



■ OCTOBER 2012 ■ BOOK - 1 ■ VOLUME - 2

Jecc news

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JYOTHI ENGINEERING COLLEGE, JYOTHI HILLS, VETTIKATTIRI, THRISSUR



VIP on Campus .

Prime Minister Manmohan Singh
Plants a Tree



Jyothi Engineering College Alumni Association organized the 3rd Alumni meet on 11th August 2012. This meeting was inaugurated by Rev. Fr. Varghese Kuthur. 25 Alumni members attended the meet. They shared their experiences. All of them were extremely happy to spend time with their old friends and teachers. The meeting was a grand success.



Principal Dr. Gylson Thomas Receiving the Trophy From the Vice Chancellor of the University of Calicut on behalf of Jyothi Engineering College for continuously being among the top three engineering colleges of the university in the last three years



An international seminar on Smart GRID technology was conducted in Jyothi Engg College on 23rd & 24th of March 2012. The seminar was inaugurated by Mr. Alex P George, Entrepreneur & Visiting Professor, IIM, Kozhikode.



Convocation for the 2011 batch was conducted on 28th July 2012. The chief Guest was Dr. Kuncheria P Issac , Member-secretary of the All-India Council for Technical Education (AICTE)





WOMEN'S DAY CELEBRATION

On 8th March 2012, Women's day was celebrated in Jyothi Engg. College with some performances by the students and a debate on the topic "Whether women should work after marriage?"



In connection with World Blood Donors Day, 83 donors including staff and students of our college donated blood on 14th June 2012. Some of the staff from Jubilee Medical College led the team.

The Blood Donors forum was honored by District Health service with a memento named 'KALALAYATHULLIKAL'. The forum was also honored by Jubilee Mission Medical College with a memento.



OLD AGE HOME VISIT

Under the auspices of the Women Development Cell of Jyothi Engg. College, about 40 members visited the Old Age Home Sri Ravi Varma Mandiram, Nellikkunnu on 15th August, 2012



The Induction Ceremony for the year 2012 was conducted on 10th Aug 2012 and was inaugurated by Mr. V T Balram, MLA, Thrithala

NATURA Environmental Forum



"NATURA", an environment forum started functioning since July 2009 with the vision of attaining a clean and healthy environment. "Natura" started this years activities by celebrating "Environment Day" in the college on 20/6/2012. The chief-guest Dr. Mary Regina, Associate Professor, Krishi Vigyan Kendra inaugurated the function. Dr. Gylson Thomas, Principal welcomed the gathering, followed by the Presidential address by Rev. Fr. Varghese Kuthur, Executive Manager. Felicitations were given by Administrator Engg. Thomas Mathew, and Asst. Administrator Engg. Bobby Peter. The activities of the forum from 2009 till date were explained by the natura staff co-ordinator Ms. Sreeja Rajesh, CSE Department. The entire Jyothi Family took a pledge to safeguard Mother Nature and also the "Say No to Plastic Bags". As a first step to this Natura introduced a lunch bag and distributed it to all the members of Jyothi. A few saplings were distributed to HOD's of all departments by the chief guest, and planted in the Ayurvedic garden "Ayur Jyothi". The students of S5 Mech performed a MIME based on the topic Environment and Pollution. Paper bags were also distributed to neighbouring houses, shops at Vettikkatiri and Cheruthuruthy. Mr. P K Padmarajan, SI Cheruthuruthy police station appreciated our approach to generating awareness among people. On 13/7/2012 Natura members visited Jeevodaya hospital, Chelakkara to spread awareness about the importance of cleanliness and blood donation. Toys were donated to the children's ward and paintings displayed on walls of the pediatric ward so as to divert the child's attention from the illness. On 17/8/2012 Nakshatra Vanam (Forest with trees representing 27 Malayalam stars) was inaugurated by the Principal Dr. Gylson Thomas.

Chief Co-ordinator : Ms. Sreeja Rajesh, CSE Dept.

Co-ordinators

Ms. Roshini, AI Dept.

Mr. Nikhil, Mech Dept.

Ms. Reji, IT Dept.

Ms. Asha, ECE Dept.

Mr. Majeender, AI Dept.

natura members :
The jyothi family

NSS Activity Report

09-03-2012 (Special Camp)

The NSS unit of JYOTHI engineering college conducted a seven day special camp at Attapady social service organization, Attapady (ASSO) from 9/3/2012-15/3/2012. Program officer Mr. Shiju Varghese T, Ms. Reshmi Anand along with 40 NSS Volunteers from our unit participated in the camp. The camp visited different tribal areas in Attapady and constructed the basement of a new building of 1300 Sq.ft for the Govt. U.P School Building, Kukkem pallayam, Attapady.



29-06-2012 (Tree Planting)

The NSS Unit of our college organized a tree planting activity on 29-06-2012. Vallathol Grama Panchayath member Sri Sulaiman inaugurated the program by planting a tree. 50 saplings were planted on the road sides of Shoranur -Thrissur Road.



14-07-2012

The Program officer of JEC and Mr. Joseph Chacko (S5 ME), Ms. Anagha Philip (S5EEE), and Ms. Priyanka Raju attended the central zone volunteer secretary's training workshop held at Sree Narayana Guru Institute of Technology and Science, N.Paravoor, Ernakulam



28-07-2012

The NSS unit of our college donated 100 dining plates to the students of Govt.U.P School Kukkempallayam, Attapady.

11-08-2012

Program officer Mr. Shiju Varghese T, Mr.Sharath G Krishnan (S5ME), Mr.Asams C.S (S5AEI), Ms.Tilda Antony (S5EEE) and Ms. Sruthy Jose (S5EEE) attended a two day District level training camp at Nehru College of Engineering and Research Centre, Pampady.

14-08-2012

An orientation programme for select volunteers was held on 14/08/2012 and Sri. Mangal Das gave a lecture on volunteerism.

15-08-2012

The 66th Independence Day was celebrated by the National Service Scheme. The celebrations began with the flag-hoisting by the Executive Manager Rev Fr. Varghese Kuthur followed by the National Anthem. Sweets were distributed to all present.



After the celebrations NSS volunteers took forward the movement for plastic eradication. They worked for the repair and painting of the Govt. Taluk Hospital vadakkanchery. 100 volunteers from our unit participated in this activity.

25-08-2012 (Onam Celebrations)

Our NSS unit celebrated Onam with the Cancer patients at SANTHINIKEDAN Chittilapilly, Thrissur. They spent the one day with them sharing an onam lunch. They also donated 25 bed sheets.



THARANG TECH FEST -2012 MARCH



DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION



AEISA ACTIVITIES

The Applied Electronics and Instrumentation Students' Association (AEISA) inauguration for the academic year 2012-13 was conducted on 19/07/12. Mr. Santhosh Bhaskar, Executive Engineer (Electrical), Apollo Tyres,

Perambra was the chief guest of the day and delivered a talk on 'PLC Based Industrial Automation'.

DEPARTMENT ACTIVITIES AND ACHIEVEMENTS



INAUGURATION

The System Simulation Lab was inaugurated by Rev. Fr. Varghese Kuthur on 22/06/12. On the same day the seminar hall and project lab with Dept. library was inaugurated by our Principal, Dr. Gylson Thomas and Administrator, Er. Thomas Mathew respectively.



UNIVERSITY RESULT

The eighth semester results of 2008-12 batch showed a pass percentage of 80% with the first place in the university.

NATIONAL CONFERENCE

A two day National Conference on Smart Technologies for Instrumentation and Control Engineering was jointly organized by Dept. of AEI and National Instruments, India. The programme was a grand success. The following resource persons delivered lectures.

| Resource person | Designation | Topic |
|----------------------------|--|-------------------------------------|
| Ms. Kanchan Bhakoo | Applications Engineer, NI, India | Graphic System Design using LabVIEW |
| Dr. Rajan Babu | HOD, NSS Engineering College, Palakkad | Non Linear Dynamics and Chaos |
| Dr. Gylson Thomas | Principal, JECC, Thrissur | Biomedical Engineering |
| Dr. Sashidharan Sreedharan | A.P, Dept. of EEE, Vidya Academy of Science & Technology | Intelligent controllers |

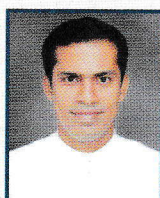
DEPARTMENT OF BASIC SCIENCE & HUMANITIES



We Spoke on 'Emerging Trends.....'



Fr. John Tharayil, Professor and H.O.D Basic Science Dept. spoke on "Parenting" at Jawaharlal College of Engineering, Lakkidi. FR. Roy Vadakan of The Department of Humanities and Basic Science conducted two FDP



FACULTY PUBLICATIONS



Drisy M. K. wrote a paper on 'Compression of FPGA Bit stream - A Comparison', published in Bonfring International Journal of Power Systems and Integrated Circuits, Vol. 2, Special Issue 1, Part 3, pp. 119-123.



Nyni K. A., wrote on 'Fovea Localisation in Fundus Image using Adaptive Morphology', and published Bonfring the International Journal of Advances in Image Processing, Vol. 2, Special Issue 1, Part 2, pp. 80-85.

She also wrote on 'Identification of Diabetic retinopathy in Fundus Retinal Images'. The article was published in the International Journal of Communications and Engineering, Volume 03- No.3, Issue 1, pp. 132-137.



Neethu Rose Thomas published a paper on 'Error Tolerant Modified Booth Multiplier for Lossy Applications', in the International Journal of Modern Engineering Research, Vol.2, Issue.3, pp. 1125-1128. Another paper was published by her on 'Error Tolerant Booth Multiplier for Lossy Applications', International Journal of Communications and Engineering Vol.3- 3, Issue:2, pp.40-45.

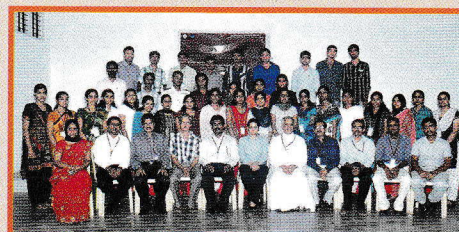


Neethu Anto A., wrote about 'Diagnosis of Alzheimer's Based on VBM Computing of MR Brain Volume', which was published in Bonfring International Journal of Advances in Image Processing, Vol. 2, Special Issue 1, Part 2, February.

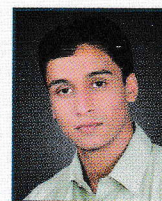
Another paper titled 'Diagnosis of Alzheimer's Based on VBM Computing and Histogram Thresholding of MR Brain Volume', was published in the International Journal of Communications and Engineering, Volume 3, Issue 1, pp. 138-142.



Roshni Roges, published a paper on 'Neural Network based Lung Cancer Diagnosis using PET/CT Images', in the proceedings of the National Conference on Computational Intelligence in Electrical and Electronics Engineering (NCIEEE 2012), Vol 2, pp. 323-326, March 1-2, 2012.



Programmes. The first one was on "Mentoring", held at the Basic Science Department and the other on "Understanding Teacher hood", conducted at the Department of Electrical and Electronic Engineering. Sandeep Narayanan, A.P. published a paper on "Connectivity in a Fuzzy Graph and its Component", in the journal General Mathematics Notes. Dr. Usha Menon spoke on "Current literary Theories" at the inaugural ceremony of the literary society at Vimala College, Thrissur. She also spoke on Communication Skills at the AIE Dept at jecc Dr. Usha Menon attended the course conducted at Trivandrum by Infosys. She attended the Business English course at Adisankara College in Kalady. She presented a paper at CUSAT University on "Employability of Engineering Graduates from Self Financing colleges"



PLACEMENT NEWS

JECC saw a new campus partner when UST joined hands with us at a lively function conducted at the college auditorium on the 27th of July 2012.

Training programmes included aptitude sessions for the sixth semester by S. B. Global in June and Btech Guru online training for the fifth semester which is ongoing. The third semester students are doing an on going course in Business English which is conducted in tandem with Infosys. A session to prepare the seventh semester students for immediate recruitments to come was conducted by "Turning Point". An ongoing programme in communicative English is held for the faculty. Yet another informative session was held by "Science Direct" to enhance faculty skills on resourcing E-Journals.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CSE Staff Activities



Department of Computer Science organized a 2-day National Workshop on "Computational Intelligence" on 24th and 25th January 2012.

Prof. Muralee Krishnan delivered an invited lecture on "Creative Thinking" on 15/01/2012 at FCRI, Palakkad.

Ms. Fousiya K.K of CSE Department published a paper titled "Combination of Dimensionality Reduction Techniques for Face Image Retrieval", in the International Journal of Computer Applications, February 2012, Foundation of Computer Science, Newyork, USA.

IEEE organized 2012 Fourth International Conference on Electronics Computer Technology

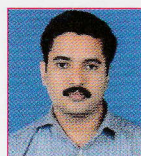
(ICECT 2012) accepted a paper titled "A Combined



Projection Method for Face Image Retrieval" of Ms. Fousiya K.K of CSE Department. Mr. Thomas George (CSE) & Mr. Vinod (TBI) attended four day workshop on "Deep Dive Faculty Development Programme on J2EE frameworks " from 6th to 9th December 2011 in SCMS School of Engineering & Technology, Ernakulam.

Mr. Viju Shankar of CSE Department published a paper titled " Predictive-based Adaptive Switching Median Filter for Impulse Noise Removal Using Neural Network-based Noise Detector" in Signal, Image and Video Processing (SIViP) of International Journal Springer- Verlag 2012.

Ms. Sreeja Rajesh of CSE Department presented a paper titled "Application Layer DDoS attack for popular website", in International Seminar on Wireless Communication, Mobile Computing & Emerging Technology.



Staff Joined

Mr. Sujith joined as System Administrator in the college on 16/04/2012.



Students Activites

Achievements

Dessy Davis & Rehana C of S8CSE received the first prize in Paper Presentation act Vega 2012, (Techfest held at Vidya Academy of Science & Technology)

Able Joseph & Sreelakshmi of S8CSE got placed in South Indian Bank as Prob. Officer (Scale 1)

Computer Engineering Students Association (CESA)

The inaugural function of CESA for the year (2012-2013) was organized on 6th July 2012, Friday at 11.00 am in the seminar hall EAB. The Chief Guest of the day Hiran Venugopal (CEO Ubiquio, CTO SaltMangoTree), Palakkad delivered key note address. CESA conducted talk on "Micro Manufacturing of Integrated Chips" by Mr. Hari Krishnan Pisharady, Asst. Professor, dept. of ECE for CSE students.



DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING



MERIT AWARD PRESENTATION

ECSA organized a function honouring Ms. Vidhya P. (University 1st Rank holder ECE 2011 Batch) on 13th April 2012. Prof. P Sukumaran, Head of the Department awarded the Gold Medal. Class toppers and winners of extracurricular activities were also presented with certificates and mementos for their achievements during the academic year 2011-2012

STAFF ACHIEVEMENTS / ACTIVITIES

PAPER PUBLICATIONS IN INTERNATIONAL CONFERENCE

Asha PA (Asst. Prof) presented an IEEE paper titled "Design & Development of Ultrasonic MEMS Level Sensing System for Liquid and Solid Surfaces" in the International Conference on Data Science and Engineering (ICDSE-2012) held at CUSAT, Cochin on 18th - 20th July 2012.



Ms. Asha P. A.

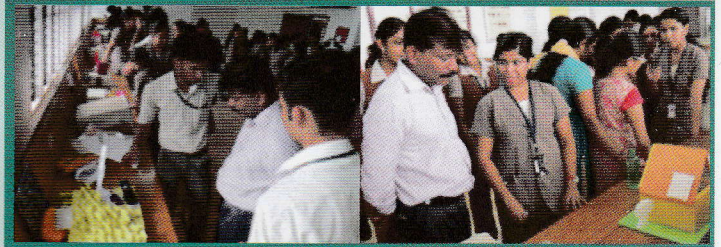
PARTICIPATION IN SEMINARS/FDPs/CONFERENCES

1. Mr. Dipin Krishnan R (Asst. Prof.) & Mr. Abin Johns Raju (Asst. Prof.) & Mr. Jobin Varghese (Lect.) attended a Faculty Development Program on Mobile Communication organized by Dept. of IT, JECC, on 16th March 2012.
2. Ms. Dhanya P Prakash (Asst. Prof) & Ms. Bindu K Rajan (Asst. Prof.) attended the National Conference on Smart Technologies for Instrumentation & Control Engineering organized by Dept. of AIE, JECC on 21st March 2012.
3. Ms. Rajalakshmi C B (Lect.) attended the International Conference on Smart Grid organized by JECC on 23rd March 2012.

STUDENTS ACTIVITIES / ACHIEVEMENTS

ECSA 2012 INAUGURATION

CSA organized a set of events to improve the professional skills of the students of ECE (S3, S5, S7) including Aptitude test, Group Discussions, and Best Mini Project presentation on the 22-08-2012.



HOBBY CIRCUIT EXHIBITION

ECSA organized an exhibition of Hobby Circuits implemented by S5 students of ECE on 14th September 2012.

SOFTWARE DESIGNED

Mr. Akhil Lawrence of S7 ECE designed and implemented a Software for creating Student Project groups with a provision to choose group mates based on students' individual preference, he used Set theory for developing the algorithm. Each student was given a Username and Password for using the software through the Web Interface and they were asked to choose their group mates with preference among all the students in their class. He also designed and implemented another software for Academic Project Management

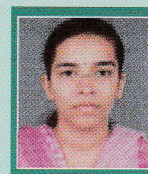


Mr. Akhil Lawrence

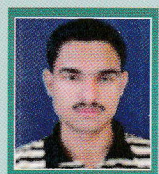
WINNERS OF PAPER PRESENTATION CONTEST



Mr. Naveen G



Ms. Marymol Jose



Mr. Charles Andrews E

Mr. Naveen G, Ms. Marymol Jose & Mr. Charles Andrews E of S8 ECE (2008-2012) won the 1st, 2nd and 3rd Prizes respectively in the paper presentation contest held in Advaya 2K12 Techfest at Malabar College of Engineering on 13th March 2012

GATE QUALIFIED

Ms. Sruthi K H of S8 ECE (2008-2012) qualified the General Aptitude Test in Engineering (GATE - 2012) with a score of 27.



Ms. Sruthi K H

INDUSTRIAL TRAINING

Mr. Roni Jose George (S7, ECE), Mr. Umesh Unni P (S5, ECE) underwent 10 days industrial training in ITI Palghat from 24th August to 3rd September.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Department Achievements

a) A 3-day ISTE sponsored short term course on "Emerging Trends in Power Electronics and Systems" was conducted in the college under the auspices of EEE on February 1st, 2nd, 3rd 2012. The function was inaugurated by Er. Christo George, CMD, Hykon India Pvt Ltd.



Smt. Tessy Thomas, Scientist (G), Project Director (Agni), DRDO, Hyderabad.

c) The Inaugural Ceremony M. Tech Degree (Power Electronics) Program was held on 16.08.2012. The Chief Guest of the day was Dr. S. Ashok, Professor, NIT, Calicut.

Faculty achievements

1. Ms Aathira K.V received an 'Outstanding student volunteer Award' from IEEE IAS SB chapter of RIT Kottayam for her contribution to the IEEE IES SB chapter during the year 2010-2011.
2. Ms. Lima N T, Lecturer, EEE (89.58%) and Mr. Kannan M, AP, EEE (93.47%) qualified in the GATE 2012 Examination.

b) Activities of the Association of Electrical & Electronics Engineering (AEEE) for the academic year 2012-2013 were inaugurated in the Forenoon on 18/02/12 by



Students Achievements

The following students from the Dept. of EEE qualified in GATE 2012 Examination Conducted by IIT, Delhi as per the results published on 15.03.2012 : Mr. Arakkal Vibson Varghese (94.99%), Ms. Aleena Augustine (94.45%), Ms. Fincy Francis P (94.45%), Mr. Williams K Francis (94.45%), Ms. Mary Helna Muttath (92.97%), Mr. Joshy Jose (92.67%), Ms. Anjaly Anto (90.37%), Ms. Nithya K (90.37%), Mr. Ajeesh K P (90.37%) & Ms. Greeshma Chandran (89.8%).

Tour on Environmental Studies

1. On 29-03-2012 50 students of S4 EEE (2010 Admissions) visited KFRI and Peechi Dam as a part of the Environmental Studies programme. They were accompanied by Mrs Reshma Raj and Mr Vineeth V.V of EEE Department

Seminars/Workshops/Conferences Attended

1. Mrs. Anu Sunny, Mrs. Reshma Raj, Mrs. Jitha Joseph, Ms Aswathy Rajan, Ms Lima N.T attended an International Seminar on 'Advances in Smart Grid Technology' conducted by Jyothi Engineering College on 23rd March 2012.



DEPARTMENT OF INFORMATION TECHNOLOGY

Result Analysis

The pass percentage of the 2008-12 batch is 93.10. The IT Dept. of Jyothi stands Second in the University

FDPs

Department of Information Technology in association with BSNL organized a two day National Level Faculty Development Programme on Mobile Communication during March 16 & 17, 2012. Mr. K L Jairam, General Manager, BSNL Palakkad, inaugurated the session. An industrial visit to BSNL MSC Thrissur was also organized as a part of the FDP.

Workshop on Android Application Development

The Department of Information Technology in association with IEI organized a two day Workshop on Android Application Development by ARK Techno solutions, Mumbai for students

during March 27 & 28, 2012. A batch of more than 60 students including external participants attended the workshop.

Industrial Visit

S4 IT visited Peechi Dam on 24th March 2012 as a part of Environmental Studies.

Social Service

S7 & S5 students of IT department visited 'Attappadi Social Service Organization' (ASSO) and contributed 175 Tiffin carriers to the Govt ASSO U P School. A familiarization class regarding the applications of the



computer was conducted. Students constructed a tank for promoting rain water harvesting in the rural area of Attapadi.

Gate 2012

Score of IT Students at the GATE Exam

| | |
|--------------------|-------|
| Ms Marya Sangeetha | 96.22 |
| Ms Vidhya Rose | 93.69 |
| Mr Naval Ditto | 85.23 |
| Ms Dhanya Pious | 89.1 |

Ms Babitha U.B, Lecturer, IT Department secured Gate Score of 89.95 percentile in Gate 2012.

Merit Awards (18th Feb 2012)

Merit awards were given to Ms Deepthi Damodaran of (2006-10) batch, Ms Tinku Thomas of (2003-07) batch and Ms Drisya M of (2005-09) batch for securing the first, third and fourth ranks respectively in the University of Calicut.

FDP attended

- Ms Diana Davis and Ms Rigi C R attended a FDP on Emerging Trends in SCIENCE AND Current Affairs conducted by the BSH Department in association with ISTE chapter of our college during 6th-7th Feb 2012
- Ms Anu Joseph attended Short term Course on Emerging Trends in Power Electronics & Systems conducted by the EEE Department of our college during 1,2,3 -feb-2012.
- Mr Bineesh M attended a 2 week Workshop on Network Programming and Security Engineering by C-DAC at JNTU Hyderabad.
- Ms Rigi attended one week Campus Connect FEP by Infosys at Technopark, Trivandrum

Association Inauguration

IT students association 'ITEA' was inaugurated on 27th July 2012 by Mr. Subhash Parameswaran Head 3S Collaterals team (US Technologies). Principal Dr. Gylson Thomas, Mr. Joseph K. C. - Asst. Manager-Campus Relations & Smitha Rose - Software Engineer & alumni from Jyothi also attended the function.

Cash awards were distributed to toppers of S5 and S7 IT



DEPARTMENT OF MECHANICAL ENGINEERING



GENERAL

- ◆ Prof. K.C. John took charge as HOD on 1st August 2012.
- ◆ The Dept. stands first in 8th Semester University Results-2012.
- ◆ An Environmental Study Tour was conducted for S4ME students on 28th March 2012.
- ◆ A Faculty Development Programme (Internal) on "Teaching and Learning Process" held during 20-21st April 2012. Participants also visited SIFL, Athani for industry interaction.



STUDENTS

- Mr. Akhil Vincent, S4ME got first prize in LAN Gaming MW held at METS Mala. He also got 3rd prize in Gaming held at Viswa Jyothi College of Engineering, Moovatupuzha.
- Mr. Durga Das. M of S8ME presented a paper "Study of pressure sensitive paint for advanced aerodynamic testing" at Vibhavana Tharang-2012 held at Jyothi Engineering College.

- Mr. Sankararam. T, Anish raj. K of S8ME presented a paper entitled "An Experimental Performance study of vortex tube refrigeration system" at Vibhavana Tharang-2012 held at Jyothi Engineering College.
- Mr. Ajith Xavier of S4ME presented a paper "Next generation fuels" at Vibhavana Tharang-2012 held at Jyothi Engineering College.
- Ten students from S5ME attended Industrial Training at FACT, Eloor from 25th August 2012 to 31st August 2012.
- Seven Students from S5ME underwent Industrial Training at RUBCO, Kottayam from 25th August 2012 to 31st August 2012.
- Eleven Students from S5ME underwent Industrial Training at BILDON Industries Coimbatore, Tamilnadu from 25th August 2012 to 31st August 2012.

FACULTY

Mr. Christy V Vazhapilly and Mr. Vineeth P Babu participated in the National Conference on Smart Technologies for Instrumentation and Control Engineering held at Jyothi Engineering College during 21st - 22nd March 2012.



Mr. Larry Liston attended a short term course at NIT Calicut based on Research Methodology on 16th June 2012.



Faculty environmental study tour to Kumarakom was conducted on 07.07.2012.