



Jyothi Engineering College

NAAC Accredited college with ISO 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
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The last semester of the academic year 2016-17 at Jyothi saw a lot of hectic activity. The college celebrated various events and the departments put forth many programmes before winding up for the examinations in April / May.



College Day

College Day was celebrated on 25th March 2017 as a grand occasion. Mr. P.D. Nooh IAS, Subcollector, Ottappalam inaugurated the function by lighting the lamp. The college Magazine was released on the same day by Rev. Msg. Thomas Kakkasery.



Varun Menon



Stephy Akkara

Among the many prizes and awards that were given **The Best Jyothiyan Award** went to Varun Menon of S8 ME. The Diamond Ring Award Instituted by Sunny Diamonds was presented to Stephy Akkara & The Award for the best student in Economics was given to Ms. Arathy P Nath of S8 EEE.



Tharang 17



Tharang17' is the flagship techno-cultural festival of Jyothi Engineering College, Thrissur. It was conducted at two venues. One consisted of competitions held at the Jyothi Campus on 8th February 2017. This was organised under the banner of the Individual departments. The other was the band and dance competitions held at the LULU Convention Centre Thrissur on 25th March 2017.



Dance Competition at LULU Convention Center, Thrissur

Vibhavana paper presentation competition

VIBHAVANA is an open platform for both M. Tech and B. Tech Students of various colleges to showcase ideas in their respective areas. The programme was scheduled on 8th March 2017.

➤ Jerin Joseph John, Jemin Johnson, Jeffin C. Joy, Asish Johnson, Geo John presented a paper titled "DESIGN AND FABRICATION OF AUTOMATIC PATIENT TRANSFER MULTIPURPOSE MEDICAL BED" at VIBHAVANA as a part of THARANG 2017 conducted at Jyothi Engineering College.

➤ Arjun T B, Atul K P, Ivin Sunny of S6ME-A presented a paper on "Energy efficient campus idea" as part of Tharang17. ISTE Student chapter JECC associated with VIBHAVANA 17' paper presentation competition as a part of Tharang 2017 Tec fest. The paper presentation were open to all the other colleges. Nearly 25 participants from various colleges came to present the papers.

ON 8th MARCH 2017 JYOTHI ENGINEERING COLLEGE conducted



Project expo 'Srishti 17' is a mega event of Tharang 17 that aimed to provide a platform for creative minds to showcase various innovative and revolutionary ideas and compete with their counterparts contributing constructively to the

existing knowledge base.

Srishti '17, a National Level Project exhibition and competition in association with **Tharang '17** was held at Jyothi Engineering College for the sixth time on 08th March 2017. Among the various projects exhibited, prizes were given separately for circuit as well as non-circuit sections. In the circuit section, **Automatic CPR technique with defibrillator** from Sahridaya Engineering College and **Fire Mitigation System for Household -Fuzzy Fire Extinguisher (FFE)** - Jyothi Engineering College won the first and second prizes respectively. In the non-circuit section **Fabrication of Aquatic weed Remover from Jyothi Engineering College and E-Waste as Construction Material** from Sahridaya Engineering College, won the first and second prizes respectively. The projects which won the first & second won the cash award of 15,000 & 10,000 each. A special award for Innovative Student Project was given to **Chitowrapper: A Bioactive Packaging** from Sahridaya College of Engineering which won a cash prize of Rs.5000. A Consolation prize for the Science Exhibition was given to the team: Austin, Eric Sam Zachariah, Maria Rose, Jain Varghese of S4 EEE for their idea Water Purifier, Abel Tomy, Jiffin Joseph of S2 ME-A for their idea **Hologram**. & Akhila Krishnakumar, Anagha Rajeev, Amal Unnikrishnan, Amal Prem of S2 EC – A for their idea **Vande Graff Generator**.

All the participants were provided with participation certificates and each project received a consolation prize of Rs 2000/-.

The project titled "Fire Mitigation System for Household Fuzzy Fire Extinguisher" by the S8 EEE (2013 ADM) students Ms. Athira Das K, Ms. Haritha K.K, Mr. Joyal Paul, Mr. Tony J Vadakkan, Mr. Vishnu Saseendran won 2nd Prize for "SRISHTI" project competition conducted as a part of Tharang 17 on 08/03/2017 at JECC.

As a part of the Annual technical fest '**Tharang 17**', an All Kerala Higher Secondary School mega quiz event '**Asthra Jyothi**' was conducted on 27 January 2017 and the preliminary round was on 29 November 2016.

As part of Tharang'17, Dept. of ECE conducted the following events on 08/03/2017:

Techathon : A platform to design and develop a model or release a product based on public welfare. 14 teams from various engineering colleges participated in the event. The First prize was won by the team which included Bernad Boban, Pranav V, Shruthy Chandhran and Palaty Jesvin Joseph of JECC. The Second prize went to the team whose members included Asish Johnson, Geo John, Jeffin C Joy, Jerin Joseph John and Jemin Johnson from JECC and the third prize went to Alfred C J, Jission Luis, Lijo Joseph, and Shinto C Thomas of Royal College of Engineering & Technology.

Students of S8 ME-A, Jerin Joseph John, Jemin Johnson, Jeffin C. Joy, Asish Johnson, Geo John got the Second Prize in **TECHATHON PROJECT PROTOTYPING AND IDEATION** competition an event of THARANG 2017 conducted at Jyothi Engineering College.

Techhunt: In this event teams raced against time through daunting physical and technical tasks, to find hidden treasures. The First Prize was won by Vysakh K R And Team (S6 ECB) from Jyothi Engineering College.

Delma Davis, Jilu G Vadakoot, Arun Nair of S4 CSE A won the third prize in the Tech Hunt at Jyothi Engineering College

Mission Impossible: In this event each group was to work as a team to complete tasks that would help them to rescue the soldier trapped in the enemy camp. The First prize was went to Jerin Reji & Team from Jyothi Engineering College.

Divya Konikkara, Abin Mathew Wilson, Anand A M, Anirudh Rajan V of S4 CSE A won the third prize in Hack Masters at Jyothi Engineering College

F Ajaz & Asna Nesry of S4CSEA won the second prize in Hack Masters at Jyothi Engineering College

The Department of EEE conducted three departmental events - Robowar, Circuit Debugging, Game of Drones



Robowar



Circuit Debugging

The Civil Engineering Department conducted the following events for THARANG 2017 which were part of the civil engineers professional career. They included the following **Structure of Conquest** - Concrete Mix Design Competition, **Venator** - A Survey Hunt, **Popsicle Bridge** - Bridge Model Making



The CSE Department conducted the '**ASTRA QUIZ**', an event for plus two students from about 100 schools in Kerala. They also hosted '**GAMEGEEKS**' meant to familiarize the usage of the new level of IOT Products available in the market in a very easy way of gaming. Another event by this department was **HACKMASTERS**. It was a platform to know how to face interviews and one where innovative ideas were to be presented.



The Mechanical Engineering Department brought in a fantastic display of cars in 'CAR STUDIO', which updated our knowledge of some the latest in the Auto Mobile Industry. The 'BUILD & RIDE' event encouraged innovation and knowledge building where a two wheeler was taken to pieces and put back before riding it to the Judges.

CAD MASTER brought out the genius in budding engineers as they raced against time to concretise their ideas.



Activities at Jyothi

National Science Day Celebrations 2017 (Sponsored by KSCSTE & supported by DST)



Jyothi Engineering College Cheruthuruthy, Thrissur celebrated National Science Day on 28th February 2017, sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE) and supported by Department of Science and Technology (DST), Government of India.



Blood Donation Camp

The Blood Donation Forum under the leadership of co-ordinator Ms. Smija Skaria organized a blood donation camp on 15-03-2017 at CSE Seminar Hall from 9.30 am to 12.30 pm. A team of 12 members from Jubilee Mission Medical College, Thrissur consisting of Drs. Linda (PG student), Ajay and Jugul (House Surgeons), Ms. Kochuthresia, Ms. Reena, Ms. Ramya and Ms. Sreenisha (Staff), and five DMLT students conducted the camp. Forty five students donated blood.

Union Day

The Inaugural function of the College Union day was held on the 17th of March 2017 at the College auditorium. The Chief Guest of the function was Cine artist Sri. Salim Kumar (National award winner). The Inaugural function was followed by Cultural programmes presented by the students of JECC.



TBI Activities

JeccBook - First Official Mobile App for our college was launched on Jan 1st, 2017.

KTU B.Tech Result Analyzer (jecc.ac.in/kturesultanalysis/) tool was developed as a free service for all engineering colleges under KTU. It went live on Feb 8, 2017.

Admission Software - for the first time in the history of college we are moving towards a complete online admission system. The New system will handle admissions for seats of B.Tech Management, B.Tech NRI, B.Tech Govt, and M.Tech. The system went live on March 31st, 2017. Steps will be taken to integrate it with the Campus Book.

Social Media pages - like LinkedIn and Twitter have been created for our College and are integrated to the website.

Other memorable events included the **Farewell** to our outgoing students and **Womens Day** celebrations.



Farwell to outgoing students on march 30th 2017



Womens Day Celebrations on March 8th 2017 Dr. P.S. Girijakutty's address

Sports



Sports Day Flag Off



Sports Day

Sports events at Jyothi were conducted on 18th march 2017. The winners of various events were:



Mr. Melvin K.B.
Overall sports
champion
Sports Day 2017.



Feba Ann Thankachan
Individual Sports
Championship
Girls

SUDHEESH SUKUMARAN of won the Litto Peter Endowment for Best Shuttle Player award, VISHNU M of won the Jerome James Best Stringer Award, ANTONY SHILTON K A of won the 2nd prize in 1500m, KRISHNANUNNI of got 1st prize in Table tennis.

FISAT Trophy

1st All Kerala Professors' Cricket
Tournament 2017



Runners up - Jyothi Staff cricket team

Arts Day

Arts Day at Jyothi was conducted with great participation and harmonious celebrations of the fine arts by staff and students alike in both onstage and off stage events.



Linus C. Lawrance
of bagged
the Kalaprabhitha
(Arts) Award.



Stephy Akkara
bagged
the Kalathilakam
(Arts) Award.

The off stage events included **Essay Writing** (English, Malayalam, Hindi & Sanskrit). **Story Writing** (English, Malayalam, Hindi & Sanskrit). **Versification** (English, Malayalam, Hindi & Sanskrit). **Cartoon Drawing, Collage, Poster Making, Pencil Drawing, Photography & Oil Painting.** There were also competitions in **Debate** (English & Malayalam) & **Quizzes** were also conducted. On stage events included competitions in **Oppana, Margam Kali, Thiruvathirakali, Mine, Ganamela, Drama, Group Dance, Bharathanatyam, Elocution** (Malayalam, English, Hindi), **Kathaprasangam, Lalithaganam, Classical Music (Vocal) Instrumental Music, Singing** (Group Song, Deshabhakthiganam, Nadan Pattu, Western Solo, Kavitha Parayanam, Fancy Dress, Mimicry & Mono Act.

Updates from Placement and Training Department

The year 2017 has been witnessing a considerable increase in the number of on campus and off campus placement offers to our graduating students. Our young and exuberant minds have already bagged 249 job offers as on March 2017. This is an all time record in the history of JYOTHI since its inception.

Our recruiters included 30 companies namely. Sutherland Global Services, Vee Technologies, Silk Software, Experion Technologies, Ibs Software Services, Poornam Infovision Pvt. Ltd, Kaar Technologies, Adrenalin E Systems, Byju's-The Learning App, CSS Corp, Torry Harris Business Solutions, Speridian Technologies, Support Sages, Fine Engineers & Architects, Amazon, Aztec Solutions, Zerone Consulting, Contus, Neeyamo Enterprises, Mphasis Limited, Milagrow Human Tech, Decathlon Sports India, Thoughtfocus, Bel Technolabs, Infocom Software, IBM, UI Technology Solutions, Experis It India, Federal Bank, Aabasoft Technologies.

Training Programs

Training Programs for students were conducted on 22nd october 2016 by Dr.

P.R. Sreemahadevan Pillai, Professor and H.O.D. NSS Engg. College Palakkad. Another programme was held from 30th October to 2nd November 2016 by M/S Six Phrase ,Coimbatore. The ICT Academy of Kerala conducted a programme titled **Enable Training Program** for all the final year students from 6th to 7th February 2017.

Training Programs for Staff

ICT Academy of Kerala conducted a Personal Empowerment Program for the Non Teaching staff of the college from 30th November to 2nd December 2016.

The following were the key sessions

- Know yourself – Be the initiator
- Goal Setting & Time Management
- Self Esteem & Positive Attitude
- Work Culture
- Office Etiquettes
- Personal & Professional Values & Ethics

Along with ICT Academy trainers ,the internal experts of JECC ,Fr. Roy Joseph Vadakkan, Fr. Joju Chiriyankandath, Fr.Jinto Pereppadan and Er.Boby Peter added value to the program by handling individual sessions.

Innovation and Entrepreneurship Development Centre

Activities

Startup i3 winners

Startup i3 offered a number of opportunities for Jyothians to showcase their talents.

IEDC Nodal Officers Meetup 2017

KSUM organized IEDC Nodal Officers Meetup on 24th and 25th March 2017 at Kochi to take the IEDC into next level. KSUM conducted many sessions for two days and also organised an Interaction with Shri Sivasankar M, IAS, IT Secretary Government of Kerala. Jyothi College of Engineering was given the Performance Award for their accomplishments from among 30 Colleges in the state for the Academic Year 2016-2017 by the Honourable Vice Chancellor Kunjaria P Issac from among 193 colleges in the state which includes Engineering, Polytechnic, Arts & Science and Other academic institutions. Anil Antony, Nodal Officer

Jyothi Engineering College attended the event. This year the MSP Summit was held at the Birla Institute of Technology and Science (BITS), Pilani, Rajasthan, This was part of APOGEE, an annual technical festival of BITS.

IEDC of Jyothi Engineering College conducted a two day workshop named Start-up i3, IN association with Kerala Startup Mission (KSUM) and Openfuel.org on 21/12/2016, 22/12/2016. There were 12 groups from different colleges all over kerala, with 5 members each. This event was hosted by Mohammed Rammes and Rohit Radhakrishnan, two eminent personalities from the kerala Startup Mission and Open Fuel Respectively. The Program was inaugurated by Principal Dr. K K Babu.

Fab XL

The FabXL workshop was held in association with Kerala Startup Mission (KSUM) and FABLAB Kerala. The workshop was designed in such a way as to let the participants get familiar with the digital fabrication machines and usages. Our Students attended the FabXL conducted in MES AIMAT on 3rd & 4th March 2017, St. Joseph's College of Engineering & Technology, Palai on 10th & 11th March 2017, Christ Knowledge City on 11th & 12th March 2017, Sahridaya Engineering College on 24th & 25th March 2017.



Kerala Startup Mission (KSUM)

along with Research Innovation Incubation Design Labs (RiiDL) and Vigyanashram hosted the 3rd annual international conference named Fab Asia Conference 3 (FAN3) on 17,18 January 2017 at Mill Hall, Mattancherry. FAN3 was an event focusing on digital fabrication and international collaboration. It gathers the Fab Lab Asia Network which includes more than 80 labs located in 20 countries in the Asia Pacific regions and also local makers from India to make it a creative cultural festival. From our institution, Jinesh K.J, IEDC staff

attended the event.

JERIN JOSEPH JOHN of S8 ME-A secured the THIRD PLACE in the ALL KERALA STARTUP i3 event conducted by Kerala startup mission.



Mastermind – A Joint venture of Malayala Manorama, IBS and Amal Jyothi College of Engineering held this time in LULU convention center, Thrissur on 27th January 2017. A group of 35 students & 2 IEDC staff attended the program.

Smart India Hackathon 2017

A live telecast of Next India's Idea Leadership Talk with Shri. Prakash Javadekar, Hon'ble Minister of HRD, Government of India and Chief Patron, Smart India Hackathon 2017 was shown to the students on Jan 18, 2017 at 2.00 PM at the Decennial Hall

Jyothi students participated in Smart India Hackathon on the 1st & 2nd of April 2017 at College of Engineering, Pune.

Group members included :- Thejus Tony, S4 ECE-B, Sooraj O.R., S4 ECE-B Sophy Shaju, S4 ECE-B, Varadha N., S4 ECE-B, Noel Vincent, S4 CSE-B, Vishnu K, S4 CSE-B, Mentors: Mr. Abin Johns & Mr. Jinesh K.J (Asst. Professors, ECE)

Ktu - Kscte (Ketcon) Techfest 2017

Date: 13th & 14th Jan 2017

Venue: MA College Kothamangalam



Project Exhibited for Competition

Bernard of S3 Mechanical Engineering got the first prize in the Paper Presentation competition held at

KETCON 2017. The project titled "Holographic system with gesture control" guided by Ms. Sobha Xavier, Asst. Professor, CSE, was one among the five teams to win the Consolidate prize in the KETCON 2017.

The Following Projects were funded by - KTU & KSCSTE 2017

1. The project titled "Fire Mitigation System for Household: Fuzzy Fire Extinguisher" guided by Mr. Abin Roy, Asst. Professor, EEE

Financial support of Rs 10,000/-

Group Members: Athira Das K, Haritha K K, Joyal Paul, Tony J Vadakkan Vishnu Saseendran Saseendran

2. The project titled "Multi-Tasking Gas Cylinder Trolley" guided by Mr. Jinesh K.J, Asst. Professor, ECE

Financial support of Rs 5,000/-

Group Members: V.S. Anjali, Veena C.V., Sajin Thomas Melon Jobi

3. The project titled "Holographic system with gesture control" guided by Ms. Sobha Xavier, Asst. Professor, CSE Financial support of Rs 10,000/-

Group Members: Anna Joby, Agna Bastin

Alfin Lawrence, Deen Shifaz,

Yuva Mastermind 2017 Conducted by Malayala Manorama

1. The project titled "LOW COST TOTAL STATION" guided by Mr. Sooraj Krishnan Asst. Professor, CE

Financial support of Rs 10,000/-

Group Members: Manu C Paul, Hebin J Chiriyankandath, Maria Rose Vincent Mr. Manu C Paul, Mr. Hebin J C and Ms. Maria Rose Vincent got a funding of Rs. 15,000/- from Malayala Manorama – Yuva Mastermind for their innovative project: Low Cost Total Station.

Student Partner (2016-2017)

Ms. Sona S S8 CSE

Was selected as **Mozilla Firefox** Student Ambassador and College Representative of E-Cell, IIT Bombay

Internshala Student Partner:

Allen Francis Antony 2. Aatmaj Janadhanan 3. Jo Thomas

ISTEv Student Chapter Activities 2016-2017

ISTE Student chapter JECC conducted a sponsored talk on "Recent trends in waste water management". It was Organized by the CE Department on 22nd March 2017. The speaker Dr. P.M. Maheesan, Principal of Swami Nithyananda Polytechnic College, Kanhangad focused on the current scenario of the water scarcity and how to deal with such a situation. The speaker also gave details of waste water treatment schemes to the students.



ISTE Student chapter JECC organized **World Water Day** celebrations at Jyothi Engineering College on 22/03/2017. The programme was organized in association with IE (I) (Electronics and Communication Engineering) of JECC chapter. Dr. P.M. Maheesan, Principal of Swami Nithyananda Polytechnic College, Kanhangad inaugurated the function and briefed the students about reducing and reusing water.



Department of Civil Engineering

Student Achievements

University Result:

First & Second Positions S3 : Christy Mol Joshi, 7.69, Tania 7.69, Vineetha 7.64, Raeesa U. 7.64

Second & 3rd Positions S6 : Ambili P. 8.91, Mariya Rose Vincent 8.57, Anu Paul V 8.32

First, Second & 3rd Positions S4: Christy Mol Joshi 8.29, Vineetha 8, Tania 7.76

Other Achievements

Ms. Sanila P. S. of S8 Civil won the scholarship exam C Prize organized by NACTET and she received a scholarship of Rs. 25,000/-

Ms. Maria Rose Vincent of S8 Civil won the Prof. Radhamany endowment award instituted by the Department of Civil Engineering for the Best Outgoing Civil Engineering student.

Ms. Ambili P was adjudged the best outgoing student from Civil Engineering Department.

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

Mr. Abhishek T S, Ms. Anna Vincent and Ms. Deepika P of S8 presented a paper titled, "Design consistency evaluation for two-lane rural roads: A case study from Kerala", at the 4th Conference of Transportation Systems Engineering and Management, Transportation Engineering Division, Anna University, 12-13 May 2017.

Ms. Asha Dominic and Ms. Henna Maria Paul presented a paper titled "Crash prediction modeling of rural highway curves using consistency index" at the 4th Conference of Transportation System Engineering and Management, Transportation Engineering Division, Anna University, 12-13 May 2017.

Ms. Henna Maria Paul and Ms. Asha Dominic of S8 presented a paper titled, "Effect of consistency on safety of non-urban highway", at the National conference on recent advances in civil engineering and technology, Vidya Academy of Science and Technology, Thalakkottukara, May 24-26, 2017.

Mr. Abhishek T S, Ms. Anna Vincent and Ms. Deepika P, presented a paper titled "Operating speed model development for two-lane rural highways", at

the National conference on recent advances in civil engineering and technology, Vidya Academy of Science and Technology, Thalakkottukara, May 24-26, 2017.

Ms. Akhila Francis, Ms. Ansa Babu P, Ms. Chithira Surendran, Mr. Rivin Varghese, Ms. Rosmy Sebastian of S8 presented a paper titled "Acoustics of Large Buildings: Simplified Approach for Design Evaluation and Remedial Measures", at the National conference on recent advances in civil engineering and technology, Vidya Academy of Science and Technology, Thalakkottukara, May 24-26, 2017.

Faculty Achievements

Publications:

A paper on 'Highway Safety Evaluation – A New Methodology' by Dr. Anitha Jacob was presented at the National Conference on Emerging Trends in Civil Engineering organized by Department of Civil Engineering, GEC Kozhikkode between 7th and 8th October, 2016.

Other Achievements:

Prof. S. Rathish delivered a keynote address during 'World Water Day Celebrations' organized by Jalandhi, Govt. of Kerala on 22nd March 2017.



Dr Anitha Jacob



Prof S Rathish

Department Activities

Ms Neeraja P G and Ms Nisni M Ashraf coordinated a three day workshop on PRIMAVERA & STAAD. Pro. V8i from 10.1.2017 to 12.1.2017



FDP ON PRIMAVERA & STAAD.Pro.V8i

Dept. of Computer Science And Engineering

Student Achievements

Mr. Alfin Lawrence, Ms. Agna Bastin, Ms. Anna Joby, Mr. Deen Shifas won the special prize for the Project Contest category in the KSCSTE funded project under the guidance of Ms. Sobha Xavier

Aatmaj and team won the 2nd prize in the fusion dance competition held at St. Alphonse College

Mr. Deen Shifaz of S8 CSE A and team composed and edited a Tamil song album for Tharang '17.

15 students of S2 CSE B completed a MOOC course on "Introduction to Drones".

All S4 students of CSE completed a MOOC course on "Introduction to Computer Science" administered by Stanford University.

Lipin Pius, Chris Davis, Leon Jose and Philip Roy, from S6 CSE have succeeded in developing a real-time Linux kernel for their smart-phone Lenovo Vibe K5 from Android-based sources.

The projects titled "Crime Reporting System" by Ms. Sreelakshmi & her team & "Virtual Reality campus for handicapped" from the Computer Science & Engineering Dept. were selected for the KiTS Innovibes 2017, Kottayam Institute of Technology & Science Innovation Centre.

The project titled "Virtual Reality Campus For Handicapped Persons" done by ALFIN LAWRENCE, DELILA JOSEPH, GENTLESAM WILSON, JERIN KJ and JESNA.V.J of S8 CSE A got shortlisted in 6th CSI InApp National Student Project Awards 2017

The project work titled "RAKSHA PENDANT" done by JISHMA JACKSON, DIVYA ANDREWS, AKASH THOMAS, JESNI TOMY, JINCY K. WILSON of S8 CSE A was shortlisted in 6th CSI InApp National Student Project Awards 2017

The project titled "LOW COST SECURITY ALERT IMPLEMENTATION" done by JAYAKRISHNAN A, HASHLIN P

JOSE, ARUN J P, JINI JOHN T, ATHIRA C A of S8 CSE A was shortlisted in 6th CSI InApp National Student Project Awards 2017

(i) Mr. Vishnu K, Mr. Noel Vincent of S4 CSE B participated in 36 hr Smart India Hackthon at College of Engineering Pune held on 1st and 2nd April 2017 (ii) Vishnu K, Noel Vincent, Surya of S4 CSE B received 2nd prize and was selected in final round of ibeto (Innovations of better Tomorrow) held at KSUM Kalamassery

M Tech

The following papers were presented at the 6th IEEE international conference on Communication and Signal Processing at Adhiparasakthi Engineering College, Melmaruvathur on 7th April 2017 : (a) "A Predictive Trust Based Social IoT Architecture for Smart Homes", by Haritha R B (S4 M Tech) co-authored by Ms Divya M Menon. (b) "An Independent Feature Based Real-time Video Anomaly Detection System", by Jithin Dev (S4 M Tech) co-authored by Mr Unnikrishnan P. (c) "An Incremental Semi-supervised Approach for Visual Domain Adaptation", by Neethu K S (S4 M Tech) co-authored by Mr Dany Varghese. (d) "A Deep Neural Network Model for Attack Identification in WiFi Networks", by Reshma K R (S4 M Tech) co-authored by Ms Jyothis T S. (e) "Ideal Font to be Used in Traffic Sign Boards", by Roshmy George (S4 M Tech) co-authored by Dr C K Raju. (f) "Haar Wavelet Transform Based Histogram Concatination Model for Finger Print Spoofing Detection", by Susan Shaju (S4 M Tech)

Department Activities



An FDP on "Design Thinking" was held on 30th and 31st January 2017. The resource person

Mr. Rohit Radhakrishnan, CEO Open Fuel, addressed the participants.

Invited Lecture Series

A talk on "Career Growth in Information Technology" was delivered by Prof. Francis George on 27/1/2017

A talk on "An Introduction to Water Quality Management" by Prof S Rathish, Professor and Head, Department of Civil Engineering on 17/2/2017.

A workshop on "Innovations in teaching programming languages" was conducted by Fr Dr A K George on 24/3/2017.

A workshop on "Programming in Python" was conducted by Dr. C K Raju, Ms. Ninu Francis and Ms. Reshma K V on 10/3/2017.

Paper Presentation / Publication

DELILA JOSEPH, JESNA V J and GENTLESAM WILSON of S8 CSE A published a paper on "Virtual World Using Virtual Reality" in the International Journal of Advances in Computer Science and Technology.

Anumol and Daze Thomas of S8 CSE A published a paper on "Vrycle- A Virtual Reality Experience" in the International Journal of Advanced Research in Computer Science and Software Engineering under the guidance of Asst. Prof. Ninu Francis

Albin Vince¹ and Arnold Tom of S8 CSE A published a paper on "COMPARATIVE STUDY OF VEHICLESPEED CONTROLLING SYSTEMS" in the International Journal of Advanced Research (IJAR) under the guidance of Asst Prof. Shaiju Paul

Anagha Paulson, Aleena Seby & Agna Bastian of S8 CSE A published a paper on "ADAPATIVE SPEED CONTROLLING SYSTEM" in the International Research Journal of Engineering and Technology (IRJET)

Aparna Mohan and Dilsha Hyderali of S8 CSE A published a paper on "SECURED ONLINE PAYMENT SYSTEM-A REVIEW ON VARIOUS TECHNIQUES" in International Journal of Advanced Research (IJAR) under the guidance of Asst Prof. Swapna B Sasi

Aaditya Anil, Arjun T A and Harry John of S8 CSE A published a paper on

"Secured Online Payment System" in International Research Journal of Engineering and Technology (IRJET) under the guidance of Asst. Prof. Swapna B Sasi

Anjali C and Giya Antony of S8 CSE A published a paper on "AUTONOMOUS EYE" in International Journal of Advanced Research (IJAR) under the guidance of Asst Prof.. Reshma K.V

Anna Joby, Annmariya James.P and Freceena Francis of S8 CSE A published a paper on "PATIENT MONITORING SYSTEM USING RASPBERRY PI-A REVIEW" in the International Journal of Advanced Research (IJAR)

C Midhudas, George Antony of S8 CSE A published a paper on "Patient Monitoring System Using Raspberry Pi" in International Journal of Science and Research (IJSR) under the guidance of Ms.Seenia Francis

Christy Robert and Dhanya P Iyer of S8 CSE A published a paper on "A SURVEY ON ATM FOR VISUALLY CHALLENGED PEOPLE." in the International Journal of Advanced Research (IJAR)

Aiswarya Paulson, Abee Joe Varghese and DeenShifaz of S8 CSE A published a paper on "ATM FOR VISUALLY CHALLENGED PEOPLE" in the International Research Journal of Engineering and Technology (IRJET) under the guidance of Asst. Prof. Aneesh Chandran

Athira CA, Hashlin P Jose and Jini John T of S8 CSE A published a paper on "Security Alert Using Face Recognition" in International Journal of Advances in Computer Science and Technology under the guidance of Asst. Prof. Aswathi Wilson

Ms. Jisna P J of S2 MTech CSE made a presentation on "Early Glaucoma detection using Cup to Disc Ratio" under the guidance of Asst. Prof. Aswathy Wilson at the 29th All Kerala Science Congress held at Mar Thoma College Thiruvalla

Ms. Aswathy A K of S2 MTech CSE presented a poster on "Interactive Image and Text Extraction using ACP

cut & CRF " under the guidance of Asst Prof.. Diana Davis in 29th All Kerala Science Congress held at Mar Thoma College Thiruvalla

Sona S, Ruksana T M, Jithin Joy C and Sujan P K of S8 CSE B presented paper entitled "AugTran: Augmented Reality Translator" in the International conference on Innovations in Information, Embedded and Communication System 2017 (ICIIECS'17).

Staff Activities



Divya

Ms. Divya M Menon, Associate Professor (CS) received the Session Best Paper Award in the 4th International Conference on Computer, Control and Communication Technologies (CCCT-17) held at Kuala Lumpur (Malaysia) for her paper titled "A secure Deep Belief Network Architecture for Intrusion Detection in Smart Grid Home Area Network"

Fr Dr A K George was the resource person at John Mathai Centre, Aranattukara, Thrissur for the seminar titled "The Ultimate Operating System" conducted as part of their college day celebrations on 05 Feb 2017.



Ninu



Reshma

Ms. Ninu Francis and Ms. Reshma K V, Asst Profs in CSE completed a MOOC course in Python titled "Programming for Everybody", administered by University of Michigan.

Prof. M T Rajappan Pillai participated in the workshop on Approval Process 2017-18 conducted by AICTE at Cochin University of Science and Technology, Kochi on 5th February 2017.



A K George

Fr. Dr. A K George delivered a talk on "Principles of programming" for UG students of the CSE Department of Thejus Engineering College



Rajappan Pillai

Result Analysis (B.tech)

Pass percentage in Sixth semester BTech examination of 2013-2017 CSE-A batch is 80.

Pass percentage in Sixth semester BTech examination of 2013-2017 CSE-B batch is 78.82.

Dept. of ECE

Paper Presentation / Publication

Paper titled "Braille Code Conversion to Voice in Malayalam", by Ms. Bindhu K Rajan & Ms. Anjitha V was accepted for presentation at 6th IEEE International Conference on Communication and Signal Processing (ICCSP '17) to be held at Adiparasakthi College of Engineering, Melmaruvathur, Tamil Nadu, between 06/04/2017 and 08/04/2017.



Anjitha V



Bindhu K Rajan



Roshni Rajan

Paper titled "Drowsiness detection and Rescue system" by Ms. Roshni Rajan was published in International Journal of Science and Research.

Project Presentation

The Project entitled 'Multi -Tasking Gas Cylinder Trolley' guided by Mr. Jinesh K J, Asst. Professor, ECE was presented in TECHATHON- INNOVATE – TECHFEST 2017 sponsored by KSCSTE (Kerala State Council for Science, Technology and Environment) at Mar Athanasius College of Engineering, Kothamangalam on 13/01/2017 & 14/01/2017.

Staff Activities

SEMINARS / WORKSHOPS ATTENDED

Mr. Ponmani Raja, Asst. Professor, attended one day training programme on "Excellence Growth through NBA" at Mariot Hotel, Ernakulum on 13/01/2017.

Mr. Jinesh K J, Asst. Professor, attended two day programme "FAB Asia Network- FAN3" at Kochi on 17/01/2017 & 18/01/2017.

Mr. Jinesh K J, Asst. Professor, attended ASAP Programme coordinators meeting at ASAP Centre, Govt. of Kerala, Vazhuthacaud, Trivandrum on 28/02/2017

Mr. Jinesh K J, and Ms. Shiny M I, Asst. Professors, ECE attended ASAP Workshop on "Training on Trainers" at ASAP Centre, Vazhuthacaud, Tvm from 07/03/17 to 09/03/17.

STUDENT ACHIEVEMENTS

Project work titled "KAVACH" by Mr. Thejus Tony, Ms. Varadha, Mr. Sooraj O R and Ms. Sophy Shaju of S4 ECE B, mentored by Mr. Jinesh K J and Mr. Abin Johns Raju, Asst. Professors, ECE, JECC was selected for presentation at Smart India Hackathon sponsored by MHRD, Govt. of India at Government College of Engineering Pune between 31/03/17 and 02/04/17

Mr. Josy Joseph, Ms. Keerthana Haridas, Ms. Ciya James, Ms. Jeslin and Ms. Gopika Unnikrishnan of S8 ECE A won the second prize in the Project Competition, Thejomaya held at Thejus Engineering College on 28/03/17.

Mr. Naveen K and Mr. Sankalp O R won the 2nd prize in startup I3 program held at UKM College, Kollam.

Ms. Sophy Shaju and Ms. Varadha N won the 1st prize in startup I3 program held at Mets Engineering College, Mala.

Students Paper Presentation

The paper titled "Magnetic Proximity and Intensity Detection", by Blessy C Simon, Juval Jojo, Anoop Anto and Femi R Rappai guided by Mr. Abin Johns Raju has been accepted for publication in International Journal of Science Technology & Engineering (IJSTE).

The following project papers were presented at 4th IEEE International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS '17) held at Karpagam college of Engineering, Coimbatore on 17/03/2017 & 18/03/2017 :

The paper titled "Wireless Health Monitoring System for ECG, EMG and EEG Detection", by Linson K Vincent, Lisiya Varghese, Liya V L, Neethu Johny, Yesudas C V guided by Ms. Nyni K A.

The paper titled "Portable Biometric attendance system with automatic

updatation", by Maria Mathews, Niya C K, Reshma K, Sudeepa S Nair, Swathi K S guided by Mr. Jinesh K J.

The following project papers have been selected for presentation at the IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT-2017) to be held at Baselios Mathew II College of Engineering, Sasthancotta, Kollam district on 20/04/2017 & 21/04/2017 :

Paper titled "Automation of 11 kv substation using raspberry pi" by Richu Varghese, Sai Krishnan S, Swayambu T A, Thasneem P, Steve Thomas guided by Ms. Asha John

Paper titled "Design And Implementation of RF Controlled Miniature Fan" by Juliya Sunny, Almaria Thomas K, Jyothish P M, Jayaprakash P R guided by Ms. Sindhu S.

Paper titled "Wireless Health Monitoring System For Detection of ECG, EMG AND EEG", by Linson K Vincent, Lisiya Varghese, Liya V L, Neethu Johny A, Yesudas C V guided by Ms. Nyni K A

Paper titled "Low cost Android Spectrum Analyzer using RTL-SDR Dongle", by Jinto Jose, Rinsa Edison, Safa Sherin, Swetha T M and Varadha C guided by Mr. Dipinkrishnan R

The paper titled "Multitasking EMG controlled robotic arm", by Reshma Roy, Neema Mohan, Reynosh Sunny, Shani Cherian, Sreejith Narayanan guided by Ms. Ambily Francis.

The paper titled "Virtual Keyboard", by Tressa Francis, Maritta Simon, Vishnu Babu K, Leo Pius, Vineeth Francis guided by Ms. Shaicy P Shaji.

Paper titled "WSN Based Industrial Parameter Monitoring Using Smart Watch" by .Sandeep C.M., Sandra P.S., Vivek Nair, Vindhuja M.V and Shruti S. Nair, under the guidance of Mr. Ponmani Raja

Department of Electrical & Electronics Engg

Events

Department of EEE conducted a two day workshop on "Robotics and

Embedded System" in association with ISTE for the 5th Semester (2015 Admn. batch) Students on 21st and 22nd October-2016.

Dr. A. K George, Prof. CSE Dept. Amal Jyothi Engineering College, inaugurated the AEEE activities for the year 2016-17 on 21st October-2016. He delivered a talk on "How to achieve Successes".



The Department of EEE organized a 5 days STTP on "Research Methodology" in association with ISTE from 11/01/2017 to 15/01/2017. Dr. C Krishna Mohan, Prof. IIT Hyderabad inaugurated the function. Fr. Roy Joseph Vadakkan, Asst. Manager, Academics & Administration presided the function. Special address was given by Dr. K KBabu, Principal, JECC. Dr. Sunitha (NIT Calicut), Dr. Arunachala Perumal (S AEngg College, Chennai), Dr. T D Subash (IEEE Madras Section Photonics Chairman) handled various sections.



PMKVY Assistant Electricians Course was inaugurated on 20/01/2017 by Msgr. Thomas Kakkassery, Manager JECC. Dr. K KBabu, Principal, JECC presided the function. Mr. Johny Manichira, Panchayath President Panjal and Mrs. Padmaja, Panchayath President Vallathol Nagar attended the function as guests of honor.



Student Achievements

Ms. Stephy Akkara and Ms. Smruthi Krishna K (S8 EEE – 2013 Adm) presented a paper on “ Power System Harmonics – Sources ,issues and mitigation in the district level seminar competition organized by the KSEB Engineers Association with the support of IEEE Power and Energy Society Kerala Chapter held on 07/01/2017 and won the first position.

The project titled “Tongue driven wheel chair ” by the S8 EEE (2013 ADM) students Ms. Nimitha R Shenay, Mr. Deepak Vijayan, Mr. Besto ,Mr. Anto P K, Mr.Jackson Xavior guided by Ms. Anu Sunny (APEEE) has been selected for exhibiting in the Jyothi Pavilion of Thrissur pooram exhibition.

Ms. Jismi Vincent (S4 M.TECH PE) & Ms. Aathira K V (APEEE) published a research paper titled on “ Improved non – isolated Bidirectional DC – DC Converter with High Voltage Gain for PV Hybrid Power Systems in the ICCPCT - 2017 held at Baselios Mathews II College of Engineering , Kollam during 20th & 21st April 2017.

Ms. Tania Augustine (S4 M.TECH PE), Mr. Jenson Jose(APEEE) & Ms. Aswathy Rajan (APEEE) published a a research paper titled on “ Phase SHIFT and Duty Cycle Control of Interleaved Boost Three Port Converter with Multiplier Rectifier” in the ICCPCT - 2017 held at Baselios Mathews II College of Engineering , Kollam during 20th & 21st April 2017.

Ms. Jismi Vincent (S4 M.TECH PE) & Ms. Aathira K V (APEEE) published a research paper titled on “ Non – isolated Bidirectional DC – DC Converter for PV Hybrid Power Systems in a National Conference on Energy and Environment Management held at NSS Palakkad during 16th & 17th March 2017.

The project titled “Brain Sticher Using Biochip” by the S8 EEE (2013 ADM) students Hariitha A P, Milner Paul, Paulson M J and Sisira P, guided by Dr.Jarin T received a grant of 25000/- from the CERD, KTU campus, TVM.

Ms. K P Sherin (S2 M.Tech PE, 2016 Adm) published a paper “Renewable Power Centered Intelligent Power Supervision System for Households” in the Middle East Journal of Scientific Research.

Ms. Sumayya Thasneem, S6 EEE (2014 Adm) got the certificate of proficiency for securing the first place in the 3rd semester B.tech Examination of Calicut university held in 2016.

Ms. Sreelakshmi P N, S4 EEE (2015 Adm) got a certificate of proficiency for getting the first place in the 2nd semester B.tech Examination of APJ Abdul Kalam Technological University held in 2016

Ms. Jismi Vincent, S4 M.Tech PE got the certificate of proficiency for getting the first place in the 2nd semester M.tech Examination of APJ Abdul Kalam Technological University held in 2016.

Mr. Joffy Joseph, Mr. Anil A N, Mr. Clint Paul, Ms. Christy Rose and Ms. Rini Federic of S8 EEE (2013 Adm) under the guidance of Mr.Shijoh V , AP, EEE proposed and successfully implemented a project titled “ Smart Vehicle Security System for Ensuring the Non – Violation of Traffic Rules by Drivers” to reduce road accidents.



Faculty Achievements

Dr. Jarin T (Assoc. Prof., EEE) chaired a session in the International Conference on “ Emerging Trends In Engineering & Technology” conducted by Arunachala College of Engineering for Women, Kanyakumari during 9th & 10th December 2016.

Mr. Akhil A Balakrishnan, AP, EEE qualified GATE’ 17. Mr. Akhil A Balakrishnan, AP, EEE was the Resource

person for a one day Workshop on “Technical Document Preparation with LATEX” organised by Department of Electrical & Electronics Engineering, JECC in association with Institution of Engineers (India) on 1st March 2017.

Mr. Alister Polwin and Mr. Davis K T, Trade Instructors, EEE department qualified as bonafide trainers & got certificates of the course titled “Assistant Electrician” as a part of DAT scheme of ASAP conducted by Govt. of Kerala.

Paper Publications

Ms. Reshma Raj C (AP, EEE), Ms. Aathira K V(AP, EEE) and Dr. Jarin T(Asso. Prof, EEE) published a paper on “Methods for Assimilating Non-Deterministic features in PWM Tactics of Induction Motor Drives & FPGA Based Experimental Presentation in the International Conference organized by the Arunachala College of Engineering for Women, Kanyakumari on 9th and 10th December 2016.

Mr. Shijoh V (AP, EEE) and Dr. JarinT(Asso. Prof, EEE) published a paper on “Direct Control of Autonomous Hybrid System with Inverse Dynamics Controller and ANN State estimator – A critical comparison with MPC Based System” in the International Conference organized by the ArunachalaCollege of Engineering for Women, Kanyakumari on 9th and 10th December 2016.

Dr. Jarin T(Assoc. Prof.,EEE) and ShijohV(APEEE) published a paper on “Sustentation of Energy by Contemporary GSM Based Prepaid Energy Meter ” in the International Conference organized by the ArunachalaCollege of Engineering for Women on 9th and 10th December 2016. He also published research papers on “Enhancement of Efficiency in Nanocoated Induction Motor”, in the World Applied Sciences Journal Page Nos: 325 – 329, 2017. & One on “Critical Investigation of Minimum Field Conductor for Overhead Transmission Lines” in the Middle East Journal of Scientific Research.

Dr. Jarin T(Assoc. Prof., EEE) and ShijohV(APEEE) published a research paper “Renewable Power Centered

Intelligent Power Supervision System for Households” in the Middle East Journal of Scientific Research.

Dr. Jarin T (Assoc. Prof., EEE), Mr. Akhil A Balakrishnan (AP, EEE) and Mr. Shijoh V (AP, EEE) published a paper on “Phase shift Controlled Full Bridge DC – DC Converter with Less Circulating Loss ” in the International Conference organized by the Arunachala College of Engineering for Women on 9th and 10th December 2016.

Dr. Jarin T (Assoc. Prof., EEE), Mr. Akhil A Balakrishnan (AP, EEE) and Mr. Shijoh V (AP, EEE) published a research paper “Sustentation of Energy by a Contemporary GSM Based Prepaid Energy Meter” in the Middle East Journal of Scientific Research.

Ms. Athira K V , AP, EEE published a paper titled “Non – isolated bidirectional DC – DC Converter for hybrid power systems” in the National Conference on “Energy and Environment Management” – EEM 2017 during 16 – 17 March, 2017 organized by Dept. of EEE , NSS College of Engineering , Palakkad, in association with ISTE.

Department of Mechanical Engineering

Iste Student Chapter Activities 2016-2017

Twenty six students (S8ME) successfully completed a 40 hours Add-on Course on SHEET METAL DESIGN USING SOLIDWORKS, conducted by the Association of Mechanical Engineering Students in tandem with SAEINDIA.

Mr. C. Karunakaran, Lead Instructor, MAHA Industrial Skill Development Centre, Vellore, Tamil Nadu, gave an talk on “Application of FEM in Biomedical Engineering”.

The 2016-17 activities of AMES & SAEINDIA were inaugurated by Mr. Sudheer Mohan (Director of Wipro Technologies). The chief guest delivered an erudite and enlightening talk on ‘Technology’.

The Mechanical Engineering Department of Jyothi Engineering

College, Cheruthuruthy in association with SAE (India), Kerala Start up mission and IEDC conducted 48hour hackathon - Agora'16 - GERIATRIC CARE AND MANAGEMENT. Twenty Nine teams comprising 130 students from five Departments participated in the competition. The chief guest of the event was Mr Nirmal George, Co-Founder BUILD-NEXT. The First prize of Rupees five thousand and a Trophy were awarded to Mr. Deepak Vijayan, Ms. Nimitha R Shenoy, Mr. Anto P.K, Mr. Jackson Xavier and Mr. Besto Goerge, students of the Electrical Engineering Department for their work on Tongue Driven Wheel Chair. Mr. Vishnu Saseendran, Mr. Anand Rajan, Mr. Varun Krishnan, Mr. Thejus P.M., and Jithu Selwyn bagged the second prize for their work on Smart Shoe for Geriatric Care.

Staff Activities

Biju, C. V. and M. S. Shunmugam, published a paper titled “Development of boring bar with MR fluid damping and assessment of its dynamic characteristics”, Journal of Vibration and Control.

Mr. Anto Zacharias (APME) & Suneeth Sukumaran (APME) attended FDP on Tribology and Surface Engineering at Saintgits College of Engineering on 19,20,21 December 2016.

Mr. Suresh O.P. (APME) attended a one week Short-Term course on “Advanced Machining Techniques” organized by Department of Mechanical Engineering, Pondicherry Engineering College, Puducherry.

Mr. Jithin K. Kuriakose (APME) attended an FDP on “Advanced Mechanics of Solids” organised by KTU at Adi Shankara College on 5th, 6th and 7th Jan 2017. & 23rd, 24th and 25th January 2017.

Students Achievements

Biju C.V, Akhilesh P.R (S4 ME-A) Presented the paper “Enhancement of Surface Finish Using Abrasive

Flow Finishing (AFF) Process” in the international conference National Conference on Technological Advancements in Civil & Mechanical Engineering (NCTACME'17), held at KMEA Engineering College, Cochin.

Students of S8 ME-A, Jerin Joseph John, Jemin Johnson, Jeffin C. Joy, Asish Johnson, Geo John and Mr. Suresh O.P. AP/ME designed and Fabricated a project titled “DESIGN AND FABRICATION OF AUTOMATIC PATIENT TRANSFER MULTIPURPOSE MEDICAL BED”

students of S7 ME (Krishnaprasad T.S., Vigil Roy V., Jerin Joseph John & Ramakrishnan C.P.) participated in startup i3 at Vimal Jyothi Engg. College, Kannur and won the 3rd prize worth Five thousand rupees.

Mr. Suneeth Sukumaran (APME), Mr. Bimal Bastin, Mr. Deepak P.J., Mr. Fezin Mathew, Mr. Gokul K.S., Mr. Garyson George presented a paper titled “Fabrication and analysis of Forced Draft Cooling Tower” in the National Conference on “Latest Trends in Mechanical Engineering” organized by Department of Mechanical Engineering at NSS Engineering College from March 23-25.2017.

Mr. Akhilesh P.R. of S4ME-A presented a paper titled “Enhancement of Surface Finish using Abrasive Flow Finishing Process” at National Conference on Technological Advancements in Civil and Mechanical Engineering (NCTACME-17) Organized by C.H. Mohammed Koya KMEA Engineering College, Aluva.

Mr. Martin K. Vincent, Mr. Vipin Varghese, Mr. Suneeth Sukumaran (APME) published a paper on the topic “Fabrication and Analysis of Fatigue Testing Machine” in International Journal of Engineering and Science.

Mr. Sreejith K (APME), Mr. Rizwan, Mr. Sachin M. P., Mr. Krishnaprasad T. S., Mr. Varkey F. Thachil, Mr. Swaroop M. P.,

presented a paper titled "Experimental Investigation of A Household Refrigerator Using Evaporative Cooled Condenser" in the National Conference on "Latest Trends in Mechanical Engineering" organized by Department of Mechanical Engineering at NSS Engineering College from March 23-25.2017.

Nixon Johny, Murali T R, Manu Mathew P.S. of S6 ME-B presented a paper on 'CARBON DIOXIDE CAPTURE FROM FLUE GAS' in National Conference on Latest Trends in Mechanical Engineering (NCLTME 2017) held at NSS PALAKKAD.

Mr.Christy V Vazhappilly (AP/ME) and five students of S8ME-B (Kurian Seby, Nikhil Chacko, Nithin P Rajan, Sony Thekkiniyath, Kapil Dev E J) Published their Mini Project as a research paper titled "Design and Fabrication of Manual Spring Rolling Machine" Int. Journal of Engineering Research and Application (IJERA).

VARKEY F THACHIL & NIKHIL CHACKO of S8ME-B won the 2nd prize on startup i3 conducted by Kerala startup mission at Rajagiri School of Engineering & Technology.

Krishnaprasad T S, Sachin M.P, Swaroop, Rizwan, Varkey F Thachil of S8ME-B Presented a paper entitled "EXPERIMENTAL ANALYSIS OF REFRIGERATOR USING EVAPORATIVE COOLED CONDENSOR" on VIBHAVANA 2017 at JEC Cheruthuruthy.

Nisha Sherief (APME) & Sudheesh Sukumaran, Jithin E Joseph, Jithin Sunny, Rakhil K. of S8ME-B Published a paper entitled "Thermoelectric Power Converter" in Open Journal of Engineering Research and Technology.

Nisha Sherief (APME) & Praveen P, Mebin Devasia, Linus C Lawrence, Albin E.J, Nibin F Bennan of S8ME-B published a paper entitled "GASOLINE VAPOUR RECOVERY SYSTEM" in International Research Journal of

Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Volume: 04 Issue: 01 | Jan -2017 ISSN: 2395-0072.

VARKEY F THACHIL & NIKHIL CHACKO of S8ME-B got the 4th prize in the quiz competition conducted at Viswajyothi College of Engineering and Technology Vazhakulam.

Vishnu Krishnan, Jithu boban, Vivek Balachandran, Vasyan K. of S8ME-B won the Best Performer Award Fab XL workshop conducted by Kerala start up mission at CKC Perumbavoor.

Royson K Wilson, Sam Thomas, Sanal V S, Sanju Rappai, Arun K.R of S8ME-B won the 1st PRIZE in NON CIRCUIT CATEGORY for SRISHTI PROJECTR EXPO on the topic "FABRICATION OF AQUATIC WEED REMOVER".

ADARS S., AKSHAY MADHU, ARUN KRISHNAN, BETSON JOSE and BIMAL BASTIN of S8 ME(A) published a paper in IJERA on "FINITE ELEMENT ANALYSIS OF WHEEL RIM USING ABAQUS SOFTWARE" under the guidance of Mr.PraveenRaj, Asst. Professor, Jyothi Engineering College.

ARAVIND M. S., ARIF P., ARJUN E., ASISH JOHNSON and AVINASH RADHAKRISHNAN of S8 ME(A) published a paper in IJERA on "CUSTOM ANGLE CEILING FAN" under the guidance of Mr. CIJIL B. JOHN, Assistant Professor, Jyothi Engineering College.

Mr. John C.J. of S4ME-A won the certificate of proficiency for topping the second semester result (9.29SGPA).

JACKSON MADASSERY, JECKO P. GEORGE, JIJIN P. JOSEPH, JOSHUA VARGHESE of S6ME-A participated in D-Zone Cricket Matches.

ALBERT P WILLIAM, ALEX BABU, JEFIN BABU E of S6ME-A got 1st prize in SHIKHARA 2K17 Inter collegiate Dance Competition, St.Alphonsa College Pala.

ALBERT P WILLIAM, ALEX BABU of S6ME-A got 2nd prize in Dance

competition at GEC Palakkad.

Calwin J. Kundukulam of S8 ME-A was given the following certificates during 2016-17.

Certificate for Best Outgoing student from Mechanical Department.

Certificate for Best Mathematician Award.

Certificate for achieving above 9.0 SGPA.

ALL KERALA BIOMEDICAL PROJECT EXPO conducted by the Jubilee Mission Hospital at Thrissur selected the project "DESIGN AND FABRICATION OF AUTOMATIC PATIENT TRANSFER MULTIPURPOSE MEDICAL BED".

The same was Selected for COMMOS PROJECT EXPO conducted at Nehru Engineering College. The project "DESIGN AND FABRICATION OF AUTOMATIC PATIENT TRANSFER MULTIPURPOSE MEDICAL BED".

Department of Basic Sciences and Humanities

At the lag end of the academic year 2016 – 17 the BSH Department saw to the successful conduct of sessional examinations and Lab work of the first year students.

Ms. Viji E.P. of the Mathematics Department was part of a workshop held on 21/1/2017 at Rajagiri School of Engineering and Technology at Kakkanad. She also was part of the workshop on "Scholastic Process and Markov Chains" held at the Muthoot Institute of Tecknology and Science, Erunakulam.

Dr. Usha Menon of the English Department Conducted the BEC Examinations for the Vantage and Preliminary grades on the 18th of February and the 3rd of April respectively. She was also an examiner for the same examination held at Kongu College of Engineering, Erode on the 1st and 2nd of April.