

## ENVIRONMENTAL ISSUES IN PRODUCTION ENGINEERING

## YANTHRA 2010



An all India Seminar on "Environmental Issues in Production Engineering" was jointly organized by Mechanical Engineering Department, JEC and Institution of Engineers(India), Thrissur Local Centre.

Sri. K.R.Viswambharan, IAS, Hon. Vice Chancellor, Kerala Agricultural University inaugurated it on 19.11.2010. Dr. C.E.Krishnan, FIE, Chairman, Trichur Local Centre of the Institution of Engineers (India)

presided. Cdr.(IN Retd.) P. Suresh, Mg. Director, Steel Industrials and Forgings Ltd. delivered the key note lecture. Rev. Fr. Varghese Kuthur, Executive secretary & Finance manager, Dr. Viresh K Bahalalli, Chairman ERDB and National Council Member, Dr. N.G.Kuruhatty, Dr.Dilip Kr Sen, Dr.V B Panicker, FIE former principal of NSS College of Engineering, Palakkad, Prof.V.K. Lakshmanan Nair, FIE, past chairman Trichur Local Centre

offered felicitations. Dr.U.Lazar John, FIE Principal, welcomed the gathering and Dr. M.K.B.Nayar, FIE, proposed the vote of thanks.

12 technical papers were presented and discussed during the 2day seminar. Rev.Fr.Vargese Kuthur was the Chief Guest for the closing function. Er.Thomas Mathew, Administrator, Prof.C.Karunakaran and Dr.C.E.Krishnan, FIE spoke on the occasion.

Yanthra'10, the result of the unwavering determination of 180 students of mechanical branch of JYOTHI Engineering college was organized by AMES (Association of Mechanical Engineering Students) on December 10, 11 and 12 in Thekkinkadu Maidan Thrissur. The Expo was inaugurated by Worshipful Mayor of Thrissur Sri I.P. PAUL. Sri. Therambil Ramakrishan MLA and Bishop Raphael Thattil graced the occasion with their presence. The show comprised a technical exhibition and an automobile show. It included a project expo in which students from various colleges in Kerala participated. The engine mortuary showcased the anatomy of an automobile, ISRO (Indian Space Research Organization) stalls provided added attraction. A wide array of exotic cars and bikes were unveiled for the first time in Kerala: Masaratti, Suzuki Intruder etc. fascinated the visitors. Yanthra'10 included seminars on various topics including road safety awareness by ACTS, and Aircraft modeling, Air Show and a Robowar in which more than 15 teams participated.



## NATURA EXHIBITION

NATURA, the environmental forum, conducted an environmental exhibition in college premises on 19th November, 2010. The program was inaugurated by Chief guest Dr. L.G. Kurhatti.

A photo ALBUM on nature - "LA TIERRIA" by S5 CSE students, was released by Sri.K.R.Viswanbharan, IAS. Vice chancellor of Kerala Agricultural University.



## UNIVERSITY RANK HOLDERS 2010



Ms. Deepthi Damodaran of 2006-2010 Batch got first Rank in IT, Calicut University.



Ms. Asha Prabhu secured 4th rank in B.Tech- Applied Electronics & Instrumentation from Calicut University during 2006-2010.



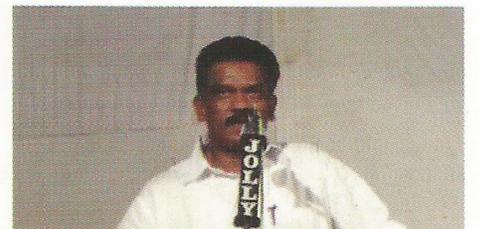
Ms. Indu M.T. got 5th Rank (External Total - 4062) Computer Science



Bharat Petroleum was the main sponsor, and the co-sponsors included Federal Bank, Shobha Developers etc. The show ended on Sunday December 12 in the presence of Hon. speaker K.Radhakrishnan.



COLLEGE UNION for the year 2010-2011 was inaugurated by Mar RAPHAEL THATTIL, Auxiliary Bishop, Thrissur on 12<sup>th</sup> November 2010. Cine artist MALAVIKA inaugurated the Arts Club on the same occasion.



## AEI DEPARTMENT

### AEISA INAUGURATED

Applied Electronics and Instrumentation Students Association (AEISA) activities for the academic year 2010 – 2011 were inaugurated by Mr. Alex P George, CEO, ALCOFASTENERS; and as a part of this two hour technical talk was given by him on 9th December 2010.

### CLASS TOPPERS



S1 & S2 – Ms. Sharon Davis – 8.28 (CGPA)  
 S3 – Ms. Aiswarya Subash Menon – 73.8 %  
 S5 – Ms. Shaly Laurence – 81.33 %

## WORKSHOPS AND TRAINING PROGRAMS



Niyas Ali Nidhin Joe Kuttikkat Ponmani Raja Sangeetha C.A. Ambily Francis Mohd. Abdul Rahman

- 1) Mr. Niyas Ali, Second Year student, attended a youth leadership camp 'ALTIUS' organised by World Malayali Council held at Peechi, Thrissur from 3rd September to 5th September 2010.
- 2) Mr. Nidhin Joe Kuttikkat, Assistant Professor, attended a four day workshop on TEACHING AND LEARNING VLSI DESIGN - A SIMULATION BASED APPROACH organized by Dept. of ECE, Amrita Vishwa Vidyapeetham, Coimbatore & IETE Coimbatore Centre from 1st December 2010 to 4th December 2010 in VLSI design centre of Amrita Vishwa Vidyapeetham, Coimbatore.
- 3) Mr. Nidhin Joe Kuttikkat, Assistant Professor, attended a one day workshop on ARM Processors, jointly conducted by M/s

Innovative Software Solutions Private Limited, Koramangala, Bangalore and Govt. Engineering College Thrissur, Kerala on 27th November 2010 at Govt. Eng College Thrissur, Kerala.

4) Mr. Ponmani Raja, Assistant Professor, Ms. Sangeetha C.A., Lecturer, and Ms. Ambily Francis, Assistant Professor attended an All India Seminar on Environmental Issues in Production Engineering organised at Jyothi Engineering College, Thrissur in association with the Institution of Engineers, Trichur Local Centre.

5) Mr. Ponmani Raja, Assistant Professor, and Mr. Mohammed Abdul Rahman, Assistant Professor, attended a National workshop on Signal Processing at Jyothi Engineering College, Thrissur during 26th – 27th of September 2010.

## INTERNATIONAL PAPER PRESENTATION



Mr. Hari C.V., Assistant Professor, published a research paper "Performance Evaluation of Different Line Detection Algorithms" in an IEEE International Conference on Computer modelling and simulation (ICCMS 2011) held at Navichandra Mehta Institute of Technology and Development, Mumbai from 07th to 09th January 2011.

## COMPUTER ENGINEERING STUDENTS ASSOCIATION (CESA)

### STUDENTS ACHIEVEMENTS



Abel Joseph

Abel Joseph & Dinesh K. won 3rd prize in Paper Presentation in Oracle '10 conducted at Vidya Academy.

Abel Joseph participated in Paper Presentation at Sahrdaya Engg. College (Eminence'10)



Dinesh K.

Pratheesh was adjudged "Best Dancer" at program conducted by CAD center and he participated in dance competition by Medical College Thrissur. He won 2nd prize in Freakster (Valence'10, Jyothi Engg. College)



Pratheesh

### S7 STUDENTS

#### Nikhil Joseph:

- 1st in Management games held as part of Xtronicon.

- 1st in spot quiz held as part of Infosys Abhiyanthriki held in Rajagiri Engg. college.

- 2nd in treasure hunt held as part of Eminence in Sahrdaya Engg college.

- 3rd in Gaming in Infosys Abhiyanthriki held at Rajagiri Engg college.

#### Harikrishnan T. & Serin Paul:

- 1st in paper presentation held as part of Valence 2010 by department of Electronics and Communication of Jyothi engineering college.

- 1st in paper presentation held as part of Technocraft, a state level competition by CSI Students chapter of Vidya Academy.

- 2nd in Technical debate held



Nikhil Joseph



Harikrishnan T.



Serin Paul



Vineeth John

as part of Technocraft, a state level competition by CSI Students chapter of Vidya Academy.

#### Harikrishnan T.:

- Selected as "Best Manager" in Valence'10 at Jyothi engineering college.

- Won the Sunny Diamonds Ring award for the "BEST STUDENT" of Jyothi Engineering College 2010.

#### Vineeth John:

- 1st in Gaming FIFA at Rajagiri Engg college as a part of Infosys Abhiyanthriki.

- 1st in Gaming FIFA at Sahrdaya Engg college as a part of Eminence 2010.



CESA(Computer Engineering Students Association) has been conducting various student development programs during the academic year 2010. As the initial program of the association, the 2009 batch students were welcomed. Mr.Govindankutty, one of the founders of Thejus Networks addressed the gathering. He gave an informative talk on 'Computer Networks' to the CESA members. In the month of October, an introductory class on 'Robotics' was conducted by Mr. Sreekanth Madhav, Lecturer, Dept of ECE. The students were privileged to know about the new technologies and design processes of Robots. The practical implementation of a basic robot was illustrated before students using an Embedded kit.

A career development program on .Net was conducted by HCL. The faculties of HCL created an awareness among students about

### CLASS TOPPERS IN UNIVERSITY EXAMINATION



Rosmy C.Jose Malini K.Bhaskaran Rahana Chelikkattil

S1S2-Rosmy C.Jose (SGPA = 8.51)  
 S3-Malini K.Bhaskaran, Rahana Chelikkattil (Total % = 78.08)  
 S5-Raisa Varghese (Total % = 76.67)

Raisa Varghese

the .net framework which was helpful for the implementation of their academic projects. The members also had an interactive session by which they could get a clear idea about selecting their project area. On 9th December, a talk on 'Financial Applications' was conducted. The session was presided by Mr.David M who is a Software Engineer working in U.S. The students got a broad overview on financial and economic fields through this session.

### STAFF PARTICIPATION

- Ms. Aswathy Wilson, Asst. Professor presented a paper on Data Mining at Institute of Management & Technology, Thrissur.
- Prof. Muralee Krishnan HOD, CSE delivered an invited lecture at FCRI Palakkad, on Creativity and Entrepreneurship to International Participants during a Workshop on Advanced Management Practices.

## tbi@jec



tbi@jec has been set up in our campus to promote Innovation and Entrepreneurship by nurturing promising ideas in technology in various disciplines of science and engineering into products, processes and services for viable commercial exploitation for the benefit of society. The setup facilitates incubation of new enterprises with innovative technologies by admitting them into TBI and providing them with infrastructural, engineering and networking support and services. tbi@jec provides all kinds of support for technology-focussed entrepreneurs. It renders professional support from lawyers, accountants, marketers, and networking organizations and also renders assistance for the incubatees in the R&D process.

Currently tbi@jec is concentrating on developing an Entrepreneurship culture in our campus: • Entrepreneurship Development Cell in association with Technology Business Incubator (TBI) and Ministry of MSME (Govt. of India) organized "One Day Industrial Motivation Campaign" on Thursday, 11th NOV 2010. Mr. G S Prakash, Deputy Director, MSME-DI Thrissur, Mr. Rajagopala Rao, Assistant Director, MSME-DI Thrissur, Mr. Alex P George, MD, Alco Fasteners, Thrissur, Mr. Kenney Jacob, CEO, Ayrus Web Holdings were present during the program. Mr. Praveen T. Mathew, Consultant, Booz & Company, USA, a graduate of NIT Calicut, and an MBA from the prestigious Carnegie Mellon University talked on Business Opportunities in USA and India.



- Vysakh Anto of S7 CSE has secured 83.21 percentile
- Jisie David of S7 CSE has secured 77 percentile

## DEPT. OF ELECTRONICS AND COMMUNICATION

### NATIONAL LEVEL TWO DAY WORKSHOP



Dept. of ECE in association with ISTE chapter of JEC conducted a National Level Two Day WORKSHOP on SIGNAL PROCESSING on 26th and 27th November 2010. The event was inaugurated by Er. K.Balan, former MD, KELTRON. The first session was by Dr. Sheeba V.S., Professor & HOD, Govt. Engineering College, Sreekrishnapuram. It was followed by sessions on MATLAB by Prof. Naushad V. Moosa A.P., Dept. of AEI Royal College of Engineering & Technology, Evolution & Application of D.S.P. by Mr. Shoukath C Scientist / Engineer 'C' DOEACC Centre Calicut. He also conducted Hands on session.

### CONFERENCES & WORKSHOPS ATTENDED

● Ms. Sindhu. S, Asst Prof., attended DTE sponsored STTP from 4th to 9th Oct 2010 at GEC, Thrissur.



● Ms. Shiny M.I., Asst. Prof, attended a Workshop on "Teaching and Learning VLSI Design" organized by Amritha Viswavidyapeetham on 1-4 December 2010.



She also presented a paper at Amal Jyothi Engg College- ICACC 2010 on the topic on 4th May 2010.

### TECHNICAL TALKS:

Mr. Sreekanth. M, Asst Prof, gave Talks/Invited Lecturers in the following Institutes:



- 1) A talk on "Serpentine Locomotion Systems" at Govt: Engineering College Thrissur, on 15th November 2010.
- 2) An interactive session on "Robotics & LEGO Mindstorm" on 20th November 2010 at MES College of Engineering, Kuttippuram, Kerala.

### VALENCE'10



Electronics & Communication Students Association organized VALENCE'10, a national level tech fest on 3rd and 4th Dec 2010. The event was inaugurated by Prof. K.A.Navas, Asst. Prof, GEC, Thrissur. Sumo Robot competition-the war among robots, was the highlight of the fest. The other events were Paper Presentation, Project Demonstration, Treasure Hunt, Best Manager, Technical Quiz, and Circuit Designing.

### MAT SCORES



Dilin Anand, Harikrishnan. P, Aagesh Paul, Sangeetha Menon, Shiya Andrews

### ACHIEVEMENTS BY STUDENTS

Akhil Lawrence of S4 ECE designed and successfully implemented an online scoreboard for Kunnamkulam sub district school kalolsavam organized by educational dept of Kerala.



The following Students of S5 ECE won various prizes in ADVAITHA – Tech Fest conducted by Sahrdaya College of engineering & Technology, Thrissur.

First Prize in Art Attack: 1) Charles Andrews, 2) Jithin Jose, 3) Ajayaraj. V, 4) Ajith. P.J.

First Prize in crux Panel: 1) Varun Jacob, 2) Tinto Joy, 3) Justin Johnson

Second Prize in Power Play: 1) Charles Andrews, 2) Jithin Jose, 3) Ajayaraj V.

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG

### S5 INDUSTRIAL VISIT

58 students of S5 EEE visited Diesel Power Plant, Nallalam, Kozhicode on 11 November, 2010.



Association of Electrical & Electronics Engineering was inaugurated for the year 2011, by Dr. Thomas Philip, PGM, BSNL Thrissur on 15/12/10. The meeting was presided by Prof. Abdul Hameed, HOD, EEE Dept. PGM interacted with the students.

### PLACEMENT

During UES-20 (Army Recruitment) at MES Engg College, Kuttippuram. 16 students from EEE attended the program. Ashis R, Sanjeev Gopinath, Nidheesh K Chandran and Merin Jarardh were shortlisted for further SSB interview.

### JYOTHI EEE RIGHT AT THE TOP IN CALCUT UNIVERSITY EXAMS.

Calcut University examination results of S3 (2008 admission) placed EEE of Jyothi right at the top of all branches of engineering in the university.

### STUDENTS ACHIEVEMENTS

Ms. Greeshma Chandran (S5 EEE) won third prize for paper presentation at Vidhya Academy of Science & Technology, Thrissur on 12th Oct 2010 in the 'International Day for Ozone Layer Protection 2010' sponsored by Kerala State Council for Science Technology & Environment, Trivandrum.

### S7 (2007 ADM) INDUSTRIAL TOUR

50 students S7 EEE had their Industrial Tour from 20/10/10 to 27/10/10. Industries visited: 1. Crompton Greaves, Mumbai. Sightseeing: Elephant Caves & Gateway Mumbai, Agoda Fort, Vangadhur beach & St. Francis Church Goa.

### FACULTY DEVELOPMENT PROGRAMS/ COURSES/CONFERENCES/SEMINARS

- 1) Mr. Prasad. C and Mr. Kannan M. participated ISTE sponsored STTP on 'Electrical System Design' from 8/11/10 to 13/11/10 at Mar Baselious College of Engg & Technology, Nalanchira Trivandrum.
- 2) Mr. Vineeth and Ms. Lima participated ISTE sponsored Two Day Workshop on 'Image Processing' from 26/11/10 to 27/11/10 at Jyothi Engineering College, Thrissur.
- 3) Ms. Aswathy Rajan participated in the IEL sponsored Two Day National Seminar on 'Environmental Issues in Production Engineering' at Jyothi Engineering College, Thrissur.
- 4) Ms. Anu Sunny participated in the DTE sponsored STTP on 'Research Methodologies and Quantitative Techniques with Software Applications' from 29/11/10 to 4/12/10 at Govt. Engg College, Thrissur.

### FACULTY RELIEVED/POSTED

Ms. Lima joined as lecturer in EEE Dept on 26/10/10.

Mr. Sankaran Namboothiri K joined as Asst. Professor in EEE Dept on 15/12/2010.

## CLEANLINESS DAY



Jyothians celebrated Gandhi Jayanthi by cleaning Wadakanchery Taluk Hospital premises on 2nd October 2010. Mr. Kannan, Asst. Professor, EEE and Ms. Aswathy Wilson Asst. Professor organised the programme.



## IEEE ACTIVITIES



### WIE WEEK CELEBRATION

ENIGMA, fourth day of WIE Week Celebration by hub 4 was hosted at JEC on 07th Oct 2010. The function was inaugurated by Mrs. R. Gayatri Nair, Deputy Chief Engineer, KSEB and Project Manager, KDPP. The inaugural function was followed by a technical talk on FREE SOFTWARE by Prof. Raju. C. K, HOD of IT Dept. MESCE, Kuttippuram. The next session was

an INTRODUCTION TO ROBOTICS by Mr. Sreekanth. M, Lecturer, JEC. In the afternoon session, Dr. V. Kumar, Scientist, C-MET, Govt. of India, Thrissur gave a talk on NANOTECHNOLOGY.

### Seminar on 'DISASTER MANAGEMENT IN INDIA'

A seminar was conducted by Prof. E. Karunakaran, Dept of Mechanical Engineering, JEC on the topic 'DISASTER MANAGEMENT IN INDIA' on 29th Oct 2010.

### GROUP DISCUSSION

A Group Discussion was arranged for the members of IEEE by Prof. Natarajan, Placement and Training officer on 24th Sep 2010



### INDUSTRIAL VISIT TO C-MET

### CHARITY VISIT

A few members participated in "SPREAD THE SMILE", a charity event organized by WIE in HUB-4 at Mar Thimotheus orphanage, Thrissur on 24th Oct 2010.

**FACULTY DEVELOPMENT PROGRAMS/  
COURSES/CONFERENCES/SEMINARS**

● Ms Babitha U.B. & Ms. Sindhu C attended a two day workshop on 'Digital Signal Processing' organized By ISTE Chapter & ECE department, Jyothi Engineering College. ● Ms. Babitha U. B. attended an All India seminar on Environmental issues in Production Engineering organized by IEI & ME department, Jyothi Engineering College.



● Mr. Unnikrishnan P. published a paper 'A Novel Approach for English to South Dravidian Language Statistical Machine

Translation System' in International Journal for Computer Science and Engineering (IJCSE).

**STUDENTS**

● Students of Seventh semester IT department participated in Technical fest 'Xplora 10' organized by Chinmaya Mission College, Thrissur and got prizes.



Beauny Antony, Pravitha Varghese, Anu N. Raphael, Helen Rose Varghese

**IT DEPARTMENT**

**PAPER PRESENTATION**

1) BEAUNY ANTONY & PRAVITHA VARGHESE – FIRST PRIZE, 2) ANU N. RAPHAEL & HELEN ROSE VARGHESE – SECOND PRIZE,

● DON PETER & AJAY GEORGE of S4 got first prize in Quiz competition, conducted as part of CSI Inauguration. ● A group of students created a model of carbon cycle as a part of Natura Exhibition for All India seminar on

Environmental issues in Production Engineering. ● ITEA organized one day seminar on Cloud computing with Ranjit, HCLThrisuur as resource person. ● ITEA organized one day workshop on Introduction to Java Applet Sri Ajith Prasad Anand, Senior Architect, CMC, Ottapalam, was the resource person. ● ANU JOSEPH of S7 IT scored highest mark in Fifth semester University Exams with an aggregate of 65%. ● VYDEHI A B of S5 IT scored highest mark in Third Semester University Exams with an aggregate of 70%

**D ZONE**



Students actively participated in the D-ZONE competitions held at Thrissur Govt. Law College & Panapilly College, Chalakudy from 17th to 22nd December, 2010. Jyothi stood 2nd in OFF STAGE events.

**ANASWARA** (S5 CSE) won 1st prize in Sanskrit essay writing, 2nd prize in Sanskrit story writing and 3rd prize in Sanskrit elocution.

**ASWINI CHACKO** (S4 CSE) won 1st prize in TAMIL STORY WRITING, 2nd in TAMIL VERSIFICATION, 3rd in TAMIL ESSAY



Anaswara Aswini Chacko Sruthi M.

**WRITING**

**SRUTHI M.** (S5 ECE) won 1st prize in Sanskrit essay writing.

**VARUN DAS** & party won 2nd prize in western group song competition.

**ARUN PRASHANT** (S7 ME) won 2nd prize in STRING WESTERN (GUITAR)

**BASIC SCIENCE AND HUMANITIES**



Aji A.J.

**PAPERS PRESENTED**

Aji A.J., A.P. presented a paper on Nano-pollution at Jyothi Engineering College Thrissur ● Presented a paper on e waste management at Kerala Agricultural University Mannuthy ● Presented a paper on UPQC at St. Joseph's college Pala

**FACULTY DEVELOPMENT PROGRAMS**

● Ms. Priya Jose participated in AICTE sponsored STTP/QIP on 'Energy, Environmental, Bio medical applications of Nanomaterials' from 21/09/10 to 25/09/10 at IIT Madras ● Ms. Jasmin Jose, Ms. Minu Jose K, Ms. Aji A J participated in the IEI sponsored Two Day National Seminar on 'Environmental Issues in Production Engineering' at Jyothi Engineering College, Thrissur.

**MSGR RAPHAEL VADAKKAN  
FELICITATED**



The entire college felicitated Msgr. Raphael Vadakkan on the feast of his heavenly patron on 29th September, 2010. Rev.Fr.John Tharayil spoke on the occasion.

**CALICUT UNIVERSITY RANKS  
MECHANICAL ENGINEERING**



Sandeep R. 2nd Rank Arun Pooleery 4th Rank

**SYNERGY**

A team of students participated and won 3rd prize in SYNERGY DANCE COMPETITION conducted @ REGIONAL THEATRE on 19th November 2010.

**CHRISTMAS DAY CELEBRATIONS**

Christmas celebrations of the college were held on 23rd DECEMBER, 2010 with a Christmas message by Fr.Davis Pullikottil, Vicar St.Mary's Forane Church, Chelakkara. Cutting of Christmas cake was done by the guest accompanied by Rev.Fr.Varghese Kuthoor, Principal U.Lazar John & Chairman Mr.Shelin.

THEY wished the Jyothi family a MERRY CHRISTMAS & a happy new year. Program was enriched by Carol songs & Santa Claus by students with distribution of cakes to all.



**MYLANJJI!**

*Monchu*

A mehandi competition was conducted on 16th November, 2010 as part of Bakrid celebrations.

Office Spdt. Mr. Haridas & Prof. Girijan distributed prizes.

