



JYOTHI ENGINEERING COLLEGE

CHERUTHURUTHY, THRISSUR

JECC NEWS

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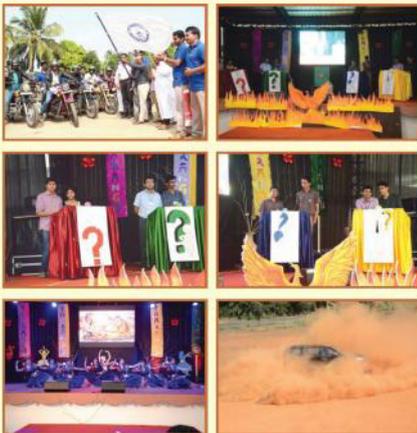
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THARANG

The annual Tech-fest of Jyothi Engineering College-Thrang'15, of the current academic year was conducted on 23rd and 24th of Jan. 2015. Calicut University Pro Vice chancellor Prof. Raveendranath K. inaugurated the



programme on 23rd Jan. 2015. Students from different parts of the state took part in various events. The two day festival



witnessed 33 events. Among these, five were organized at college level and the remaining events were designed and executed at respective departmental levels. Tharang'15 witnessed the launch of **Astrajyothi**, the mega quiz designed for

higher secondary students all over the state. Home Minister Sri. Ramesh Chennithala released Astrajyothi brochure and Mar. Raphael Thattil inaugurated the preliminary round of the quiz. **Asianet Kurushkethra** quizmaster Mr. Charles Andrews moderated the final round of the Astrajyothi on 23rd Jan. 2015. The winners of the quiz are

Mr. Shyam K. Pisharody & Mr. Anand Thomas, HarisriVidya Nidi School, Thrissur

Mr. Nikhil Sajjan & Mr. Joseph C Steephen, Don Bosco Higher Secondary School, Mannuthy.

Mr. Rohit Mathew & Mr. Binu Thadhagath M P, Nirmala Matha Central School, Thrissur. Ms. Deepthi T R & Mr. Gokul Krishna N, Bhavans, Pottore.

They will be given a chance to study free for the B. Tech Degree at Jyothi if they also fulfill the Govt. conditions for Engineering students.

In order to impart awareness about road safety, a bullet rally was organized from Thrissur to Jyothi Campus. Deputy Transport Commissioner Mr. V Sureshkumar Flagged off the rally and RTO (Enforcement) Mr. C. K. Asokan spoke at the event. At end of the rally Motor vehicle inspector Mr. Ramesh M highlighted the need for road safety. An inter collegiate dance competition 'Nrihya' was held in the after-noon of 23rd Jan. 2015. A total of 12 participants from 11 colleges participated. On the next day a colorful event-Band show, 'Thamarasserychuram' entertained the audience.

SRISHTI 15

SRISHTI was an extension of **Tharang** tech fest held at Jyothi Engineering College. 15 colleges participated presenting 40 projects in the circuit and non-circuit divisions. In the former Vidya Academy of Science & Technology and



Jyothi Engineering College stood first and second respectively. In the latter division Malabar College of Engineering and Royal College of Engineering & Technology stood first and second respectively



UNION INAUGURATION



Student's Union-'15 was inaugurated by Ms. Pearle Maaney VJ, television anchor and actress on January 30, 2015. Executive Manager Fr. Jos Punnoliparampil, Administrator Er. Thomas Mathew, Principal Dr. K. K. Babu felicitated the new Students Union.

CIVIL ENGINEERING

Ms. Nirmala M and Ms. Jisha Akkara were given training on STAAD by interCAD Ltd.

Prof. Cyriac M.G, Ms. Anitha Jacob and Ms. Neeraja P.G were given training on PRIMAVERA by Adroit Solutions Ltd.

A Three day workshop on 'Total Station Surveying – Theory and Practice' was conducted by the department jointly with Leica Geosystems, TVM between Feb 26-28. Beneficiaries of the program included, candidates from Irrigation, KWA, private surveyors and faculty from engineering colleges and poly techniques. Dr. Anitha Jacob and Ms. Nirmala M coordinated the workshop.



Ms. Sinu C G attended a Training program on 'Cost Effectiveness in Building Construction' conducted by the Architecture department of GEC Thrissur.

Ms. Anitha Jacob received the Best Road Research Paper award of Indian Roads Congress, instituted by Bihar PWD for the research paper on rural road safety.

Mr. Abhishek, Mr. Jackson Shajan, Mr. Hebin and Mr. Manu Paul of S4 CE won first prize in Treasure Hunt competition conducted by VAST.



Ms. Sinu C. J.



Ms. Anitha Jacob



Mr. Abhishek



Mr. Jackson



Mr. Hebin



Mr. Manu

Mr. Abhishek and Mr. Manu Paul have won First Prize in the Theodolite Survey Competition conducted at VAST.

Mr. Abhishek, Mr. Jackson Shajan and Mr. Hebin of S4 CE won second prize in a survey competition conducted by Thejus Engineering College.

SPORTS DAY WINNERS

Ms. Dincy T. S. of S4 Civil has won First Prize in 100 m and 400 m race and Second Prize in 200 m race in the College Sports Day

Competitions. She is the Individual Sports Champion (Female). Ms.



Ms. Dincy



Ms. Jishma



Ms. Bency

Jishma Joy of S6 Civil secured First Prize in Discus Throw and Third prize in Shotput in the College Sports day competitions. Ms. Bency Joy of S6 Civil secured Third prize in Discus Throw and third prize in 400 m race in the Sports day competitions.

ARTS DAY WINNERS

Ms. Deepika P of S4 Civil won the second prize in Versification (English) in the College Arts Fest

Ms. Swetha C.V. of S6 Civil won the 1st prize in Pencil Drawing Competition

conducted as part of Arts Fest. I

Ms. Anci Devi of S6 Civil won the Third prize in Tamil Story Telling competition in the D-zone.

Ms. Asma T.H. won the second prize in Bharatanatyam and second prize in Malayalam Essay writing in the Arts Festival.



Ms. Deepika



Ms. Swetha

COMPUTER SCIENCE ENGINEERING

Student Achievements

The papers of six students of second year M.Tech were accepted for the Oral Presentation and those of four other students of the same class for poster presentation at the 27th Kerala Science Congress held at Alappuzha.

These

students mentored participants from GEC thrissur in the



Mr. Gijo Varghese



Mr. Jovis Joseph



Mr. Sanjo Simon

program

Launchpad and Open Fuel conducted by the college on 30th, 31st Jan & 1st Feb 2015 .

Prize winners at:

'Vyvidh 15' Vidya Engineering college on 13-14 Feb 2015.

Mr. Jovis Joseph of S6 CSE won the first prize in designing

Mr. Gijo Varghese of S6 CSE got the 2nd prize in designing and coding.

Mr. Ashith Wilson of S4 CSE A got the first Prize for the event Hardware Assembling in CSE Dept NSITE 2K15 which was held at Nehru College of Engineering & Research Centre on 4th and 5th of February 2015

Mr. Akash Thomas S4 CSE A got first prize for Mobile Photography in AD ASTRA 2K15 which was held at Don Bosco College, Mannuthy on 3rd and 4th of February 2015

Mr. Alfin Lawrence S4 CSE A got third prize in Crypt Analysis NSITE 2K15 which was held at Nehru College of Engineering & Research Centre on 4th and 5th of



Mr. Ashith Wilson



Mr. Akash Thomas



Mr. Alfin Lawrence

February 2015

Mr. Deen Shifaz of S4 CSE A attended a one day seminar on Enterprenuership on 26 February 2015 at Jawaharlal Nehru College of Engineering

Mr.Gijo Varghese and Mr.Jovis Joseph,S6 CSE won the first prize in Web Designing contest conducted as a part of tech fest at Thejus Engineering College, Vellarakkad, Thrissur on 11th March 2015.

Ms.Thasviya Haroon and Mr.Sanjo Simon, S6 CSE presented the project Interactive Learning Assistant using Augmented Reality at the project expo conducted as a part of tech fest at Thejus Engineering College, Vellarakkad, Thrissur on 11th March 2015

Mr. Akhil A.S, S8 CSE secured first position in Android "THE DEVELOPER" contest conducted as a part of tech fest at Thejus Engineering College, Vellarakkad, Thrissur on 11th March 2015.

Ms. Soorya, S8 CSE qualified for the GATE Examination 2015



Ms. Thasviya Haroon



Mr. Akhil A. S.



Ms. Soorya M.

Staff Achievement

Mr. Viju Shankar, AP, CSE qualified for the GATE Examination 2015

Paper Published/Presented

Ms. Tessa Jose and Ms. Thasviya of S6 CSE presented a paper on Alan Turing in a conference at Avanza'15- Inspiring Lives in Computer Science & Engineering held on 21st of February 2015 organized by the Department of Computer Science & Engineering, Albertian Institute of Science and Technology, Ernakulam.

Ms.Tessa Jose and Ms.Sneha Thomas, S6 CSE presented a paper on the topic Modern Trends in Computer technology at an event conducted as a part of tech fest at Thejus Engineering College, Vellarakkad, Thrissur on 11th March 2015

Ms. Niji Devassy, Mr. Sreenath V S8 CSE Students, Ms.Aswathy Wilson AP, CSE published the paper titled "Security using Armstrong Number and Authentication using Colour" in International Journal of Advanced Research in Datamining and Cloud Computing volume 3, issue 2, February 2015.

Ms. Pinky Paul M.Tech 2nd year , Mr. Thomas George AP, CSE presented the paper titled "An Effective Approach for Human Activity Recognition on Smart Phone " in IEEE International Conference on Engineering & Technology on 20th March 2015 at Rathinam Technical Campus, Coimbatore. Ms. Merin Jos, Ms. Shilpa George, Ms.Vinaya k Viswanath S8 CSE Students, Mr. Thomas George K AP, CSE published the paper titled "Mobitrack:a Comparative Study on Android Mobile Tracking" in International Journal of Advanced Research in Information and Communication Engineering Volume 3, Issue 2, February 2015.

Ms. Annmary John, Ms. Veena P V S8 CSE Students, Ms.



Mr. Viju Shankar

Jyothis T S AP, CSE published the paper titled "Comparative Study on Packet Filtering Mechanisms " in International Journal of Advanced Research in Information and Communication Engineering Volume 3, Issue 2, February 2015.

Ms. Soorya M, Mr. Joice Joseph, Mr. M K Arun S8 CSE Students, Ms. Jyothis T S AP, CSE published the paper titled "Datapacket Filtering Mechanism for Networks" in International Journal of Advanced Research in Information and Communication Engineering Volume 3, Issue 2, February 2015.

Ms. Jyothis P. Joy M.Tech 1st year , Ms. Jyothis T.S AP, CSE published the paper titled " Security For Smartgrid Communications" in International Journal of Engineering & Science Research Jan 2015/ Vol-5/Issue-1/66-70

Ms. Feon Jaison M.Tech 2nd year , Ms. Seenia Francis AP, CSE presented the paper titled "An Acknowledgement based Instruction Detection System for MANETS" in IEEE International Conference on Engineering & Technology on 20th March 2015 at Rathinam Technical Campus, Coimbatore. Mr. Sooraj Antony, Mr. Manu David S8 CSE Students, Mr. Anil Antony AP, CSE published the paper titled "Arduino Shield Based Energy Efficient- Globally Controllable Home Automation System" in International Journal of Advanced Research in Computer Science and Applications volume 3, issue 2, February 2015.

Ms. Neethu.K.S, Ms. Jisna C Kuriakose, Ms.Ann Maria Antony S8 CSE Students, Mr.Anil Antony AP, CSE published the paper titled "A Step Towards Better Home Automation using Different Wireless Technologies" in International Journal of Advanced Research in Information and Communication Engineering Volume 3, Issue 2, February 2015.

Mr. Arun K M.Tech 1st year, Ms. Rigi CR AP, CSE published the paper titled "Game Theoretic Approach for Network Security" in International Journal of Engineering & Science Research Jan 2015/ Vol-5/Issue-1/1-4

Ms. Shaleena M.Tech 2nd year , Mr. Shaiju Paul AP, CSE presented the paper titled "Data Mining Techniques for Predicting Student Performance" in IEEE International Conference on Engineering & Technology on 20th March 2015 at Rathinam Technical Campus, Coimbatore.

Ms. Anna Varghese, Ms.Roshmy George, Ms.Swathi Anil S8 CSE Students, Mr. Shaiju Paul AP, CSE published the paper titled "Comparitive Study on Internet Radio using Raspberry Pi" in Journal of Environmental Science, Computer Science and Engineering & Technology March 2015-May 2015; Sec. C Vol.4.No.2, 201-206.

Mr. Abin Roy , Ms. Anna Varghese, Mr. Joel Raju S8 CSE Students, Mr. Shaiju Paul AP, CSE published the paper titled "Next Generation Internet Radio" in Journal of Environmental Science, Computer Science and Engineering & Technology March 2015-May 2015; Sec. C Vol.4.No.2,135-139.

Ms. Gowri Prasad M.Tech 2nd year , Ms. Fousiya K K AP, CSE presented the paper titled "Named Entity Recognition Approaches: A study applied to English & Hindi Language" in IEEE International Conference on Circuit , Power & Computing Technology 2015 at Noorul Islam University, TamilNadu.

Mr. Bobin jose, Mr. Jerrin James S8 CSE Students, Ms. Fousiya K K AP, CSE published the paper titled " A Method for

Automatic Caption Generation of Images" in International Journal of Advanced Research in Datamining and Cloud Computing volume 3, issue 2, February 2015.

Ms. Gayathri A, Ms. Christina Chacko S8 CSE Students, Ms. Fousiya K.KAP, CSE published the paper titled "Automatic Caption Generation for Images: A Review" in International Journal of Advanced Research in Computer Science and Applications volume 3, issue 2, February 2015.

Ms. Seethal S, Ms. Sahana PS, Ms. Neena S of S6 CSE presented a paper titled "Web proxy Distributed Denial of Service attack detection by Hidden Markov Model" in the "International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27th & 28th March 2015

Ms. Indhu Ashok, Ms. Ramya K of S6 CSE presented a paper titled "Intrusion detection using neural network" in the "International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27th & 28th March 2015.

Ms. Shaina Paulson, Ms. Veena PC, Ms. Nivya Johny of S6 CSE presented a paper titled "Novel network security management system for DoS using data mining" in the "International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27th & 28th March 2015.

Ms. Minara P Anto, Ms. Marybet Davis, Ms. Muhsina K M of S6 CSE presented a paper titled "Novel energy efficient routing protocol in WSN" in the "International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27th & 28th March 2015.

Ms. Thasviya Haroon, Ms. Tessa Jose of S6 CSE presented a paper titled "Novel energy efficient routing protocol in WSN" in the "International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27th & 28th March 2015.

Ms. Saranya T.G, Ms. Krishnapriya M A, Ms. Greeshma P Y, Mr. Jerry Joe (S8 IT) and Ms. Jisna V. A(Guide, AP, CSE), Published a paper on "Graphical Password Authentication using Cued Click Points" in International Journal of Computer Science (IJCS), January 2015, volume 02, issue 12.

Ms. Aiswarya Raj, Ms. Meenu Manoharan, Mr. Melbin Alex, Ms. Pravya Prasad (S8 IT) and Mr. Majo John(Guide, AP, CSE), Published a paper on "Machine Log in monitoring and tracking security system" in International Journal of Computer Science (IJCS), January 2015 volume 02, issue 12.

Ms. Ajisha John, Ms. Keerthi K B, Ms. Meenu Manoharan, (S8 IT) and Ms. Diana Davis(Guide, AP, CSE), Published a paper on "Data security through Armstrong number and colors" in International Journal of Computer Science (IJCS), January 2015 volume 02, issue 12.

Ms. Ajisha John, Ms. Revathy Menon, Ms. Sini Jacob(S8 IT), and Ms. Diana Davis(Guide, AP, CSE), Published a paper on "Secure Banking System using Multifactor authentication" in International Journal of Computer Science (IJCS), January 2015 volume 02, issue 12.

Mr. Rakesh K, Mr. Marzooqe Moideen, Mr. M. C. Gokul, Mr. Nikil T. N and Mr. Robin of S6 IT attended a workshop on "Cloud and windows azure" conducted by Microsoft Hyderabad unit at Dr. NGP College, Coimbatore on 6th and 7th of March 2015.

Industrial Visit

Students of S6 CSE accompanied by Mr. Anil Antony (AP,

CSE) and Ms. Rigi C.R (AP, CSE) visited Digital Transmission Station, BSNL, Ernakulam on 7th March 2015.

Students of S8 CSE Industrial Visit – from 15/02/2015 to 21/02/2015 – 50 students along with 2 staffs & 2 parents visited KSDL, Bangalore, ACE Computers, Mysore. They went for sight seeing at Hyderabad, Bangalore, Coorg, Mysore. Students of S6 IT accompanied by Mr. Majo John (AP, CSE) and Ms. Diana Davis (AP, CSE), visited KAMCO on 24th March 2015.

Students of S8 IT accompanied by Mr. Bineesh M (AP, CSE) and Ms. Diana Davis (AP, CSE), visited Syrus Ventures (Hyderabad) and HCL Technologies (Bangalore) on 17th February 2015 and 20th February 2015 respectively. They also visited Hyderabad and Bangalore as a part of their sight seeing.



RESULT ANALYSIS

Semester	Total Pass%	University Position
S6CSE	92.31	2nd
S4CSE	47.54	11th
S1 & S2 CSE	66	6th
S4IT	81.81	1st
S6IT	80	4th

ELECTRONIC & COMMUNICATION ENGINEERING

STAFF ACTIVITIES

2.1.PAPER PUBLICATIONS

Mr. Jobin Varghese, Asst. Professor, Dept. of ECE, published a paper titled "**Dynamic Duty-Cycled MAC for Wireless Sensor Networks with Energy Harvesters**", in IEEE xplore, PP 156-160 (ISBN: 978-1-4799-6545-8, DOI:10.1109/CIMCA.2014.7057780, Publisher: IEEE).



Mr. Jobin Varghese, Asst. Professor, Dept. of ECE published a paper "**Performance Analysis of Synchronous and Receiver Initiated MAC protocols under varying Traffic Density over Wireless Sensor Networks**", in

IEEE xplore, PP 1228-1232 (ISBN 978-1-4799-4191-9
DOI:10.1109/ICCICCT.2014.6993148, Publisher: IEEE).

Ms. Bindhu K Rajan, Asst. Professor along with Ms. Nimpha Anto, Ms. Sneha Jose (2010-14 ECE Batch) published a paper titled "**Fusion of Iris & Fingerprint Biometrics for Gender Classification using Neural Network**" in the proceedings of the Second International Conference on Current Trends in Engineering & Technology, ICCTET'14, Akshaya College of Engineering Coimbatore, India.



Ms. Bindu K. Rajan

PAPER PRESENTATIONS

Ms. Sindhu S, Asst. Professor, Dept. of ECE, "**Design and Simulation of an improved algorithm for three phase shunt active filter**"; IEEE sponsored 9th International Conference on intelligent Systems & control, Karpagam College of Engineering, Coimbatore, Jan-2015



Ms. Sindhu S.

Ms. Bindhu K Rajan, Asst. Professor, Dept. of ECE, "**Duration modelling for Text To Speech synthesis system using Festival speech engine developed for Malayalam language**"; IEEE sponsored International Conference on Circuit, power & Computing technologies (ICCPCT-2015), Noorul Islam University Nagarcoil, March-2015.

SEMINARS / WORKSHOPS CONDUCTED BY FACULTY

Mr. Jobin Varghese, Asst. Professor, Dept. of ECE conducted a seminar on "Exponential Decision MAC for Energy Harvesting-Wireless Sensor Networks" on 06-02-2015, organized by ISTE Chapter, JECC

STUDENTS' ACTIVITIES AND ACHIEVEMENTS

STUDENTS' PROJECT PARTICIPATION IN "YUVA MASTER MIND-2015" COMPETITION



Project titled '**EyeBall Controlled Wheelchair using Raspberry Pi with Home Automation**' by Ms. Anna Joby Manjila, Ms. Jisna Shajan, Ms. Livy Varghese, Ms. Melinda Sunny, Ms. Nivya M S (2011-2015 ECE Batch) under the

guidance of Mr. Jinesh K J, Asst. Professor, Dept. of ECE participated in the "Yuva Master Mind 2015" contest for innovative projects organized by Malayala Manorama News group, Kottayam from 05-02-2015 and 06-02-2015 at calicut.

Mr. Melvin C. Vincent of S6 AEI won SECOND prize in High jump, Mr. Savio Pauly won SECOND prize in 800 meter race, Mr. Jestin Jose won THIRD prize in 1500 meter race and Mr. Tince Thomas won THIRD prize in 400 meter race in the College Sports Meet held on 21st February 2015.

Mr. Melvin C. Vincent of S6 AEI won THIRD prize in Cartoon competition and SECOND prize in poster making competition as part of Collge Arts Fest.

Mr. Jishnu T B of S4 ECE-A has participated in the DZONE FEST 2015 for Kathakali Sangeetham and achieved SECOND prize.



Mr. Jishnu T. B.

INDUSTRIAL VISITS / EDUCATION TOUR



FACT, Ernakulam



Visveswaraya Centre Substation

60 Students from 2011-2015 ECE Batch, visited 220KV GIS Visveswaraya Centre Substation, Bangalore on 12/2/2015 and Karnataka Hybrid Micro Devices Ltd., Bangalore on 13/2/2015 as a part of their seven days educational tour to Hyderabad and Bangalore with Asst. Professor, Ms. Sindhu S, Asst. Professor, Mr. Jobin Varghese and two parents.

62 students of S4ECE B visited Ace Components, Mysore on 05-12-2014 as a part of their three days educational tour to Coorg and Mysore with Mr. Rijo P.C, Asst. Professor, Ms. Asha John, Asst. Professor and two parents.

An Industrial visit for S6 students was conducted to FACT, Ernakulam on 7th March 2015. Mr. Kapil Das K. S. & Ms. Neethu Rose Thomas accompanied them.

ELECTRICAL & ELECTRONICS ENGINEERING

Training / Workshops / Expert Talks

A one day workshop was conducted on "Hardware Implementation of Power Electronic Circuits" for PG students. Mr. Dawn K Joseph, Candle, was the resource person.

An Expert talk on "Electrical Safety and Energy Conservation" was arranged in the department for the final Year B.Tech students on 23rd March 2015. Mr. Dileep M.V, Electrical Inspector (NC), Electrical Inspectorate, Thrissur was the resource person.

Student Achievements

Ms. Rosmy Varghese and Ms. Smiya Johnson of S8 EEE (2011 Admn.) presented a paper on



Ms. Rosmy Varghese

"Trends and Challenges in Smart Grid Technology" at the District level Seminar Competition organized by the KSEB Engineer Association with the support of IEEE Power and Energy Society Kerala Chapter on 21-02-2015 and got the first prize.



Ms. Smiya Johnson

Industrial Visit

64 students of S4 EEE (2013 Admn.) along with two faculty members (Mr. Akhil A. Balakrishnan and Ms. Kavitha Bhaskar) visited Kozhikoide Diesel Power Plant and Steel Complex Ltd., Kozhikode on 4th December 2014. They also went for sight seeing at Mysore and Coorg.

56 students of S6 EEE (2012 Admn.) along with two faculty members (Mr. Vineeth V.V and Ms. Aswathy Rajan) visited 1 day industrial visit to KSEB Kanjikode Wind Farm on 6th February 2015.

TOPPERS

S1S2 Topper – Ms. Smruthi Krishna K. (SGPA-8.71)

S4 Topper – Ms. Aruna K. (SGPA- 9.16)

S6 Topper – Ms. Rosmy Varghese (SGPA-9.32)



Ms. Smruthi Krishna K.



Ms. Aruna K.



Ms. Rosmy Varghese

Staff Achievements

Training / Workshops / FDPs

Mr. Ratnan P, Professor & Head – EEE, has attended a 5 day Faculty Development Programme on Control Systems Design organized by IIST, Thiruvananthapuram, from 16th December 2015 to 20th December 2015.

Ms. Della David, AP-EEE acted as the resource person at CAPE, Kidangoor for an expert talk on "Recent Trends in Power Electronics" on 23rd March 2015.

Mr. Akhil A. Balakrishnan, AP-EEE acted as the resource person for the workshop on "Technical Documentation using LaTeX and Beamer" for S6-EEE students on 15th March 2015.



Prof. Ratnan P.



Ms. Della David



Mr. Akhil A. Balakrishnan

Gate 2015

Mr. Akhil A. Balakrishnan, AP-EEE qualified the GATE-2015.

Publications

Mr. Ebin Joseph T, M.Tech(Power Electronics) & Ms. Sreethumol M. V, AP-EEE presented a paper on "Speed Control of BLDC Motor Drive under Direct Torque Control Scheme with Modified Integrator" at IEEE International Conference on Electrical,

Computer and Communication Technologies (ICECCT)-2015 held at SVS College of Engineering, Coimbatore.

Mr. Ebin Joseph T, M.Tech(Power Electronics) & Ms. Sreethumol M. V, AP-EEE presented a paper on "Sensorless Control of BLDC Motor Drive under DTC Scheme with Modified Integrator" at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms. Aiswarya Gopinath, M.Tech(Power Electronics) & Mr. Jenson Jose, AP-EEE presented a paper on "Edge Resonant DCDC Boost Converter" at IEEE Conference– EESCO-15, Vishakapatnam.

Ms. Aiswarya Gopinath, M.Tech(Power Electronics) & Mr. Jenson Jose, AP-EEE presented a paper on "Half Bridge Converter with Wide Range ZVS" at ICETEM held at SNGCE.

Ms. Athira, M.Tech(Power Electronics) & Ms. Aswathy Rajan, AP-EEE presented a paper on "Closed Loop Control of Full Bridge Converter with Asymmetric PWM" at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms. Athira, M.Tech(Power Electronics) & Ms. Aswathy Rajan, AP-EEE presented a paper on "Full Bridge Converter with Asymmetric PWM for High Step-Up Applications" at IEEE Conference–EESCO-15, Vishakapatnam.

Ms. Ann Merine Tony, M.Tech(Power Electronics) & Ms. Saritha P, AP-EEE presented a paper on "Voltage Mode Control of Soft Switched Single Switch Resonant Converter" at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms. Amrutha Mohan, M.Tech(Power Electronics) & Ms. Aswathy Rajan, AP-EEE presented a paper on "New Transformer Less Step Up/Step Down DC-AC Converter" at IEEE Conference–EESCO-15, Vishakapatnam.

Ms. Amrutha Mohan, M.Tech(Power Electronics) & Ms. Aswathy Rajan, AP-EEE presented a paper on "Transformer Less Boost/Buck DC-AC Converter" at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms. Lakshmi, M.Tech(Power Electronics) & Ms. Saritha P, AP-EEE presented a paper on "Power Tracking of Series Resonant Inverter with Soft Switching Over Full Range for Domestic Induction Heating" at IEEE Conference– EESCO-15, Vishakapatnam.

Ms. Lakshmi, M.Tech(Power Electronics) & Ms. Saritha P, AP-EEE presented a paper on "Power Tracking of Resonant Inverter with Soft Switching over Full Range for Induction Heating Applications" at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms. Titty T. Atly, M.Tech(Power Electronics) & Ms. Aathira K. V, AP-EEE presented a paper on "Active Buck-Boost Inverter for

Inverter Air Conditioner Applications” at IEEE Conference– EESCO-15, Vishakapatnam.

Ms. Titty T. Atly, M.Tech(Power Electronics) & Ms.Aathira K. V, AP-EEE presented a paper on “Closed Loop Control of Active Buck-Boost Inverter for UPS Applications” at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms.RincyLonappan, M.Tech(Power Electronics) & Ms. Della David, AP-EEE presented a paper on “Flyback Dc-Dc Converter for Full Load Range Applications” at IEEE Conference – EESCO-15, Vishakapatnam.

Ms.RincyLonappan, M.Tech(Power Electronics) & Ms. Della David, AP-EEE presented a paper on “Soft Switched Flyback Converter for Wide Input Voltage and Full Load Range Applications”at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Mr.Midhunraj P, M.Tech(Power Electronics) & Ms.Soumya C, AP-EEE presented a paper on “A Bridgeless PFC Sepic Converter for Low Voltage Switched Mode Power Supplies” at NCREEE.

Ms.Ishani Varghese, M.Tech(Power Electronics) & Ms.Aathira K. V, AP-EEE presented a paper on “Current Fed Switched Inverter With Improved Modulation Index”at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms.GeethuThyaghese, M.Tech(Power Electronics) & Ms.KavithaBhaskar, AP-EEE presented a paper on “High Static Gain Modified Sepic Converter with Improved Line Regulation” at IEEE Conference – EESCO-15, Vishakapatnam.

Ms., M.Tech(Power Electronics) & Mr., AP-EEE presented a paper on “High Static Gain Modified Sepic Converter with Improved Load Regulation”atIEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms.Anjaly Jose, M.Tech(Power Electronics) & Ms.Soumya C, AP-EEE presented a paper on “Closed Loop Control of Soft Switched KY Step Up Converter” at IEEE Conference– EESCO-15, Vishakapatnam.

Ms.Anjaly Jose, M.Tech(Power Electronics) & Ms.Soumya C, AP-EEE presented a paper on “Soft Switched KY Step Up Converter”at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms. Arya Ramachandran, M.Tech(Power Electronics) & Ms.Sreethumol M. V, AP-EEE presented a paper on “High Gain Dc-Dc Boost Converter with Better Voltage Regulation” at IEEE Conference– EESCO-15, Vishakapatnam.

Ms. Arya Ramachandran, M.Tech(Power Electronics) & Ms. Sreethumol M. V, AP-EEE presented a paper on “High Step Up Converter with Diode Capacitor Technique for Renewable Energy Applications” at ICETEM held at SNGCE.

Ms. Teresa Babu, M.Tech(Power Electronics) & Mr.Akhil A.

Balakrishnan, AP-EEE presented a paper on “Transformer Less Dc Converter For High Intensity Discharge Lamp Applications” at IEEE Conference– EESCO-15, Vishakapatnam.

Ms. Teresa Babu, M.Tech(Power Electronics) & Mr.Akhil A. Balakrishnan, AP-EEE presented a paper on “Quadrupler Dc Converter For High Intensity Discharge Lamp Applications”at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms.Gayathri P. Muralidharan, M.Tech(Power Electronics) & Ms.KavithaBhaskar, AP-EEE presented a paper on “High Step-Down Conversion Ratio Interleaved DC-DC Converter” at IEEE International Conference on Electrical, Computerand Communication Technologies (ICECCT)-2015 held at SVS College of Engineering, Coimbatore.

Ms. Gayathri P. Muralidharan, M.Tech(Power Electronics) & Ms. KavithaBhaskar, AP-EEE presented a paper on “Interleaved Synchronous Buck Converter with High Conversion Ratio and Voltage Regulation” at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms.RamyaChandranandhan V, M.Tech(Power Electronics) & Ms.Renjini G, AP-EEE presented a paper on “Voltage Mode Control of Improved Bridgeless Flyback Rectifier with Bidirectional Switch for Adapter Applications” at IEEE Conference– EESCO-15, Vishakapatnam.

Ms.RamyaChandranandhan V, M.Tech(Power Electronics) & Ms.Renjini G, AP-EEE presented a paper on “Average Current Mode Control of Improved Bridgeless Flyback Rectifier with Bidirectional Switch”at IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)-2015 held At Noorul Islam University Kumaracoil, Kanyakumary.

Ms.Hima N. S, M.Tech(Power Electronics) & Ms. Della David, AP-EEE presented a paper on “Modified One Cycle Control Scheme On Bridgeless CUK Rectifier” at IEEE Conference– EESCO-15, Vishakapatnam.



Mr. Ebin Joseph T. M.



Ms. Sreethumol M. B.



Ms. Aiswarya Gopinath



Mr. Jenson Jose



Ms. Athira



Ms. Amrutha Mohan



Ms. Aswathy Rajan



Ms. Ann Merine Tony



Ms. Lakshmi



Ms. Saritha P.



Ms. Titty T. Atly



Ms. Athira K. V.



Ms. Rincy Lonappan



Mr. Midhunraj P.



Ms. Soumya C.



Ms. Geethu Thyaghesse



Ms. Kavitha Bhaskar



Ms. Anjali Jose



Ms. Arya Ramachandran



Ms. Teresa Babu



Ms. Gayathri P. Muralidharan



Ms. Ramya Chandranandan



Ms. Renjini G.



Ms. Hima N. S.

MECHANICAL ENGINEERING

Department Activities

Students of S4 Mechanical-A, along with Mr. Sukesh O P (APME) and Mr. Cijil B John (APME) and two parents went for a study tour on 4, 5 & 6th of December 2014. They visited Volvo Construction Equipment's, Bangalore, S. M. Kannappa Automobiles Pvt. Ltd, Mysore and BEML (Bharat Earth Movers Limited) Mysore.



Two talks on the topic "Nano fluids for heat transfer application" and "Mechanical Vibration" are presented by Associate Professors of Karunya University on 25th March 2015 for Mechanical Engineering Association Members.



Staff Activities

Prof. K.C. John, HOD Mechanical Dept. published a text book titled "Metal Casting and Joining", through PHI Learning (Pages-554, ISBN No.: 978-81-203-5077-9), New Delhi and a meeting was conducted on 11th Feb by college management and staff to felicitate the work.



Prof. K. C. John

Sreejith K., Christy V. Vazhappilly, Nice Menachery, Nikhil N.S., Manoj Kumar V.K., Praveen Raj (APME) published a research



Mr. Sreejith K.



Mr. Christy V. Vazhappilly



Mr. Nice Menachery

paper that had already presented at a National Conference (NCRTME'13), titled "Performance Evaluation of Household Refrigerator using CuO Nanoparticle Lubricant



Mr. Nikhil N. S.



Mr. Manoj Kumar V. K.



Mr. Praveen Raj

Mixture and various Compressor Oils with Different Condenser Modes" in International Journal of Engineering and Science (IJES), Vol.05, Issue 01, January 2015.

Ajith Krishnan.R, Assistant Professor, Mechanical Department published a research paper titled "Structural and Thermal Analysis of Asphalt Solar Collector Using Finite Element Method" in Journal of Energy, Hindawi Publishing Corporation, Article ID 602087, December 2014



Asst. Prof. Ajith Krishnan

T.R.SreesasthaRam, Assistant Professor, Mechanical Department presented a paper entitled "Influence of interhole distance and orientation on strength of composite laminae" at International Conference on Material Mechanics and management (IMMM) 2014, at College of engineering Trivandrum (CET) on 18th December 2014



Mr. SreesasthaRam T. R.



Mr. Sajith U. K.



Ms. Nisha Sherief

Sajith U K and Nisha Sherief (APME) attended a A short term training program on "Computational Methods in Fluid Dynamics" at GEC Thrissur on 4-6 of March.

Sukesh O P (APME) presented a paper entitled "Experimental and Numerical Investigation of Heat Generation during Friction Stir Processing of Copper" at 12th Global Congress on Manufacturing and Management (GCM) 2014, at VIT University on 8-10 December 2014 and published in Proceedia Engineering by Elsevier.



Mr. Sukesh O. P.

Nisha Sherief (APME) presented a paper titled "Effect of

backward sweep on the performance of a transonic axial flow compressor – A numerical analysis.” in the 5th International and 41st National conference on fluid mechanics and fluid power held during December 12 to 14, 2014 at IIT Kanpur.



Ms. Nisha Sherief

Nikhil.N.S (APME) , Akhil Raj V R, Benzer K Timothy, Bovas C Thomas, Clemin C J, Jerin P K (S8 ME-A) published a paper entitled “Machining of an aluminium metal matrix composite using tungsten carbide inserts”, in International Journal of Engineering and Science[IJES],Volume 4, Issue 3,Pages 06-11, 2015,ISSN(e)-1813,ISSN(P):2319-1805

Tony Kottoor (APME) led leadership in the professional music band “ThamaraserryChruram” and presented a show in the “Tharang -15” cultural activities.



Mr. Tony Kottoor

Students Achievements

Harish C Nair, S8 ME-A selected as the “Best outgoing student of the year-2015

Mr. Joel M (S6 ME-B) got 3rd prize in the D-Zone Arts festival of Deshabhaktiganam

Students Activities

Anup Nair, Jaik Jimmy, AmithIgnitius, Krishna Prasad T S and Jino.Joshy of Mechanical Engineering Department attended an International Workshop On “Stress Assisted Environmental Damage On Structural MATERIALS” at IIT MADRAS from 27 February to 2 March 2015.

Asish Simon, Aravind Krishnan, Clemin C J, Tony Kalliath, Rakesh K of S8 ME Participated in Nehru Tech Fest- Project Expo and Presented “Six Stroke Engine” on 4th-5th February

Angelo Thomas, Subin Mohan and NeerajBhavdas of S8 ME presented a paper on “ Experimental analysis of two stage mechanical oscillator” at MES college of engineering, Amritha Institute of Science and Technology and AL-Ameen College of Engineering during the month of March.

Dr. Balagopalan given a talk on “Soil and Land Degradation “ at IRTC Mundur on 21/03/2015.



Dr. Balagopalan M.

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ARTS FEST

The College Arts Fest RAAG RANG was inaugurated by **Prof. Leelama** HOD Department of Mohiniyattamkalamandalam CheruthuruthyThrissur.

Competitions in on stage & off stage events were conducted & the winners participated at the D-Zone Level Competitions of the University of Calicut



ANNUAL SPORTS DAY

The College Sports day of Jyothi Engineering College Cheruthuruthy was conducted on 21st of February 2015. The sports day began with a march-past by four houses green, red,blue & yellow. The Olympic torch was taken up by the Union Sports Secretary Mr.Sanu Sakkaria. The lamp was lit by Fr. Roy Joseph Vadakkan. The sports meet started with a welcome speech by Union Chairman Mr. Sajith Symprasad. The event was followed by flag hoisting by Principal Dr. K. K. Babu who declared the sports meet open, this was followed by an oath taking ceremony by the athletes.



BSH

BSH department constitutes two awards in connection with college day.

Best student in economics by Dr Baby C B in memory of his son kiran and award is given to Maria Flower Wilson of S8 IT. (award money Rs. 5000/-)



Ms. Maria Flower Wilson

Best student in Mathematics by dept. of Mathematics (Rs. 3000/-). Given to Surya of s8 CSE.



Ms. Soorya M

K. R. Sandeep Narayan published a paper titled “Eccentric connectivity index and detour eccentric connectivity “ in the journal “ Annalas of pure and applied Mathematics”.



Mr. Sandeep Narayanan K. R.

COLLEGE DAY

Jyothi Engg College celebrated College day on 21-03-15. Fr. Jose Punnolliparambil The Executive manager, Jyothi Engg College welcomed the gathering.



Msgr. George Edakalathur, Manager, Jyothi Engg College Presided over the function.

Dr. C K Thomas , Director Dooradarshan Trichur was the chief guest.r.Paul Raju, representative of Sunny Diamonds Cochin Presented the Sunny Diamond award to Ms. Smiya Johnson S8 EEE for the best outgoing B Tech students in 2014-2015.



RUN KERALA RUN

Jyothi participated in the 35th National games hosted by the Govt. of Kerala at Thrissur ,we contributed volunteers for the function and participated in the event Run Kerala Run



LIBRARY

A book exhibition was held at the Jyothi Engineering Campus in tandem with Calicut Books on 24th 25th and 26th of March 2015. The Exhibition was inaugurated by Executive Manager Fr.Jos Punnoliparambil , Principal Dr. K.K. Babu, Finace Manger Fr. Joju Chriankandath and Librarian Dr. Adharsh spoke on the occasion.



WEC



Women Empowerment Cell of Jyothi Engineering College, Cheruthuruthy conducted a Seminar on '**Premarital Counselling**' for its members on 19/1/2015. The resource person for the same was **Rev Fr Roy Joseph Vadakkan, Asst Professor &PRO, JECC**

A Legal class on the topic ' Women and Indian Law' for its members was conducted on 25/2/2015 by **Advocate Indira Devi, Bar Council Thrissur**

Women's Day was celebrated on March 7th 2015.The chief guest of the day was**Dr Anu Francis,Asst.Professor, Jubilee Mission Medical College, Thrissur**. She delivered a class on 'Reproductive Health and Sexuality' on the same day. A **Group Dynamic** session & cultural events followed.



TBI

TBI lead by Ms. Ramlath Solved the long time issue of making a result analysis of University Results.Tbi Launched a package for processing of university result analysis on 21-01-2015 at the college computer centre. Using this package it is possible to retrieve the overall result. Each department can retrieve excel formats of the university external examinations of their batch.



Ms. Ramlath

NATIONAL SERVICE SCHEME

Our latest activities include:

- ◆ Rain Water Harvesting
- ◆ Support to Run Kerala Run
- ◆ ACTS Exhibition
- ◆ Blood Donation Day
- ◆ Coordinating Arts,sports,Techfest,Union and other college events.

NSS also provides enough orientation to its members as well as outsiders to work for the upliftment of the society. It works with the motto "NOT ME, BUT YOU".

On 28th& 29th January 2015, The NSS unit of Jyothi Engineering College organised a two day exhibition stall showcasing Road Safety. Program Officer Mr. S. K. Sivakumar inaugurated the stall..



ROAD SAFETY AWARENESS

BLOOD DONATION

A blood donation camp was conducted in Jyothi Engineering College on 11th February 2015. It was conducted under the banner of Blood Donation Forum and NSS Tech cell. Doctors & Nurses from Jubilee Mission Hospital collected blood from many student donors.



SWACHH BHARATH

As part of Swatch Bharat Movement, a cleaning program was conducted on 22nd February 2015. The outskirts of Jyothi Engineering College were cleaned. All non-bio degradable wastes were removed from the surroundings. Student volunteer secretaries Jain Varghese and Gilta Babu coordinated the activities.



SWACHH BHARATH

KSCSTE

1.1. A two day workshop on 'Intellectual Property Rights and Research Funding Possibilities' was jointly organized by PIC-Kerala/KSCSTE and Department of Electronics and Communication Engineering, Jyothi Engineering College on 16th and 17th of January for the teaching staff and Post Graduate students of Jyothi Engineering College Cheruthuruthy, Thrissur.



Participants of Two Day Workshop

PLACEMENT

Selected Students of the Placement Drive conducted by IBS on 05-01-2015



Ms. Soorya M (CSE) Mr. Subin Mohan (ME) Ms. Remya K (ECE) Ms. Nithara R. (ECE)

On 26th Feb 2015 Neenu Vincent of S8 ECE and P Vidhya of the same class was selected by TCS at an off campus drive conducted at Info Park Kochi.



Ms. Neenu Vincent (ECE) Ms. P. Vidhya (ECE)

Vicky Wilson (ME) was placed in MRF on 13-03-2015

Training Activities for Placement @ JECC 11-02-2015 Placement Training by Prof. M C Jose (All Final year students attended the training)



Mr. Vicky Wilson (ME)

28-02-2015 Training by ICT Academy, Trivandrum Jose (All Final year eligible students attended the training)



Jyothi wishes you all a happy
EASTER & Vishu



“EDUCATION

IS THE MOST POWERFUL
WEAPON WHICH
YOU CAN USE TO
CHANGE THE WORLD.”

