials and training equipment for the course. The course will blend theory and practical sessions, and VECVL will provide internship at their plant and dealerships.

'SAPTHATHI'70th Birthday of Our Patron H.E. Mar Mathew Arackal



'A paradigm of inspirational leadership and zestful dynamism'.

Steps-2-Research

The Depts of CSE and MCA, in association with ISTE Kerala and CSI-Cochin chapter, conducted a two- day e-seminar on "Steps-2-Research" using A-View software, which focused on creating awareness and guidelines to



researchers on various research perspectives on 19 & 20th Sept. Prof. Dr. D.B Pathak, Dr. Kannan Moudgalya, Dr. Sahana Murthy and Dr. Mukta Atrey from IIT Bombay, Dr. Achuth Sankar from Centre for Bio Informatics, Mr. G. Vijaya Raghavan, Member, Planning Board, Dr. Jose Kannampuzha, Principal, AJCE, Dr. Jacob Philip, Former Director STIC, CUSAT, Dr. K. Alexander, Principal, S.D. College Kanjirappally, Dr. Soney C. George, AJCE were the resource persons. Over 2700 participants attended the seminar at 45 nodal centers located across 14 states of the country. Prof. Manoj T. Joy HoD, CSE, Fr. Rubin Thottupuram, HOD CA, Syam Gopi, Co-ordinator, NMEICT Remote Center & e-Jyothi, Mathew J. Joseph, ISTE Chair, Sumy Joseph, CSI Coordinator, Tintu Alphonsa Thomas (AP, CSE), Gloriya Mathew (MCA), Nishad C.V., Manoj Joseph and Arun M.R. (CSE) formed the team.

Amal Jyothi bags top spots at Infocom, Kolkata-2014

AJCE has won the first and second prizes at the prestigious Young Innovators Award at the Infocom Innovation Hub technology event in Kolkata. It forms the eighth consecutive year that Amal Jyothi is winning top spots at the Infocom. The competition attracted teams from different parts of the country.

The first prize (₹ 30,000) was bagged by the team consisting of Abhilash Anandan,

Ajith Mathew Thoomkuzhy, Dennis John, Geet Rose Jose, Sreedev Krishnakumar and their guide Professor Binu Mathew for the innovation, 'Virtual-i'. It is a wearable device for people with motion-related disabilities enabling them to use a computer and control real world objects using their eyes only. Virtual - i. also won the Innovative Idea Award (₹ 25000) in YES Kerala 2014 held at Angamaly on Sept 12.





The second prize (₹ 20,000) was won by the team of Mahesh S., Siby Balu, Jes Thomas Mathew, Sureej Abraham Kulangara and their guide Professor Subin P. George for a unique lemonade maker. The device is operated without power; lemonade being made by a single pull of a lever.

NATIONAL MATHEMATICS DAY



On National Mathematics Day (Dec-22), the Dept. of Basic Sciences organized a seminar on 'Wonders of Numbers'. The resource person was Professor M.A. Pathan, Former Chairman and Retired Professor of Mathematics, Aligarh Muslim University and Professor, Centre for Mathematical Studies, Thrissur. The programme was presided by Rev. Dr. Jose Kannampuzha, Principal. Prof. Joy Cyriac, Head, Dept. of Basic Sciences, Dr. Abin Manoj and Dr. Dilip Kumar spoke on the occasion.

Inauguration of Department of Computer Applications



Department of Computer Applications inaugurated by Rev. Dr. Roy Abraham, Principal, Marian College, Kuttikkanam, on 11th Aug. Dr. Jose Kannampuzha, Sri. Abraham Kurian I.P.S., Director, AJICS, Prof. Manoj T. Joy HoD, CSE, Fr. Rubin Thottupuram, HOD, CA are also seen.

Career - Mentorship Training Programme



AJCE organized a Career – Mentorship Training Programme for High School & Higher Secondary School Teachers on 23 Aug. The themes of the training were Inspire, Build Trust, Manage Risks, and Give Corrective Feedback. The course focused on skills such as leadership, communication and problem-solving to ensure their preparedness in taking up roles as mentors and career gurus. Possible areas of higher studies, challenges in the present market economy, and opportunities for the young to excel through add-on courses, were discussed. Rev. Dr. Jose Kannampuzha, Mr. Abraham Kurien IPS, Dr. James Jacob and Dr. Jippu Jacob were the resource persons.

SOUTH @ AMAL JYOTHI campus



An Extension Counter and ATM of South Indian Bank were inaugurated on the campus on 1st Sep. by His Excellency Bishop Mar Mathew Arackal, Patron of the College. Dr. V.A. Joseph, Managing Director, Mr. Shelly Joseph, DGM and Sri. George Vithayathil, Chief Manager, Kanjirappilly branch, of the Bank, Rev. Fr. Martin Velliyamkulam, Finance Officer of the Diocese, Rev. Fr. Varghese Parinthirickal and Rev. Dr. Jose Kannampuzha attended the function.

'Fibre-Reinforced Concrete'

Civil Engineers' Association conducted a seminar on 'Fibre Reinforced Concrete' on 18 Sept. It was inaugurated by Mr. K.R.S. Narayan, General Manager, Recron Wing, Reliance Industries Ltd.



ACE

ACE - Association of CSE was inaugurated by Mr. Thomas Antony, AVP Incubation, Startup Village, on Aug. 27. Rev. Dr. Jose Kannampuzha presided over the function. Prof. Manoj T. Joy and Fr. Rubin Thottupuram spoke.



ELEKTRONS

Association of Electrical & Electronics Engineering - ELEKTRONS - in association with Kerala State Electricity Board Engineers' Association (KSEBEA), Kottayam unit, conducted a seminar on Efficient Harnessing of Renewable Energy Sources & issues



inaugurated by Rev. Dr. Jose Kannampuzha, Principal. Sri. C.P. George, Deputy Chief Engineer, Electrical Circle, Pala, Sri. C. Suresh Chandh Exec. Engineer, Generation Circle Moolamattom, Prof. V.I. Cherian, Dean Academic and Prof. K.J. Thomas spoke.

Association of Mechanical Engineering (AME) and Amal Jyothi Institute of Civil Services (AJICS) jointly organized an address by Mr. Harikrishna Pai, (Civil Service - 2013, All India Rank 218) for Civil Service aspirants on 27th Aug. 2014.



'Recent Trends in Nano Composites'



The Dept. of Mechanical Engineering in association with ISTE organised a seminar 'Recent Trends in Nano Composites', inaugurated by Dr. K. Padmanabhan, Asst. Director, Centre of Excellence in Nano Technology, VIT University. Rev. Dr. Jose Kannampuzha, Prof. K. Sreekumar, HoD, ME, Dr. Soney C. Goroge, Director-in-charge, Centre for Nano Science, Prof. Richu Thomas and Prof. Mathew J. Joseph spoke.

GOLDEN TECH BRIDGE PROGRAMME FOR WOMEN

The Dept of CSE in association with CSI-Cochin conducted a one day workshop - Golden Tech Bridge Programme for Women-inaugurated by Dr. J Prameela Devi, Member — Women's Commission. Fr. Jose Kannampuzha, Sr. Regina SABS, Professor of Marian College and Ms. Shiney Thomas spoke.



RENOVATED PLACEMENT CENTRE

The renovated Placement Centre and personal interview room were blessed by Rev. Fr. Varghese Printhirickal and inaugurated by Rev. Dr. Jose Kannampuzha. Mr. Arun George Philip, Group Manager-HR-IBS Software Services, formally launched the room on 3rd Dec. Prof. Tomy Joseph, Dean, Admin, Dr. Sebastian Narively, HoD, HUM, Mr. Thomas Paul, Placement Officer spoke.



Delegates from the TCS visited the campus on 23rd Oct and selected 40 final year students. Suntec on 30th Oct, IBS software services on 3rd Dec, Concierge Technologies on 28th Jan and Zafin on 29th Jan, selected a good number of students from Amal Jyothi campus. Mphasis and UST Global also recruited a number of Amalites.

Campus Recruitment



Heartfelt Condolences



We, the Amal Jyothi family, deeply mourn the sad and untimely demise of our dear Mr. P. G. George Advisor, Academic Strategies.

Our heartfelt condolences to the bereaved family.



'Concrete Mix Design'

Under the initiative of Indian Concrete Institute (ICI) Amal Jyothi chapter, the Dept. of Civil Engineering organized a one-day workshop on 'Concrete Mix Design' for the final year B.Tech and M.Tech students on 18th July. It was inaugurated by Er. M.A. Joseph, Ultra Tech Cements.

TALENT EVE



TALENT EVE a year-wise event showcasing the talents of Amalites was held on 22nd Aug.

IGNITION 2014



Association of Mechanical Engineering (AME) – Inauguration of IGNITION 2014 by Mr. P.S. Suresh Kumar - General Manager, District Industries Centre (DIC), Kottayam on 28th Aug.



In connection with World Aids Day on 1st December, students of Mechanical Engineering performed an awareness programme and a mime. Rev. Dr. Jose Kannampuzha inaugurated the programme. Prof. K. Sreekumar, HoD, Mechanical Engineering, presided over the function.

Integrated Water Resources Management

Association of Civil Engg. organized a seminar on Integrated Water Resources Management inaugurated by Dr. George Chackacherry, scientist, Centre of Water Resources Development and Management, on 27^{th} Aug.



Congratulations...



Nivea Thomas-(S7-CE) winner of IET India Scholarship Award 2014, Regional Round South. The scholarship comprises of a certificate, memento and a cash component of ₹ 40,000/-

My Promise to the Environment

A special 'GO GREEN' Tree Planting spree was launched on 24th Sep. This involved the planting of tree saplings in the courtyards of homes in Koovappally and Palampra villages with the co-operation of the householders.

AJCE NSS units celebrated the NSS Day and the Independence Day. Volunteers visited the Navajeevan Home for the Destitute to carry out social service.



National Service Scheme Seven-day camp

An NSS special camp was conducted at Meloram, Idukki district, from 9th to 15th Sept. It was inaugurated by Mr. M.T. Thomas, President, Idukki District Panchayat. Smt. Swarnalatha Appukuttan, Member, Azhutha Block Panchayat, Smt. Julia Biju, Grama member and Sri Benny Peruvanthanam spoke. 120 students attended. Prof. Rony Thomas Murickan and Prof. Linu Theresa Jose were the Programme Officers. The camp focused on road repair and development, government hospital maintenance, computer learning for Kudumbasree units and gave a face-lift to St. Maria Goretti U.P. School. The volunteers collected signatures of the residents of the village in



order to submit an appeal to the Chief Minister and Ministers to ameliorate the pitiful infrastructure of the village, the road leading to it and to the hospital therein.

Getting to Zero..





4



CSE and CA Associations together with ISTE Kerala chapter conducted a 4- day Latex workshop from 1 to 4 Dec. Mr. Deepu Benson and Ms. Shiney Thomas (Assistant Professors - CSE) were the resource persons.

PROTECT WOMEN, FIGHT AGAINST RAPE

'iRun' – The 2nd Kanjirappally Marathon. iRun was held to create awareness for a social cause. The theme of this year's i-RUN was 'PROTECT WOMEN, FIGHT AGAINST RAPE'. Open marathons were conducted separately for men and women this year. iRun flagged off by Dr. N. Jayaraj MLA, from Kanjirappally Cathedral. Prizes were distributed by Cine director Jude Anthany Joseph (of Ohm Shanti Oshana fame).

Ph.D. Awardee



Prof. Dilip Kumar, Asst. Prof. of Maths.

M.Tech. 1st Rank



Aju S. Nair, Asst. Prof., EEE

PAPER PRESENTATIONS/CONFERENCES/TRAINING/PROGRAMME ATTENDED

Name	Branch	Name of Paper/Course/FDP/STTP	Venue / date
Mr. Juby Mathew	MCA	A New Hybrid Scalable Parallel Clustering Approach for Large Data Using FCM and FA	International Conference on Advanced IT, Engg. and Management on 14-15 OctSt. Aloysius College Mangalore.
		Scalable Parallel Clustering Approach for Large Data using Genetic Possibilistic Fuzzy C-Means Algorithm	(ICCIC 2014-SCOPUS) 18-19 Dec.
		A Novel Hybrid Approach in Scalable Parallel Clustering	(ICHPCA 2014-SCOPUS)22-24Dec.
Prof. Manoj T. Joy	CSE	HEADSMEET	TCS at Tvm on 1 Nov.
Ms. Shiney Thomas	CSE	Fibonacci based permutation tree for 3d Steganography	International Journal of Research in Computer Applications & IT, Vol 2, Issue 6,Nov-Dec.ISSN: 2347-5099
		Data Hiding For High Image Quality Based On Local Complexity and Interpolation	IJAR in CS and MS, Vol 2, Issue 9, Sept. ISSN: 2327782
Mr.G.S. Santhoshkumar	CSE	A Novel approach for improving the performance in MANET using and Intelligence	IJERT,Vol.3, Issue 8, Aug. ISSN:2278-0181
		Ensuring Fairness in the distributed Peer to peer file sharing System	IJSAE, Vol.2, Issue 9, Sept.ISSN:2321-7545.
Ms. Neethu C. Sekhar	CSE	Design of High Probability and Low overhead Propagation mechanism for Beacons in VANET	IJCST-Vol2.I3P19, IJCST-Vol2.I3, ISSN: 2347-8578.
		A Method Based On Data Fragmentation To Increase The Performance Of Ictcp During Incast Congestion In Networks	IJRITCC-Vol.2, Issue 9, Sept.
Mr. G.S. Santhoshkumar, Ms. Shiney Thomas, Ms. Ansamol Varghese	CSE	ISTE Workshop on Computer Networking (sponsored by MHRD & IIT-Bombay)	AJCE from 28th May to 5th July
Mr. G.S. Santhoshkumar, Ms. Shiney Thomas, Ms. Ansamol Varghese, Ms. M.G. Reshmi Priya, Ms. Anishamol Abraham, Ms. Neethu C. Sekhar	CSE	ISTE Workshop on - Computer Programming (sponsored by MHRD & IIT-Bombay)	AJCE from 16th to 21st June
Mr. G. Krishnalal	CSE	A novel approach of load balancing strategy in cloud computing. Credit based scheduling algorithm in cloud computing environment.	IJIRSET Vol. 3. July 2014. IC ICT 2014, CUSAT.
Mr. B. Sreenath	EEE	EEE Analysis of Output DC current injection in 100kW Grid Connected VACON 8000 solar Inverter	IJRASET-2014
Mr. Victor Jose, Ms. Dona Sebastian	EEE	Stator Fault Detection in Induction Motor Under Unbalanced Supply Voltage	AICERA-2014 iCMMD 2014
Ms. Rani Chacko	EEE	Areview on Wind turbine transformers	AICERA-2014 iCMMD 2014
Mr. Bobin K Mathew	EEE	Voltage Sag Correction in Distribution System Using DSTATCOM with PI and Hysteresis Controllers	AICERA-2014 iCMMD 2014

Awards to the best Faculty & Staff









Prof. Sherin Sam Jose Prof. Thomas Varghese



Prof. K.R. Arjun

ME



Prof. Annie Maria Issac

CE



ECE



Hearty Congratulations.

Prof. G. Krishnalal

Dr. Soney C. George



Prof. K.J. Mathew

AUF









AUF

Mr. Haris Xavier

IT



CF



Mr. C.S. Sreeiith

Joms Antony

Mr. Joms Antony, Asst. Prof. IT, received 3rd prize in the National Teachers Contest as part of 6th IEEE Conference on Technology for Education held at Amrita University. He also received the Technology for Education Fellowship Grant.

Mr. Joms Antony has been selected as an External Contributor to the Content Creation Team of Spoken Tutorial Project, IIT Bombay. He has received the approval for working with the content creation teams of Java Intermediate Series Tutorials and Digital Divide Tutorials.

Workshops / Seminars

- 1. The Dept. of Computer Science & Engg. conducted a two-week ISTE workshop on Cyber Security as a part of the T10KT programme funded by NMEICT IIT Bombay. Prof. Manoj T. Joy, HoD, CSE, was the coordinator.
- 2. Prof. Manoj T. Joy led a Career Guidance Programme as part of the "STEPS" of Computer Science & Engineering Department at St. Antony's Higher Secondary School, Poonjar and Govt. HSS, Edakkunam. More than 250 students attended the programme. Ms. Anjana V., Ms. Sruthy S. and Mr. Nishad C.V. were the team members.
- 3. The Dept. of Computer Science and Engineering in association with CSI- Cochin chapter, conducted a one-day workshop on HTML for first year students. Mr. Stephinmon Antony (S8CSE-B) Joe N. Sabu, (S5 CSE-A), Francis Alexander, (S5 CSE-A), Allen Krishna (S5 CSE-A) and Mr. Sachin Joji (S7 CSE-B) were the coordinators.
- 4. The Dept. of Computer Science and Engg. in technical partnership with CSI- Cochin chapter conducted a one-day workshop on "Big Data Analytics" led by TCS, Cochin. Prof. Manoj T. Joy was the coordinator.

STUDENTS: Extracurricular / Co-curricular Achievements						
Allen M. Mathew, Joe N. Sabu	S5.CSE	Technical Event- First	Abhiyanthriki at RSET on 19& 20th Sept			
Allen M. Mathew, Ajmal Basheer , Charles C. Sebastian and Joseph Michael Xavier	S5.CSE	A3K Legal Event- Second	Abhiyanthriki 2k15			
Athira Haridas and Abina Ajith	S5.CSE	Technical Event- Second Prize	RADIEUX 6.0 at Saintgits			
Alex P. Thomas, Amal Krishna, Francis Alexander and Joel Varghese	S5.CSE	Ethical hacking and Cyber security- 2-day workshop	MACE , Kothamangalam			
Sachin Wilson	S3. MTG	3rd prize in OPEN STATE ARM WRESTLING Competition	Thodupuzha			

AGON'14



National Level Online Quiz competition – AGON'14 organized by Amal Jyothi in association with Deepika.com and Deepika Children's League. To promote scholastic excellence and competence through healthy & fair competition among students from various schools and colleges.

Inspire 2K14



An Exclusive event to prove the real talents from schools

Training Programmes/Talks

- Orientation program for first year students on 'Personality development' on 30th Aug.
- Aptitude training for S6 students from 29th Dec 14 to 05th Jan 15.
- Faculty Induction Programme led by Prof. P.C. Thomas, HoD, EEE "Everything counts" 8th July 2014.
- Faculty Induction Programme Victor Jose, Faculty EEE "Living and Teaching in the times of GenY and Gen Z" 9th July.
- Mr. Baiju Jose, Inditrade, Kanjirapally gave a talk on "Financial derivatives" to S8 EEE Students on 10th Dec.
- Induction training program for S1S2 EEE was held from 9th-20th June and for S4 EEE from 12th-20th Jun.
- Legal awareness classes for S3 students was held on 18th Jul.



Teach 2K14

'Teachers are like candles - they burn themselves to give light to others'. Teachers day celebration of this year - Teach 2K14. In this same function, Fr. Principal and Prof. Joy Cyriac draped Fr. Varghese Parinthirickal, Manager, with a 'ponnada' in honour of his sacerdotal silver jubilee. Dr. Sebastian Narively, Prof. K. Sreekumar spoke.



Azure - a National level techno-cultural fest with 65 cultural, technical and literary events was conducted 25th to 27th Sept. Cultural events were inaugurated by Sri. Lal Jose, film maker and the technical events by Sri. Issac Kottukappally, Managing Director, Lunar Group.

MyTree Challenge'



The Dept. of CSE conducted 'Exuro2k14 MyTree Challenge' as part of 'Azure 2k14'. Dr. Achuth Sankar (Centre for Bio Informatics), Fr. Jose Kannampuzha, Fr. Varghese Parithirickal, Prof. Manoj T. Joy, Fr. Rubin Thottupuram joined hands to plant trees, emphasizing the message of 'Green Ecosystem for a Sustainable Green Economy and Health'

TOPPERS

CROWN OF A JCE



CE







GOVIND REGHUNATH



ANIT BABY MATHEW







RITTY ROSE RAJU







FEBIN RAPHEAL AUE S6

SHERY ROSE JOSE

ANN MARIA THOMAS

CSF S8

PRATHIBA S. NAIR ECE S6

SANJANA VARGHESE

EEE S4



ALBERT K. JOSEPH AUE S4







LAKSHMI A.P.



AMALU ANNA JOSHY ECE S4



APARNA SHAJI EEE S2



ROY RAPPAI



JUSTUS DANIAL P. AUE S8

SHERRY ROSE JOSE



BELLA ROSE TOM

ATHIRA HARIDAS

CSE S4

NEEMA ZACHARIAS

ECE S2

JOSVIN THOMAS JOHN

ALAN VICTOR ALFRED RAJU



ANN JOSHY CSE S2



ANJU GEORGE EEE S8



AMAL CHACKO IT S6



SHINU P. JOSE



SUREJ KULANGARA ABRAHAM



DHEERU THOMAS



'Over a Cup of Tea':- It is important that we blend our academic programmes with activities that build character, improve knowledge and help connect with the world outside. 'Over a Cup of Tea' brings distinguished experts from various fields for an interaction with our students over a cup of tea. This exercise equips students with an understanding of various sectors. The latest session was an interaction with Dr. James Jacob, Director of Research, Rubber Board of India. With an illustrious career at the Rubber Board, he has wide international experience and discussed issues that go beyond rubber research on 6th Dec.