



# JYOTHI ENGINEERING COLLEGE

# JECC NEWS

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**Jyothi** does it again!  
We are ranked third for the second time amongst the Engineering Colleges of the University of Calicut. The **Academic Excellence Award** is ours once more.



Farewell to  
**Fr. Varghese Kuthur**  
on 5th Feb. 2014



Welcome to  
**Fr. Jose Punnoliparambil**  
on 5th Feb. 2014

The **old** order changeth giving way to the **new**

## Tharang 14 on Jan 25 & 25

Showcasing the technical & managerial brilliance of the Jyothians displaying their creativity and hidden talents through unique events.



Inaugurated by **Dr. M. N. Bandyopadhyay**  
(Director, NIT Calicut)

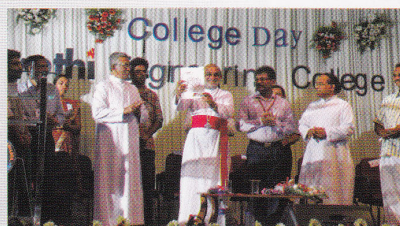
## College Day 22-03-2014

Winding up of yet another year of study, play and enjoyment. Culminating in the last great event of the academic year 2013-2014 building up Nostalgia - Our Annual College Day.



Inaugurated by **Mar Raphael Thattil**  
Auxiliary Bishop of Trichur

## College Magazine "ingenium 2013" released on College Day



### INDIVIDUAL CHAMPIONS - SPORTS DAY 31-03-2014



**Mariya James** (S8-AEI) **Sanu Sakaria** (S<sub>1&2</sub>-CE) **Martin Joseph** (S8-AEI)

## Celebrating the Victory of Sports



**Congratulations to Basketball Team for PECSAGA Tournament Trophy**

## Arts Day



Arts Fest 2014 of JECC named RHYTHM 14 was conducted on 14/03/2014. Sri. P V Eswaranunni H.O.D. Mizhavu (Faculty of Classical Theatre) Kerala Kalamandalam was the chief guest. Arts fest witnessed About 30 ON stage and 24 OFF stage events. Kalathilakam and Kalaprabhitha of RHYTHM 14 are Stephy Akkara of S1S2 EEE and Joel J Manjaly of S4 ME B respectively.

## NATURA ENVIRONMENTAL FORUM

Natura environmental forum conducted a debate on 'KASTURIRANGAN REPORT' on 18<sup>th</sup> March 2014 for the fourth semester students of Jyothi engineering college. 13 Students were shortlisted for the final round of debate.



**Dr. USHA MENON** chaired the debate.





Ms. TESSA JOSE



Ms. KAVYA CAROLINE GEORGE

Ms. TESSA JOSE of S4 CSE secured the first prize for being the best speaker and she was awarded with a cash prize of Rs.1000/-

Ms. KAVYA CAROLINE GEORGE of S4 ECE secured the second prize for being the best speaker and she was awarded with a cash prize of Rs.500/-

## ISTE ACTIVITIES



### ISTE Sponsored workshop on PCB Design and Fabrication

An ISTE Sponsored workshop on PCB Design and Fabrication Organized by AEI department was conducted on 21<sup>st</sup> feb 2014. The workshop was conducted for S4 students. A total number of 31 students participated in the workshop from different branches in our College. The workshop was handled by Mr. Jinesh K. Asst. Professor, Dept of ECE, JECC, Mr. Majeendran K, Trade Instructor, Dept of AEI, JECC



Talk on the topic Recent Advances in Civil Engineering by Dr. P.R. Sree Mahadevan Pillai, Prof. and HOD, N.S.S. College of Engineering, Palakkad.

### Workshop on, "MATLAB/ SIMULINK: Application to Electrical Engineering"



Organized by EEE Department. The sessions were handled by Ms. Ashni Elisa George, AP, EEE Dept on the topic, "Introduction and Fundamentals of MATLAB", Mr. Akhil A Balakrishnan, AP, EEE on the topic, "Programming using scripts and Introduction to the Simulink", Mr. Jinu K. T, HOD, EEE, IES Chitlappilly on the topic, "Applications of MATLAB in Control Systems", Ms. Sandhya and Ms. Nitya, PG Students, Power Electronics of the Department of EEE on the basic applications of the software in the field of Power Electronics.

## IEEE ACTIVITIES

National Level workshop

IEEE SB Jyothi Engineering College under the auspices of WIE Affinity Group conducted a National Level Workshop – "AZIKSA" on 7<sup>th</sup> and 8<sup>th</sup> of March. It included two workshops "PLC Automation" and "Augmented Reality" held parallelly. Mr. Sabarinath G Pillai (Secretary, IEEE, Kerala section) was the chief guest for the inaugural function.

Team Yokogawa from Chennai conducted the PLC workshop and team Botrio from Bangalore conducted the Augmented Reality workshop. A total of 95 students participated, with a major contribution of external participation from Karunya University, Coimbatore. The previous excom members were awarded with certificates for their active volunteering during the academic year 2013-2014. The winners of IEEE PES Quiz hosted by the SB, were also awarded cash prizes.



### Mr. Jishnu R and Ms. Anagha Philip of S8 EEE



won First prize in the District level competition of the 5<sup>th</sup> Series seminar organised jointly by the IEEE PES Society and KSEB Engineers association held at Vidya Academy of Science and Technology, Thalakkotukara

## EDC ACTIVITIES

Entrepreneurship Development Cell organized an invited talk on "Importance of Entrepreneurship in campus" on 28th march 2014 in Decennial Hall by Alex P George, CEO, ALCO FASTENERS, Visiting Professor @ IIM, Kozhikode & an alumnus of IIT/IIM.



## Department of CSE

PG Research Laboratory inaugurated on 29<sup>th</sup> Oct 2013.

Sruthy Sebastian (CSE) published a paper title "A framework for view invariant human identification from Video Sources" in the Journal of Innovation in Computer Science & Engineering Vol:3 Issue1 Jul-Dec 2013, ISSN 2278-0947 Page No:16-19

Anil Antony attended One Day Workshop on "Image Processing & Pattern Recognition" at GEC Thrissur on 15.10.2013.

Rigi C.R. & Seenia Francis attended Two Day National Workshop on "Network Simulation using NS2" from 26.10.2013 to 27.10.2013.

Anil Antony and Shaiju Paul attended a 5 day Workshop on "Network Administration" at GEC Thrissur, from 4/11/13 to 8/11/13.



Mr. Anil Antony



Mr. Shaiju Paul

Seenia Francis and Rigi C R gave a session on NS2 to faculty and M Tech students after they got a training program on NS2 at GEC Thrissur.



Ms. Seenia Francis



Ms. Rigi C. R.

### Students:

Joe Mathew, Dalwin Davis, Sanjo Simon & Radwin Raphael of S3 CSE won 1<sup>st</sup> prize in Dungeons of Dyuthi '13 at GEC, Thrissur.



Mr. Joe



Mr. Dalwin



Mr. Sanjo



Mr. Radwin

## CESA



CESA and the Computer Society of India (CSI) organized a national-level technical workshop titled "HackTrack 2.0 - The Certified Ethical Hacking Expert Workshop" by TechDefence, in association with e-cell, IIT-Bombay on the 29th and 30th of August 2013. Resource Person: Hithesh Choudary, Hacking Professional from TechDefence, Ahmedabad.



Ms. Athira



Ms. Tania

Athira Sasikumar won 1<sup>st</sup> place in the S6 result with a CGPA of 8.89, & Tania Pius won 1<sup>st</sup> place in the S1S2 result with a CGPA of 8.57.

Result Analysis		
Semester	Total Pass (%)	University Position
S6	90	1st
S1S2	62.3	4th

## IT Department

### PAPER PRESENTATION

1) Ms Greeshma PY, Maria Flower Wilson presented a paper on "Energy Enhanced Cluster Based Routing Protocol in WSN for Maximizing life time" in an International conference held on Rajas Engineering college Vadakkangulam on 7th march 2014.

2) Ms Midhya Mohan E, Neena Goerge presented a paper on "8-way likely Neighbourhoods Extraction of Foreground Images" in an international conference held on Rajas Engineering college Vadakkangulam on 7th march 2014.

3) Ms Saranya TG, Krishnapriya MA presented a paper on "A Comparative Study of Self Adaptive on Demand Geographic



Routing Protocols in Manets" in an international conference held on Rajas Engineering college Vadakkangulam on 7th March 2014.

4) Midhya Mohan E, Neena George presented a paper on "Zibee-the Modern Wireless Technology" held in Malabar Engineering college as part of their tech fest on 7th March 2014.

5) Vaneza Benny, Filma Mathew presented a paper on "Smart Phone Based Wcarable Sensors for Cyborgs using Neural Network Engine" held in Malabar Engineering college as part of their tech fest on 7th March 2014.

6) Revathy Menon, Ajisha Jhon presented a paper on "Multifactor Authentication Mechanism" held in Malabar Engineering college as part of their tech fest on 7th March 2014.

7) Sneha Divakaran, Glemin George presented a paper on "Using Combined Cryptographic Primitives Selective Jamming Attack Prevention Scheme in Wireless Network" held in Malabar Engineering college as part of their tech fest on 7th March 2014.

8) Hari Krishnan V, Jerry Joe presented a paper on "Challenges in the Life Cycle of Wireless Sensors Network" held in Malabar Engineering college as part of their tech fest on 7th March 2014.

9) Sanju V.C, Melbin Alex presented a paper on "A Novel Protocol for Network Assisted Power Management for WiFi Devices" held in Malabar Engineering college as part of their tech fest on 7th March 2014.

#### PAPER PUBLICATION

1. Jemy Joy Devika MD, Della T J, Afsheena M" published a paper on "English text to Malayalam Speech-A survey in IJCAT ( International Journal of Computing and Technology) Feb issue

2. Sneha Sebastian Hannah Jose, Reshma u G Jismi K Jacob published a paper on "Survey on Different Technologies of child tracking system" in IJCAT (International Journal of Computing and Technology) Feb issue

3. Sampreetha Ram, Reshma M, Terry Xavier, Amrutha K M published a paper on "Survey on Image encryption using different approaches" in IJCAT (International Journal of Computing and Technology) Feb issue

4. Abhishek K prabhakar, Mohammad Manzoor, Anu Paulson, Smisha Pious published a paper on "Droid Ei -An approach to Android electronic integration " in IJCAT (International Journal of Computing and Technology) Feb issue

5. Gejo Royce, Sruthi T R, Binnu T L, Nismi Theres published a paper on "Wireless relay controlling using android smart phone "in IJCAT (International Journal of Computing and Technology) Feb issue

6. Gejo Royce, Sruthi T R, Binnu T L, Nismi Theres published a paper on "Android smart phone wireless relay controller "in IJSER (International Journal Of Scientific And Engineering Research) March issue.

#### STUDENT ACHIEVEMENTS

Abhishek Prabhakar and Mohammad Manzoor of S8 IT won first prize in Web designing competition Held at Sahridaya college of engineering.

Edison M.L, Terry Xavier, Mithun K, Aneesh P of S8 IT have Secured second position in the event Treasure hunt conducted as a part of tech fest in sahrdaya college of engineering.

Abhishek K Prabhakar, Shebix Xavier of S8 IT secured first prize in website designing context conducted as a part of tech fest in FISAT.



Mr. Abhishek Mr. Manzoor Mr. Edison Mr. Terry



Mr. Mithun Mr. Aneesh Mr. Shebix

#### PAPER PUBLICATION OF FACULTY

Ms Divya M Menon, Ms Sobha Xavier and Mr Bineesh M published a paper on " Performance Analysis of Geographic Routing Protocols on MANET" in an International Journal of Engineering Research and Technology (IJERT) February issue.

Ms Jisna V A and Ms Chimmumani's paper titled "Securing quantum key distribution relay networks" was accepted in International Journal of Computing and Technology (IJCAT). Ms Sabna A B, Ms Diana Davis and Mr Majo John's paper titled "Effect of noise on likelihood neighbourhood extraction of foreground Images " was published in International Journal of Computer Science Trends and Technology.



Ms. Shobha Xavier Ms. Sabna A. Ms. Divya Menon



Mr. Majo John Ms. Diana Davis

#### WORKSHOPS CONDUCTED

1. ITEA organized a workshop on Linux Administration for S8 Students.

2. Seminar on Cyber Security was organized by Information Technology Engineers Association for IT Students.

##### Result

Class	Pass Percentage
S7	60.7

##### S7 Class Toppers

Name	SGPA
Sneha Sebastian	7.75%
Devika M.D.	7.68%
Reshma M.	7.64%

#### CE Department

Two day Workshop "EXPOSURE 14 - "Computer Aided Training Program on Practical Application of Civil Engineering" was conducted by CEA for S4CE students on 9th and 10th January 2014. Dr. Justine Jose of VAST, Mr. Abin Jose of Ambuja Cements and Prof. K.C.John, ME Dept., JEC took classes for the students. The students conducted survey of three road intersections and plotted the plan and profile of the junctions.

Three day educational tour was held for S4 students on 16th-18th January. They visited JICA aided water supply scheme, Peruvannamuzhi, Calicut and Kushal Plywood factory at Koorag.

ISTE Sponsored talk on the topic "Recent Advances in Civil Engineering " by Dr.PR.Sreemahadevan Pillai, Prof. and HOD, C.E Dept, N.S.S. College of Engineering, Palakkad, was held on 21st February 2014 Palakkad, was held on 21st February 2014.

Research Project proposal titled "Driver Centric Safety Evaluation of Two-Lane Rural Highway" under the Subject area "Road Safety" was submitted with DR.Anitha Jacob as the Principal Investigator.

##### Seminar

DR. Anitha Jacob, Ms. Jisha Akkara and Ms. Manju Manohar attended one day seminar on "Design of Safe Roads" conducted by Association of Engineers and Architects at Engineers Club, Thrissur on 25th January.

##### Student Achievements

As part of Tharang 2014, S4 CE students conducted EXITIUM - a model of Mullaperiyar Dam, PERCEPTION - a drawing contest and WASTE WISE - a model making

contest

Mr.Manu C Paul of First Year Civil presented a paper on Green Buildings for Vibhavana - the paper presentation contest

Ms. Archana C.D, Mr. Hemanth M.S., Mr. Midhun T and Mr. Noble Jose of S4 Civil won consolation prizes of Rs. 2000/- in a paper presentation contest 'AVANZA' conducted by AISAT, Kochi.



Ms. Archana Mr. Hemanth Mr. Midhun Mr. Noble

#### EC Department STAFF ACHIEVEMENTS

##### Paper Presentations in International Conference

1. Paper titled "Stability Enhancement of a Multi- Area Power System with Unified Power Flow Controller", by Mr. Abin Johns Raju, Asst. Prof. and Dr. Jose P Therattil, HOD, ECE Dept., was presented in the IEEE International Power Engineering and Optimization Conference (PEOCO-2014) held at Langkawi, Malaysia on 24-25 March 2014.

2. Paper titled "Advanced Modeling and Control of a Power System with UPFC", by Mr. Abraham P A, Asst. Prof. and Dr. Jose P Therattil, HOD, ECE Dept., was presented in the IEEE International Power Engineering and Optimization Conference (PEOCO-2014) held at Langkawi, Malaysia on 24-25 March 2014.



Dr. Jose P. Therattil Mr. Abin Johns Raju Mr. Abraham P. A.

Ms. Krishnapriya S presented a paper titled "Analytical Studies of Vertical Double Gate NTFET" at the IEEE International Conference held on 13th and 14th February 2014 at Karpagam College of Engineering, Coimbatore.



Ms. Krishnapriya S.

#### STAFF ACTIVITIES

##### SEMINARS/WORKSHOPS CONDUCTED

1. Mr. Jinesh K J conducted a one day workshop on "PCB Design & Fabrication" for S6 AEI students organized by Applied Electronics Students Association on 24/02/2014.

2. Mr. Jinesh K J conducted a one day workshop on "PCB fabrication" sponsored by ISTE on 21/02/14.

##### FDPs/SEMINARS/WORKSHOPS ATTENDED

1. Ms. Krishnapriya S attended a two day workshop on "Custom IC design using Tanner EDA" from 06/03/2014 to 07/03/2014 at GEC Thrissur

2. Ms. Shiny M I attended QIP Sponsored STTP on "Hands on Training on FPGA based Embedded System Design" from 17/03/2014 to 21/03/2014 at GEC Thrissur.

#### STUDENTS ACHIEVEMENTS

##### Sunny Diamond Award Winner



Ms. Rose Mary John

Ms. Rose Mary John of S8 ECE won the Sunny Diamond Ring for the best student of B.Tech (2010-2014 Batch)

#### ACHIEVEMENTS IN INTER-COLLEGE TECHNICAL EVENTS

1. Ms. Nimpha Anto and Ms. Sneha Jose of S8 ECE won the 1st prize for the paper titled "Finger print based gender classification" in Paper presentation competition held on 19/01/2014 as part of Techfest Lanista '14 at Royal College of Engineering & Technology, Akkikavu.



2. Ms. Ann Marie Antony and Ms. Rose Mary John of S8 ECE won the 2<sup>nd</sup> prize for the paper titled "Virtual Instruments Systems in Reality" in Paper presentation competition held on 19/01/2014 as part of Techfest Lanista '14 at Royal College of Engineering & Technology, Akkikavu.



Ms. Nimpha Ms. Sneha Ms. Ann Marie Ms. Rose Mary

3. Mr. Janwin Sunny, Mr. Lidwin Cleetus, Mr. Antony Jacob & Mr. George Sunny of S8 ECE secured first prize in "Tricky Tech" conducted as part of PALMARIUS'14 organized by Sahrdyaya College of Engineering, Kodakara on 13th February 2014.



Mr. Antony Mr. George Mr. Janwin Mr. Lidwin

### ACHIEVEMENTS IN INTRA-COLLEGE TECHNICAL EVENTS

1. Mr. Antony Jacob, Ms. Nivia George and Ms. Maria Tony won the 2<sup>nd</sup> prize for Circuit Designing & Debugging Contest (Hunger Games) conducted as part of Tharang '14 at Jyothi Engineering College.
2. Ms. Kavya Caroline of S4 ECE won the second prize in the debate competition on "Kasturirangan Report" organized by Natura Environmental Forum of Jyothi Engineering College on 18/04/2014.
3. The following students of S4 ECE reached the final round of debate competition on "Kasturirangan Report" organized by Natura Environmental Forum of Jyothi Engineering College on 18/04/2014

Ms. Kavya Caroline, Mr. Edwin Andrews, Mr. Joe Abraham  
Mr. Vishnu K.

### ECSA ACTIVITIES

#### ECSA ACTIVITIES

ECSA organized a one day PCB workshop for S6 ECE students on 06/01/2014. The following students of S8 ECE handled the sessions:

Mr. Jinu Thankachan, Ms. Fincy Jose, Mr. Anoop Francis  
Ms. Sneha Jose, Mr. Jerin Joseph & Mr. Alwyn Antony

### THARANG'14 ACTIVITIES

Students organized the following events as a part of Tharang Techfest 2014

Implemented an FM station named 'Beats FM 87.5'

Last Stand – Task Management event

Xponica – Project Exhibition

Hunger Games- Circuit Designing & Debugging Contest

Drisyam- Short Film competition

### SEMINARS / WORKSHOPS ATTENDED

1. Mr. Jinu Thankachan attended a one day workshop on "Productivity Improvement and Business Development" by Department of Industries & Commerce Govt of Kerala in association with Natural Institute for Micro, small & Medium Enterprises, Hyderabad at Kochi on 18/02/14
2. The following students of S4 ECE attended two day workshop on "PLC" organized as part of AZIKSA '14 sponsored by IEEE Student branch Jyothi Engineering College on 07/03/2014 and 08/03/2014.

Mr. Geo Pappachan, Mr. Joe Abraham, Ms. Ani Tilna James & Mr. Vishnu K.

1. Mr. Edwin Andrews of S8 ECE attended two day workshop on "Augmented Reality" organized as part of AZIKSA '14 sponsored by IEEE Student branch Jyothi Engineering College on 07/03/2014 and 08/03/2014.
2. Students of S4 ECE attended "An Expert Talk on Entrepreneurship Development" organized by

Entrepreneurship Development Cell of Jyothi Engineering College on 28/03/2014.

### PARTICIPATION IN SOCIAL SERVICE RELATED ACTIVITIES

1. Mr. Razil Ahmed and Mr. Jithin Jose of S6 ECE received Memento and Certification of Appreciation from NSS Cell Trivandrum for implementing 'PUNARJJANI Programme' during the NSS Camp at Varavoor and Ottupara District Govt Hospital from 21/12/2013 to 27/12/2014.
2. The following students participated in Energy Conservation Cycle Rally Programme organized in connection with Tharang'14 at Thrissur Round on 22/01/2014:

Mr. Leo Paul (S6 ECE), Mr. Joe Davis (S4 ECE),  
Ms. Athiramol K. Thampi (S4 ECE) & Ms. Athira Vijayaraman (S4 ECE)

1. Ms. Pooja Varma of S6 ECE participated in One day Social service activity on 19/01/2014 organized by Public Health Centre, Alathoor in connection with Pulse Polio Day.
2. Ms. Aleesha Santhosh of S6 ECE participated in Blood Donation Camp at Valluvanad Hospital Ottapalam on 26/01/2014 as part of social service activity

### INDUSTRIAL VISIT & EDUCATIONAL TOUR

1. 2011-2015 ECE Batch visited FACT, Kochi on 31/01/2014 along with Mr. Abraham P A, Asst. Professor & Ms. Shiny M I, Asst. Professor.
2. 2012-2016 ECE Batch students visited Diesel Power Plant, Calicut on 30/01/2014 and ACE Components and Electricals, Mysore on 31/01/2014 as a part of their Educational Tour to Mysore and Coorg between 30/01/2014-01/02/2014 along with Ms. Nisha Mary P Asst. Prof. and Mr. Abin Johns Raju, Asst. Prof.
3. 2010-2014 ECE Batch students visited National Thermal Power Corporation Limited Delhi on 29/01/2014 and Subros Limited Delhi on 30/01/2014 as a part of their Educational Tour to Delhi during 25/01/2014 to 02/02/2014 along with Ms. Bindhu K. Rajan, Asst. Prof. and Mr. Jinesh K J, Asst. Prof.

### ME Department STUDENTS ACHIEVEMENTS



Mr. Sreevalsan Mr. Akhil Mr. Franco Mr. Albert



Mr. Rimin Mr. Rino Mr. Basil Mr. Deepak



Mr. Delvin Mr. Harikrishnan Mr. Abin Mr. Arun



Mr. Tony Mr. Aliwin Mr. Froid Mr. Antony



Mr. Britto Mr. Solaman

Mr. SREEVALSAN S MENON participated in the "One day Workshop on Computational Science", March 21, 2014 at Supercomputer Education and Research Centre, Indian

Institute of Science(IISc), Bangalore. He also qualified for GATE2014.

Mr. AKHIL VINCENT of S8ME won first prize in LAN GAMING at Jyothi Engg college, 24Jan2014, Malabar Engg college, Feb2014, Mar Athanasius college, March2014 and NSS college Palakkad, March2014

Mr. FRANCO ANTONY, Mr. P J ALBERT, Mr. RIMIN P R, Mr. RINO DISNEY, Mr. SOORAJ, Mr. SREEVALSAN S MENON and Project Guide Mr. Melvinraj C.R. APME conducted a press conference of their innovative project "PNEUMATIC HYBRID VEHICLE" project at Trissur.

Mr. BASIL VARGHESE, Mr. DEEPAK DAS, Mr. DELVIN DEVASSY, Mr. HARIKRISHNAN K, Mr. SHARATH G. KRISHNAN presented their paper "DESIGN AND COST OPTIMIZATION OF PLATE HEAT EXCHANGER" at a national conference on latest trends in mechanical engg Held at NSS College Palakkad, March 2014.

Mr. ABIN BABY, Mr. ARUN PS, Mr. C.R TONY participated in international conference on "SAFETY BY DESIGN" held at Jawaharlal Nehru college Ikkidi and presented the project titled "DESIGN AND FABRICATION OF PNEUMATIC ARM FOR RESCUE OPERATIONS".

Mr. ALLWYN ANTONY, Mr. FROID JAMES participated in International Conference on safety "by design" held at Jawaharlal Nehru college Ikkidi and presented the project titled "MULTI FUNCTIONING MECHANICAL RECLINER".

Mr. HARIKRISHNAN K: 1ST Prize in ELOCUTION at Jyothi Engg College.

Mr. ANTONY BABU, ALLWYN ANTONY M, BRITO MICHAL, SOLOMAN ALAPATT : Participated on ROBOWAR

Mr. SOLOMAN A DEVASSY, P J ALBERT, FRANCO ANTONY, AKHIL VINCENT ALEN SEBESTAIN: BASKETBALL second prize at jyothi Engg College, College Sports Day, March 2014

Mr. ALEX THOMAS, Mr. SAM SAKKARIA, Mr. RAKESH LAWRENCE, Mr. DEJISH VARGHESE, RIMIN P R, DIJO BABU, JITHIN JHONSON, P J ALBERT won Second Prize in FOOTBALL Tournament, at jyothi Engg College, College Sports Day, March 2014

Mr. ALEX THOMAS, GEORGE M JOHN, JOSE S K, DEJEO ROMEO, BASTIAN P ROY, JOSEPH CHACKO, MIDHUN KURIAN: 2<sup>nd</sup> Price in CINEMATIC DANCE on arts day.

Mr. ALEX THOMAS, JOSEPH MECHERY, JOSE S K, JOSEPH CHACKO, AKHIL ANTONY, DEJEO ROMEO, FARZAD FAISAL, GEROME M. JOHN of S8ME won 3<sup>rd</sup> prize in DRAMA on arts day.

Mr. ALEX THOMAS, SAM SAKKARIA, ALEX V.C, ALEN SEBESTAIN, AKSHAY JOHN: 1ST Prize in TAG OF WAR at jyothi Engg College.

Mr. HARI KRISHNAN K, MIDHUNKURIAN: Presented a paper on titled "ABRASIVE WATER JET PIN CUTTING SYSTEM" at THARAG 14 at jyothi Engg College

Mr. Tony Kalliath, Mr. Shino Simon, Mr. Linz Rajan and Mr. Sajith Syamaprasad of S6ME-B won the 1<sup>st</sup> prize in treasure hunt conducted by Don Bosco college, Mannuthy.

Ramanadhan R., Prashob T.P, Sooraj George J. and Nidhin Joy of S4 ME B have successfully attended two days (4/2/12) workshop on Robotics at Nirmala College of Engineering, Chalakudy.

Joemon Benny, Nidhin Joy, Prasobh T.P, Ramanathan R. & Sooraj George J. of S4ME-B, attended Grand Finale of "Robo-Zest 2014" at IIT Bombay on 4th March 2014.

S6 ME - B students conducted Industrial visit to HMT on 18<sup>th</sup> Jan 2014.

S4 ME A and B batches conducted 3 days study tour on 16<sup>th</sup> and 9<sup>th</sup> Jan 2014 to Bangalore.

S8 ME students visited ATOS Instrumentation Ltd and Visweswaraya museum as part of Final year study tour on January 2014 at Bangalore.





## FACULTY ACHIEVEMENTS

Christy V Vazhappilly, Manoj Kumar and Praveen Raj, APME Published a research paper "Experimental analysis of Vibration of Ball bearing considering solid contaminants in lubricants", International journal of engineering research and application-IJERA Vol. 3, Issue 5, 2013.



Mr. Christy V.



Mr. Manoj Kumar



Mr. Praveen Raj



Mr. Nice Menachery

Mr. Sreejith K. (APME), Mr. Basil Varghese, Mr. Deepak Das, Mr. Delvin Devassy, Mr. Harikrishnan K, Mr. Sharath G. Krishnan of S8ME, presented a research paper relating to their Main Project titled "DESIGN AND COST OPTIMIZATION OF PLATE HEAT EXCHANGER", in the National Conference on Latest Trends in Mechanical Engineering (NCLTME-2014) held at N.S.S. College of Engineering, Palakkad on 26/03/2014.

Mr. Sreejith K. (APME), Mr. Vipin Das and Ms. Sushmitha S. of S4ME-B, presented a research paper titled "EXPERIMENTAL INVESTIGATION OF A HOUSEHOLD REFRIGERATOR USING AIR-COOLED AND WATER-COOLED CONDENSER", in the National Conference on Latest Trends in Mechanical Engineering (NCLTME-2014) held at N.S.S. College of Engineering, Palakkad on 26/03/2014.

IEEE Conference Papers Accepted:

"SIX STROKE ENGINE WITH PRE-COOLED SYSTEM FOR LOW CONSUMPTION OF FUEL", prepared by Mr. Nice Menachery and Mr. Manoj Kumar V.K., was accepted for presentation in the (IEEE-ICAET-2014) Conference at EGS Pillay Engineering College, Nagapattanam

"FUEL CONSUMPTION REDUCTION SYSTEM IN 4 STROKE ENGINES", prepared by Mr. Nice Menachery was accepted for presentation in the (IEEE-ICAET-2014) Conference at EGS Pillay Engineering College, Nagapattanam.

## AEI Department AEISA ACHIEVEMENTS

1. On 24<sup>th</sup> February 2014, Mr. Jinesh K J, Assistant Professor, ECE Dept., JECC handled a session on 'PCB DESIGN AND FABRICATION' for S6 AEI Students.



Session on 'PCB DESIGN AND FABRICATION'



## DEPARTMENT ACTIVITIES

1. Conducted a study tour to Pune and Bangalore for S8 students from 26<sup>th</sup> January – 2<sup>nd</sup> February 2014. As a part of educational tour 53 students visited Southern Chips, Bangalore on 2-2-2014 along with two faculty members (Mr. Ponmani Raja & Ms. Neethu Rose Thomas) and two parents.



S8 AEI Students

1. Conducted Industrial visit for S6 students on 31<sup>st</sup> January 2014. 36 students visited FACT Udyogamandal division and Madakkathara Power station along with two faculty members (Mr. Ratnan P & Mrs. Asha John)

2. Conducted study tour for S4 students to Munnar, Idukki and vagamon from 16<sup>th</sup> – 18<sup>th</sup> January 2014. As a part of educational tour 23 students visited Moolamattam Lower Periyar Power station, Idukki on 17-1-2014, along with two faculty members (Mr. Ratnan P & Ms. Drisya M.K.)



S4 AEI Students

1. As part of Tharang 2014 AEI Department conducted two day camera expo "BEHIND THE SCENES", Circuit debugging competition "HURT LOCKER" and two day project expo "SAVISKARA" on 24<sup>th</sup> and 25<sup>th</sup> January 2014.



Behind the Scenes



Hurt Locker

1. Conducted ISTE Sponsored Workshop on PCB Design and Fabrication for S4 students by Mr. Jinesh K.M. (Asst. Professor ECE) & Mr. Majeendran K (Trade Instructor) organized by AEI Department Association on 21<sup>st</sup> February 2014.

2. Conducted Workshop on PCB Design and Fabrication by Mr. Jinesh K.M. (Asst. Professor ECE) & Mr. Majeendran K (Trade Instructor) for S6 students organized by AEI Department Association on 24<sup>th</sup> February 2014.

## FACULTY ACHIEVEMENTS

1. Ms. Nyni K.A., Ms. Drisya M.K. and Ms. Neethu Rose Thomas published a research paper entitled 'Detection of Macula in Retinal Images using Morphology' in International Journal of Advanced Research in Computer Science and Software Engineering, Vol. No: 4, Issue: 1, January 2014.

2. Ms. Alice K Paul, Ms. Shainu Paulose and Ms. Roshni Rajan K published a research paper titled 'Methods to Reduce Power Dissipation in FPGA' in 'International journal of Electronics and Communication Engineering'; vol-3, issue-3, march-2014.

3. Ms. Roshni Rajan K and Mr. Nithil Jose attended a workshop on 'PLC AUTOMATION' conducted by Yokogawa, Chennai under the auspicious of WIE affinity group of IEEE Student branch of JECC on 8<sup>th</sup> and 9<sup>th</sup> of March 2014.

## STUDENTS ACHIEVEMENTS



Mr. Joseph Mr. Savio

Mr. Joseph Antony (Captain of College Basket ball team) of S8 AEI achieved trophy for scoring MAXIMUM POINTS and Mr. Savio Pauly of S4 AEI, Member of College Basket Ball Team was selected as the BEST PLAYER in PECSAGA, Basket Ball tournament conducted at Thejus Engineering College.



Ms. Sujith

Ms. Sujitha T. P. of S8, AEI was awarded as BEST STUDENT in mathematics by Department of BSH. She scored 'S' grade in all the mathematics papers

## WORKSHOPS

1. Mr. Nikhil Chandrasekharan of S8 AEI participated in one day workshop on Productivity and Improvement organized by Department of Industries and Commerce, Government of Kerala held at Grand Hotel Kochi on 18<sup>th</sup> February 2014.

## NATIONAL CONFERENCES

1. Mr. Jayaram Rajan and Mr. Arun K.O. of S8 AEI presented a paper entitled 'Control & Automation of Instrument Air System Using PLC' in the National Conference on Emerging Electronics Held at Chendu College of Engineering & Technology, held at Chennai on 28<sup>th</sup> February 2014.

2. Ms. Tessa Joseph and Ms. Riji C. J. of S8 AEI presented a paper entitled 'Elliot Compressor Control System in PLC' in the National Conference on Emerging Electronics held at Chendu College of Engineering & Technology, Chennai on 28<sup>th</sup> February 2014.

3. Mr. Nikhil Chandrasekharan and Mr. Sajeer K. A. presented a paper entitled 'Design of EHTCS for TGS for Captive Power Plant', in the National Conference on 'Electronics, Control and Power Engineering' at CMS college of Engineering and Technology, Coimbatore on 7<sup>th</sup> March 2014. They secured SECOND prize for the presentation.

4. Ms. Aksa Andrews, Ms. Steffi rose V.J. and Mr. Nikhil Vincent presented a paper entitled 'Nitrogen Plant Automation Using PLC and SCADA', in the National Conference on 'Electronics, Control and Power Engineering' at CMS college of Engineering and Technology, Coimbatore on 7<sup>th</sup> March 2014.



5. Mr. Muhammed Hassan Anas K.T., Mr. Vishnu G Nair, Mr. Rohith I.R. and Mr. Ratheesh K.P presented a paper entitled 'Ropeway conveyor and Unloading System using PLC' in the National Conference on 'Electronics, Control and Power Engineering' at CMS college of Engineering and Technology, Coimbatore on 7<sup>th</sup> March 2014.

6. Mr. Jimmy Jaison presented a paper entitled 'Steam and Feed Ratio Control of Honeywell DCS based Ammonium Plant' in the National Conference on 'Electronics, Control and Power Engineering' at CMS college of Engineering and Technology, Coimbatore on 7<sup>th</sup> March 2014.

7. Mr. Jithin V. U and Mr. Prajith K. presented a paper entitled 'PLC Based Design of Nitrogen Compressor System' in the National Conference on 'Innovation in Communication and Instrumentation' on March 9<sup>th</sup> 2014 at Kalaivani College of Technology, Coimbatore.

8. Mr. Mohammed Fayiz P.A. presented a paper entitled 'Boiler Burner Automation' in the National Conference on 'Innovation in Communication and Instrumentation' on March 9<sup>th</sup> 2014 at Kalaivani College of Technology, Coimbatore.

9. Mr. Nixon Davies and Ms. Princy Babu presented a paper entitled 'Automation of Digester Batch process using PLC and SCADA' in the National Conference on 'Innovation in Communication and Instrumentation' on March 9<sup>th</sup> 2014 at Kalaivani College of Technology, Coimbatore.

10. Mr. Martin Joseph and Mr. Antony E. O. presented a paper entitled 'Coefficient of Friction and Melt Flow Index of Plastic Materials' in the National Conference on 'Innovation in Communication and Instrumentation' on March 9<sup>th</sup> 2014 at Kalaivani College of Technology, Coimbatore.

11. Mr. Midhun Haridas and Mr. Joseph Antony presented a paper entitled 'Automation of Calcination process using PLC and SCADA' in the National Conference on 'Innovation in Communication and Instrumentation' on March 9<sup>th</sup> 2014 at Kalaivani College of Technology, Coimbatore.

## INTERNATIONAL JOURNALS

1. Ms. Ambily Francis, Mr. Muhammed Hassan Anas K.T. Mr. Vishnu G Nair, Mr. Rohith I.R. and Mr. Ratheesh K.P published a paper entitled 'Ropeway conveyor and Unloading System using PLC' in 'International Journal of Computing and Technology' Volume No. 1 Issue No. 1 Feb 2014.

2. Ms. Asha John, Ms. Aksa Andrews, Mr. Eldho Johnson and Mr. Nikhil Vincent published a paper entitled 'Automation of Nitrogen Plant using PSA Technology' in 'International Journal of Engineering Research and Technology' Volume No. 1 Issue No. 2, Feb 2014.

3. Mr. Ratnan P. Mr. Jithin Jose, Mr. Muhammed Rafi K. T. and Mr. Yoosaf Nisar K. published a paper entitled 'Cement Mill Feeder Control System' in 'International Journal of Computing and Technology' Volume No. 1 Issue No. 2, pp-47-52, March 2014.

4. Ms. Asha John, Ms. Aksa Andrews, Mr. Eldho Johnson, Ms. Steffi rose V.J. and Mr. Nikhil Vincent published a paper entitled 'Nitrogen Plant Automation Using PLC and SCADA', in 'International Academy of Science, Engineering and Technology' Volume No. 3 Issue No. 2, March 2014.

5. Ms. Roshni Rajan K, Mr. Nikhil Chandrasekharan and Ms. Maria James published a paper titled 'Speed Governor System for TGS for Captive Power Plant' in Volume 4 issue 2 of International journal of advanced research in computer science and software engineering.

## BSH DEPARTMENT

Jasmin jose attended a workshop at St Josephs college Irinjalakuda on 31<sup>st</sup> January 2014 conducted by Science Academy Bangalore.

Dr M Balagopal joined as HOD in Chemistry (BSH Dept) and R&D Director.

Dr Balagopal M had attended a technical seminar on Plastics Recycling & Waste Management held at Cochin being organized by Centre for Biopolymer Science & Technology, a unit of CIPET.

Mr Vijayagovindan C has participated in the National Seminar on "New Perspectives in Mathematical theory of Computer Science 2014" at SH college Thevara on 3<sup>rd</sup> and 4<sup>th</sup> Feb 2014.

Mr Vijayagovindan C had a talk on "Cryptography for Information Security" at Ansar Womens college, Perumpilav on February 5.

Ms Steffy Akkara (S1&2 EEE) has won 3<sup>rd</sup> prize in Calicut University D'Zone Competition 2013-2014. Also she is the KALATHILAKAM of Jyothi Engineering College



Ms. Jasmine Jose



Dr. M Balagopal



Mr. Vijayagovindan



Ms. Steffy Akkara



Dr. Usha Menon



Fr. Roy Joseph Vadakkan

## Placement & Training Department

conducted training for short listed candidates of TCS through FACE Trainers.

In house training in interview & communication skills were given to S8 Students by Dr. Usha Menon in the campus.

The following students got placed in various companies.



Ms. Angel  
Software Engineer  
UST Global, Trivandrum

Ms. Anna  
Software Engineer,  
Infosys, Bangalore

Ms. Athira  
Software Engineer  
UST Global, Trivandrum



Ms. Irene  
Software Engineer,  
Infosys, Bangalore



Ms. Jissa  
Software Engineer,  
Infosys, Bangalore



Ms. Sangeetha  
Software Engineer,  
Infosys, Bangalore



Ms. Saranya  
Software Engineer,  
Infosys, Bangalore



Ms. Shilpa  
Software Engineer  
UST Global, Trivandrum

## IT Department Placement

Arjun V, Anoop K S of S8 IT got placed in Dell BPO through the job fair conducted at Sahradaya College of engineering.



Mr. Arjun  
Dell, BPO



Mr. Anoop  
Dell, BPO

## EC Department Placement

### Cognizant Technology Solutions Limited



Ms. Nivia  
Cognizant Technology  
Solutions Limited



Ms. Nimpha  
Cognizant Technology  
Solutions Limited



Ms. Rose  
Cognizant Technology  
Solutions Limited



Ms. Sophia  
Cognizant Technology  
Solutions Limited



Ms. Tracy  
Cognizant Technology  
Solutions Limited

## EEE Department Placement

Mr. Vishnu Kailoth and Ms. Anju U. D of S7 EEE (2010 Admission) got placed in Infosys Technologies as a part of the Placement drive conducted in the college.



Mr. Vishnu  
Infosys Technologies



Ms. Anju  
Infosys Technologies