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ESTD 2002

Jyothi Engineering College

NAAC Accredited college with NBT Accredited programmes*

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR PIN-679531 PH: +91-4884-259000, 274423 FAX : 04884-274777

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Chairman: H.G. Mar Andrews, Thazhath **President & Manager:** V. Rev. Mgr. Thomas, Kakkassery,

Asst. Managers: Rev. Fr. Roy Joseph, Vadakkan, (Academics and Admin.) Rev. Fr. Joju, Chiriyankandath (Finance)

Rev. Fr. Jinto Pereppadan (Project & PRO), **Principal:** Dr. K. K. Babu, **Administrator:** Er. Thomas Mathew, **Asst. Administrator:** Er. Boby Peter & Prof. Francis George

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JECC NEWS

01

INDUCTION CEREMONY 2017



The academic year at Jyothi began in June 2017. Plans for academic and non academic activities were drawn up and put in place. Bridge Course classes were planned and the wheels of the admission mechanism were set in motion. Our first years walked in through the Jyothian portals with an orientation programme followed by the Induction Ceremony.

The Induction Ceremony for B.Tech 2017 entrants was held on 31/7/2017 at Jyothi Engineering College. "Spread the light from the lamp of knowledge that Jyothi lights for you" was the message that Archbishop Mar Andrews Thazhath, gave to the newcomers. A Guru Dakshina ritual followed after which, the gathering of Freshers and their guardians were addressed by Asst. Manager Fr. Joju Chiriyankandath, Principal Dr. K.K. Babu and Asst. Manager Fr. Roy Joseph Vadakkan.

M.Tech Induction Ceremony



The M.Tech Induction ceremony was held on 1/8/2017. The function was inaugurated by Dr. Abraham Mathew Dean (R&D), NIT, Calicut. Msgr. Thomas Kakkassery presided over the function. The gathering was addressed by Fr. Roy Joseph Vadakkan Asst. Manager (A&A), Er. Thomas Mathew, Principal, Dr. K.K. Babu and Heads of Departments

PLACEMENT UPDATES



The Placement season 2017 concluded with an alltime high record of 249 offers. "Our renewed focus on students' employability training has helped us a lot, to beat our past placement record by a wide margin this year (2017)."

HABILITER 2017 Inauguration



A 5 day faculty development programme '**HABILITER 2017**' was conducted for the teaching staff from 17th to 21st July 2017. The programme was inaugurated on 17th August 2017 by Dr. K.K Babu, Principal of Jyothi Engineering College, in the presence of Fr. Roy Joseph Vadakkan, (Asst. Manager-A&A) and other Assistant managers, Administrators, HODs and the participating staff members.

The Placement Department has put into place a well defined programme with particular activities for each year of the engineering course. We begin with communication skills which include reading, writing, listening & speaking skills essential to the industrial world of today. The following years take care of aptitude test practises and interview skills which include practice of model interviews and mock interviews to complete the circle.

NATIONAL SERVICE SCHEME (NSS)

Mr. Christy V. Vazhappily (AP / ME), Mr. Majeendran Kunnath (Jr. Instr./EEE) & Ms. Seenia Francis (AP/ CSE), Participated in the TWO DAY STATE LEVEL PROGRAMME OFFICERS WORKSHOP held at HHM JDT Islam Polytechnic College, Kozhikode on 11th& 12th August 2017 under the auspices of APJ Abdul Kalam Technological University and Directorate of Technical Education Kerala.

A One day seminar on Swachhta was organized by NSS (Unit No. 244& SFU 591), Jyothi Engineering College as part of **Swachhta Pakhwada** on August 2017.

A Campus cleaning was conducted from 2nd to 5th August. NSS volunteers participated in cleaning the Library, Toilets, Auditorium and classrooms. Volunteers visited 43 houses and distributed informative materials like leaflets and handouts to make local masses aware of the importance of clean surroundings. NSS volunteers remembered the heroic struggle and sacrifices of millions of Indians on the occasion of the **75th anniversary of the Quit India movement** & Pledged to build a strong, secular and democratic India.



The NSS unit of Jyothi Engineering College, organized a competition "Freedom quiz" for students. The quiz was mainly based on Indian History, freedom fighters and their struggles. Volunteer Secretary, Mr. Vishnu Prasad C (S5 CSE-B) & Ms. Shruthy Chandran (S5 ECE-B) coordinated the event.

The **flag hoisting ceremony on Independence Day was conducted by NSS volunteers.** NSS volunteers participated in the initiative of the Swachh Bharat Abhiyan. Awareness of the importance of cleanliness was spread among the people of the nearby localities. **Shornur Railway station was cleaned as a part of Independence Day programme.**

IEDC at Jyothi

The IBeTo Hackathon was held at Kerala Startup Mission, Kalamassery, Kochi so as to get a working prototype based on problem statements. These prototypes can further be iterated and launched into the market. In addition to the prize money, the top 3 contestants got direct entry into the IBeTo finals which guaranteed them proper mentorship and guidance from the experts in their field. Our student team came second in the contest & entered the IBeTo Hackathon Finals. Our student team consisted of Vishnu K S4 CSE(B), Surya R S4 CSE(B), Sophy Shaju S4 ECE(B), Noel S4 ECE(B)

Prize Winners



Kerala's Largest Summit for aspiring Student Entrepreneurs was held on 19/08/17 at Adlux Convention Centre, Angamaly. IEDC Summit is the avenue for participants of various units across the State to come together, to show case innovative products and to develop strong networks that go a long way in developing sustainable enterprises. The summit is scheduled with two sets of panel discussions to learn from two levels of entrepreneurs, one who have succeeded from Kerala and established their business across the globe and the young generation entrepreneurs who aspire to shake the world through their future innovative enterprises. Two projects were selected for the Project Exhibition and one for Startup Expo. The projects selected for the Summit were:

Project Expo in IEDC SUMMIT

Intelligent Carrus Assistance

Smart Shopping Cart with Automatic Billing through RFID

Startup Expo in IEDC SUMMIT

Livlon (Crash Messenger)



Pradhan Mantri YUVA Yojana is the flagship scheme of Ministry of Skill Development and Entrepreneurship (MSDE) on entrepreneurship education and training, advocacy and easy access to entrepreneurship support network to over 14 lakh youth to initiate maximum start-ups over five years. Our Institute is among the 18 colleges in the state to empanelled under PMYuva scheme. A training programme was conducted in the CUSAT in five days from 21/08/2017 to 25/08/2017. This training programme focussed on implementing the orientation course in our institute that starts from January 2018. Mr. Anil Antony, Assistant Professor & Nodal Officer IEDC-JECC attended the training program and receive the certificate for the same.

Dept. of Computer Science & Engineering

Student Achievements

All S7 CSE B students (2014-2018 Batch) completed MOOC on "Database" from Stanford Online Lagunita University.

S2 CSE students (2016 - 2020 Batch) completed a crash course in "Introduction to Computing and Problem Solving" and a Summer Course in "Computer Programming"

Edwin Lingson of S7 CSE A and Lipin S7 CSE B secured the First Prize in the quiz competition held at St. Thomas College, Thrissur

Ms. Nicy Thomas of S5 CSE B (2015-2019 batch) secured the first position in the S3 Results with 9.04

Ms. Anju Maria K B of S5 CSE A (2015-2019 batch) secured the first position in the S3 Results with 8.94

Ms. Fraceena Francis of CSE B (2013-2017 batch) secured the first position in the S7 Results with 8.16

Ms. Sona S of CSE B (2013-2017 batch) secured the first position in the S7 Results with 8.27

Ms. RESHMA T P of S5 CSE B (2015-2019 batch) secured the first position in the S4 Results with 9.24

Ms. Anju Maria K B of S5 CSE A (2015-2019 batch) secured the first position in the S4 Results with 8.52

Ms. Fraceena Francis of CSE B(2013-2017 batch) secured the first position in the S8 Results with 9.27

Ms. LUFUYA GEORGE.C of CSE B(2013-2017 batch) secured the first position in the S8 Results with 9.00

Department Activities

An Invited Lecture was arranged on Issues in Cyber Security. The speaker of the day was Mr. M V Sangameswaran, Software Architect, Symantec, Canada



STAFF ACTIVITIES

Fr. Dr. A K George and Dr. C K Raju visited Asian Institute of Technology, Thailand from 29/5/2017 to 3/6/2017

Ms. Seenia Francis completed a 3 day workshop on "Cloud Computing" at LiveWire Thrissur from 20/5/2017 to 21/5/2017

Ms. Sobha Xavier, Ms. Jisna V A and Ms. Snitha Thomas attended a 5 day FDP on "Building Private Cloud using Free Software Tool" at GEC Thrissur from 20/6/2017 to 24/6/2017

The tier 2 and tier 3 PMS awards of 2017 were won by Ms. Jyothis T S, Ms. Aswathy Wilson, Ms. Diana Davis, Mr. Anil Antony and Ms. Divya M Menon

Ms. Aswathy Wilson completed a mooc on "Machine Learning- Dimensionality Reduction" and "Predictive Modelling Fundamentals I" from Cognitive Class

Ms. Seenia Francis completed a mooc on "SQL" from Stanford Online

Ms. Jyothis T S completed a mooc on "Diploma in Computer Networking" from Alison Certification

RESULT ANALYSIS (B.Tech)

The Pass percentage in the Seventh semester B.Tech examination of 2013-2017 CSE-A batch was 74 Pass percent in Seventh semester B.Tech examination of 2013-2017 CSE-B batch is 72.34 Pass percent in Eighth semester B.Tech examination of 2013-2017 CSE-A batch is 80 Pass percent in Eighth semester B.Tech examination of 2013-2017 CSE-B batch is 95.74 Pass percent in Third semester B.Tech examination of 2015-2019 CSE-A batch is 23.68 Pass percent in Third semester B.Tech examination of 2015-2019 CSE-B batch is 23.80 Pass percent in Fourth semester B.Tech examination of 2015-2019 CSE-A batch is 39.47 Pass percent in Third semester B.Tech examination of 2015-2019 CSE-B batch is 40.48.

Dept. of Electrical & Electronic Engineering

Student Achievements

The following members presented and published papers at ICICICT 2017 held at Vimal Jyothy Engineering College on 6/7 July 2017

Ms. Anu Anto (S2 M.TECH, PE) & Ms. Anu Sunny (AP, EEE) published a research paper titled "A High Voltage Gain DC-DC Converter for DC Microgrid".

Ms. Aiswarya Raj (S2 M.TECH, PE) & Dr. Jarin T (Asso. Prof, EEE) published a research paper titled "A revamped model of single phase stepper five level inverter" Ms. Hridya P (S2 M.TECH, PE) & Ms. Saritha P (AP, EEE) published a research paper titled "High gain Single Stage Inverter"

Mr. David Mathew (S2 M.TECH, PE) & Ms. Della David (AP, EEE) published a research paper titled "Interleaved boost converter with maximum power point tracking"

Ms. Sherin K .P (S2 M.TECH, PE) & Mr. Shijoh V (AP, EEE) published a research paper titled "Interleaved voltage fed DC-DC converter with capacitive filter for high altitude wind power applications"

Results

As per the data of the results of S7 University Examinations (2012 Admission Batch) released through the Net by the Calicut University, The department of EEE in Jyothi Engineering College scored 75 percent overall.

Toppers

Ms. Arathi P Nath 9.09 (SGPA) Ms. Smruthi Krishna 8.98 (SGPA) Ms. Anu Thomas 8.93 (SGPA)

As per the data of the results of S8 University Examinations (2012 Admission Batch) released through the Net by the Calicut University, The Department of EEE at Jyothi Engineering College scored 84.37 percent overall.

Ms. Anu Thomas 8.93 (SGPA) Ms. Arathi P Nath 8.89 (SGPA) Ms. Smruthi Krishna 8.89 (SGPA)

As per the data of the results of Second Semester M-Tech University Examinations (2016 Admission Batch) released through the Net by the KTU, The department of EEE at Jyothi Engineering College scored 85.7 percent overall.

Ms. Aiswarya Raj 9.05 (SGPA) Ms. Sherin K P 8.6 (SGPA)
Ms. Anu Anto 8.1 (SGPA)

Major Department Activities

An expert talk was delivered to S7 EEE (2014 Adm) students on "Microgrid and Renewable Energy Systems" by Dr. Kumaravel S. (A.P. EEE NIT Calicut) on 29/06/2017.



As per the data of the results of S4 University Examinations (2015 Admission Batch) released through the Net by the KTU, The department of EEE at Jyothi Engineering College scored 38.63 percent overall.

Ms. Mariya Rose 9.33 Ms. (SGPA) Neema Joy 8.7 (SGPA)
Ms. Anagha N V 8.67 (SGPA)

Faculty Achievements

Mr. Jenson Jose and Ms. Aathira K.V have been honored as TIER 2 PERFORMERS for their exemplary service to the Jyothi Family during academic year 2016-17

Mr. Akhil A Balakrishnan and Mr. Abin Roy participated in the National Workshop on "Computational Neuroscience and Muscular Modelling" held at NSS college of Engineering Palakkad between 20th to 22nd July-17.

Industrial Visit

41 students of S5 EEE accompanied by 2 faculty members Ms. Aswathy Rajan and Mr. Kapil Das went for an Industrial visit to 110kV substation, Viyyur and Tolins Tyre factory, Kalady on 12/8/17 and 13/8/17

Dept. of Electronics & Communication Engineering

Department Major Activities

Department of ECE successfully completed two months **Additional Skill Acquisition Programme (ASAP)** on "CCTV

installation Technician Course" for 25 Students. Sugamam Communications Ottapalam and ITZONE Thrissur ECSA in association with ISTE conducted a one day workshop on "IoT and Lightweight Embedded Systems" for the students of S7 ECE and CSE on 01/07/2017. **Mr. Tom Varghese Konikkara**, R&D Engineer, Mercedes Benz, India was the resource person.



STAFF ACHIEVEMENTS

Ms. Sindhu. S was awarded the **TIER 3 Performer award** for the performance in the academic year 2016-17

STAFF ACTIVITIES

SEMINARS / WORKSHOPS ATTENDED

Ms. Anjitha V attended a two day workshop on "Modern Trends in RF and Microwave Technologies" sponsored by IEEE Antenna and Propagation Society, Kerala section at Department of Electronics, CUSAT from 24/05/2017 & 25/05/2017.

Mr. Abin Johns Raju was invited as a trainer for the wireless communication wing of Kerala Police in the Police Academy, Thrissur. They have requested the ECE department to collaborate with their training centre of the communication wing.

Ms. Neethu Rose Thomas attended a two day FDP on "Principles of DSP & its Implementation" at Sahridaya College of Engineering Kodakara on 25/07/17 & 26/07/17.

The following staff members attended five days FDP "Habilliter" held at JECC from 17/07/17 to 21/07/17. Mr. Abin Johns Raju, Ms. Asha John, Ms. Nyni K A, Ms. Drisya M K, Mr. Dipinkrishnan R, Ms. Shiny M I, Ms. Roshni Rajan, Ms. Neethu Rose Thomas and Ms. Nishamary P.

Dept. of Civil Engineering

The Department has initiated its first Post Graduate programme IN TRANSPORTATION ENGINEERING with an intake of 18 students in the M.Tech Programme under APJ Abdul Kalam KTU.

STUDENT ACHIEVEMENTS

University Result:

Ms. Siviya Varghese, Ms. Anjana C P and Ms. Reshma Edwin of S4 won the first, second and third positions in their class in the Third semester university examinations with the respective SGPA of 9.23, 8.79 and 8.48.

Ms. Ambiliy P, Ms. Aiswarya Jayaprasad and Ms. Anna Vincent secured the first, second and third positions in their class with 9, 8.98 and 8.36 grade points in the Seventh semester results published by Calicut University.

Ms. Ambiliy P, Ms. Aiswarya Jayaprasad and Ms. Neethu Jose secured the first and second positions in their class with 9.3 and 8.59 points in the Eighth semester results published by Calicut University.

Other Achievements:

Ms. Sanila P. S. of S8 Civil (2013-17) won a scholarship of Rs. 25,000. The scholarship exam C Prize organized by NACTET



A master plan for a school was prepared by S8 students - Mr. Jijo Antony, Mr. Shane Jo Sam, Ms. Shannon Thankachan, Ms. Ambili P and Ms. StegyShaji under the guidance of Ms. Shiny Shaji, Asst. Professor of civil department. It was submitted to GHSS, Erumapetty.

Mr. Anto, Mr. Alwyn and Mr. Dijin Raj of S4 civil won the Second prize in the college level Innovative Idea Contest conducted on the occasion of National Technology Day Celebrations which is sponsored by KSCSTE, Tvm.

Expert Lecture:

Prof. M.G. Cyriac delivered a talk related to world environmental day celebrations organized by Institution of Engineers; Palakkad chapter on June. He also handled a session on Importance of Drinking water conservation to members of Thiruvilwamala Grama Panchayath on 28th May 2017.

Alumni interaction with students

The Department arranged an alumni interaction with students. Mr. Mohammed Jasir (Brunel University London) and Mr. Midhun T. of 2012 – 2016 interacted with 2014-18 batches.

The inauguration of the activities of Indian concrete institute and the releasing of the book "jalavum jeevithvum" was held on 26/8/2017.



Publications:

Ms. Anitha Jacob and Ms. Jisha Akkara presented and published their B.Tech project works at National conferences conducted at the 4th Conference of Transportation System Engineering and Management, Anna University Chennai and the National conference on recent advances in civil engineering and technology, Vidya academy of science and technology, Thalakkottukara.

Other Achievements:

Anitha Jacob coordinated the KSCSTE funded National Technology Day 2017 celebrations on May 4th 2017.

Mr. Alex P. George, Delivering a talk on "Technology for Sustainability of Humanity" during National Technology Day celebrations



Department Activities

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Dept. of Mechanical Engineering



STAFF AND STUDENT ACHIEVEMENTS

Mr.Kiran P.S., Ms.Lakshmi Kumar, Mr. Vishnu C of S4 ME-B(2015-19 Batch) got **First Prize** for the **Idea Presentation Competition** conducted at Jyothi Engineering College, Cheruthuruthy as a part of National Technology Day celebrations.

Students of S5 MEA (2015 Admission) went for **Industrial visit cum study tour** to Mysore-Coorg on 12th,13th & 14th of August 2017. They visited Kushal Board Plywood Industries, Coorg & ACE Components, Mysore. Mr. Suneeth Sukumaran(Assistant Professor, ME), Mr. Sreejith. A (Assistant Professor, ME) and 2 parents accompanied the students of S5 MEB (2015 Admission) went for an **Industrial visit cum study tour** to Mysore-Chikmangaluron 12th,13th & 14th of August 2017. They visited Agro Mechineries, Nilambur & ACE Industries, Mysore. Mr. Cijil B John (Assistant Professor, ME), Mr. Sheik Afthab S (Assistant Professor, ME) and two parents accompanied the students.

Mr. Ajith Thilakan, Mr. Kapil Dev E J, Mr. Jithin Shaju, Mr. Sony Thekkiniyath and Mr. John Prince (Students of S8 ME-B-2013-17 Batch) of the Mechanical engineering Dept. presented a working model titled **"Study and Analysis of Ammonia Water Vapour Absorption Air Conditioning System Using Solar Energy"** at the Thrissur Pooram Exhibition pavilion, Swaraj Round Thrissur.



Mr. Sreejith A (Assistant Professor, ME), Mr.Jaik Francis, Mr.Avinash Radhakrishnan, Mr. Anoop Antony and Mr. Akshay Raj M, (Students of S8 ME-A- 2013-17 Batch) of Mechanical engineering Dept. published a research paper entitled "Effect Of Antioxidant On The Performance And Emission Characteristics Of A Diesel Engine Fueled With Biodiesel Blend" in the International Journal of Innovative Research in Science, Engineering and Technology Vol. 6, Issue 6, June 2017.

A **Faculty Development Programme** organized by Department of Mechanical Engineering in association with ISTE Mechanical Chapter and SAEINDIA Collegiate Club on "Reverse Engineering" held during 31st March and 1st April, 2017. Following Resource persons handling various sessions, Dr. R Ramakrishnan, VIT University, Vellore, Mr.Joseph V. A, Technical Head- Kyeesha Techno Solutions, Mr.Shiju George, Founder- Kyeesha Techno Solutions, Mr.Omkar Upadhyay, Director- Cimtrix Systems (P) Ltd, Bangalore, Mr.Nijesh Nandan, CAD Engineer- CADD Centre, Thrissur. Mr. Biju CV and Mr. Christy V Vazhappily are the coordinators of this program. Live demonstration of 3-D scanning and 3-D printing is the highlights of this program. Altogether 53 participants, including interstate participants were benefitted by the programme.

Dept. of Basic Sciences and Humanities

Mr Rich K J attended workshop on Linear algebra graph theory and cryptography at Rajagiri School of Engineering during 28/6/17 to 30/7/17

Senior principal Scientist Dr. M Balgopalan has been promoted as Chief scientist w.e. f 2011 by KSCSTE, Thiruvananthapuram

Dr.Baby C.B., Dr.Usha Menon, Ms Jasmin Jose, Ms. Smija Skaria, Ms. Renju Francis, Ms. Nivya Wilson, Ms. Minu Jos attended FDP held at JECC during 17 /7/17 to 21/7/17

Dr.Usha Menon was examiner for the BEC spoken examination at Erode in June and at Trivandrum on 17/18/19 August 2017.

JYOTHI'S PRIDE

The 2015 batch from Jyothi has brought recognition and fame with their academic achievements. As Calicut University is changing over to KTU and including all the Engineering professionals under the newly formed banner, the last few batches are bidding goodbye leaving a trail of glory in their wake.

Here is the list of those from this batch who have entered the portals of honour with their achievements.

JYOTHI'S PRIDE IN THE CALICUT UNIVERSITY POSITION LIST HONOURS LIST (APRIL 2015)



SOORYA. M

Reg. No.: JYALECS045
Dept.: CSE, Position: 1 (9.17)



MARIA FLOWER MLSON

Reg. No.: JYALEIT014
Dept.: IT, Position: 1 (8.59)



SHAMSIYA. T.I

Reg. No.: JYALEAE031
Dept.: AEI, Position: 3 (8.61)



MIDHYA MOHAN E

Reg. No.: JYALEIT017
Dept.: IT, Position: 3 (8.46)



ROSMY VARGHESE

Reg. No.: JYALEEE032
Dept.: EEE, Position: 3 (9.01)



SMIYA JOHNSON PUTHIRI

Reg. No.: JYALEEE038
Dept.: EEE, Position: 5 (8.86)



SURYA. S

Reg. No.: JYALEAE037
Dept.: AEI, Position: 6 (8.32)



GREESHMA P Y

Reg. No.: JYALEIT008
Dept.: IT, Position: 10 (8.17)



SEBASTIAN JOSEPH

Reg. No.: JYALEEC054
Dept.: ECE, Position: 17 (8.73)



ALEX JOHNSON K

Reg. No.: JYALEME009
Dept.: ME, Position: 40 (8.20)



HARISH. C

Reg. No.: JYALEME041
Dept.: ME, Position: 41 (8.19)



ANUGRAHA PAUL

Reg. No.: JYALEEC010
Dept.: ECE, Position: 44 (8.35)



FARISH.K.A

Reg. No.: JYALEME035
Dept.: ME, Position: 45 (8.15)