

ANNUAL REPORT OF SAHRDAYA

FOR THE YEAR 2015-16

His Excellency Bishop Mar Pauly Kannoorkadan, Chairman of the Irinjalakuda Diocesan Educational Trust, Prof (Dr.) Rajendran P , Vice Chancellor – Kerala Agricultural University, Msgr. Sebastian Maliekkal, Manager of the Irinjalakuda Diocesan Educational Trust, Rev Fr. Dr. Antu Alappadan, Executive Director, Rev. Fr. Dr. Joji Palamattath, Associate Executive Director, Fr. Thomas Velakkanadan, Finance Officer, Rev. Fr. Sebin Edattukaran, Assistant Finance Officer, Prof. K T Joseph, Director, Dr. Nixon Kuruvila, Vice Principal, Adv. Cleetus K G (PTWA executive committee member), Mr. Fairuz A Rehim , Alumni 2009 Pass out, Ms. Indhulekha Mohan, College Union Chairman, other distinguished guests, Rev. Fathers, Rev. Sisters, Parents, Staff, my dear students, ladies & gentlemen.

I am very happy to present the 14th Annual Report of Sahrdaya College of Engineering & Technology for the year 2015-16 before the august audience present here.

1.0 Introduction

We are happy that ten batches of students completed the B.Tech Degree and one batch completed the M.Tech from Sahrdaya and came out successfully. With the Blessings from Heavenly Patron “Sacred Heart of Jesus” and with the Guidance and support of our Chairman, Trustees, Advisory Board and Academic Council Members, Teachers, Parents, Well Wishers, Staff and Students we could continue to maintain good reputation among new generation Colleges in the state.

2.0 Academic Activities:

In the year 2015 we could get a pass percentage of 74% and we hope that we retain the first position in 2015 also.

The 14th Academic Year 2015 – 16 was inaugurated on 30th June, 2015 by Dr. M K C Nair, Honorable Vice Chancellor of Kerala University of Health Science.

The third semester classes started on 16th June 2015 and seventh semester classes started on 22nd June 2015 and Seventh & Third Semester were terminated on 20th October 2015. Fifth semester classes were started on 29th June terminated on 31st October 2015. Fourth Semester classes started on 1st December 2015 and eighth semester started on 14th December. Second semester began on 20th Jan.

The admissions to I & II semester started on 15th June, 2015 and a total of 452 students were admitted (EC-103, CS-112, BM-61, BT – 63, EEE- 51, CE-62, 28 seats are vacant). Orientation Classes started on 20th July 2015 and on 3rd August 2015 the regular classes of 2015 admission under APJ Abdul Kalam Technological University were started.

2.1 Results: The VIIIth semester result of 2011 admission declared on 1st July, 2015. The overall pass percentage is 91 %.

The toppers in various branches are

BM - Farasha K A (311006)	- SGPA 8.89
BT - Krishnaja Saseendran(411004)	- SGPA 9.79
CS - Riya Paul(211780)	- SGPA 8.29
EC - Noela T Francis (111794)	- SGPA 9.38
EEE - Sruthy Thomas (511402)	- SGPA 9.31

2.2: The VIIth semester results of the 11th batch (2011- 2015 admission) were announced in May 2015. The overall pass percentage is 90%.

The toppers in various branches are

BM - Farash K A (311006)	- SGPA 9.25
BT - Krishnaja Saseendran (411004)	- SGPA 9.79
CS - Swetha Saseendran (211004)	- SGPA 8.68
EC - Anet Augustine (111708)	- SGPA 8.73
EEE - Sruthy Thomas (511402)	- SGPA 9.14

2.3: The Vth semester results of 2012- 2016 batch were announced on 12th August, 2015. The overall pass percentage is 71.51 %.

The toppers in various branches are

BM - Azra Gafoor (312400)	- SGPA 9.57
BT - Blessy Varghese (412704)	- SGPA 9.34
CE - Susmitha Antony (612034)	- SGPA 8.68
CS - Mary Pauly (212738)	- SGPA 8.79
EC - Johncy John (112736)	- SGPA 8.95
EEE - Maneesha Mohandas (512712)	- SGPA 8.67

2.4: The VIth semester results of 2012-16 batch were announced on 12th December, 2015. The overall pass percentage is 82.32

The toppers in various branches are

The toppers in various branches are

BM- Shabeena Shamsudin (312406)	- SGPA 8.89
BT - Anju Francis (412902)	- SGPA 9.79
CE - Susmitha Antony (612034)	- SGPA 8.84
CS - Irfana Parveen (212404)	- SGPA 9.14
EC - Johncy John (112736)	- SGPA 9.20
EEE - Gayathri M Nair (512002)	- SGPA 8.64

2.5: The First & Second semester results of 12th Batch (2013- 2017) were published on 19th January

2015. The overall pass percentage is 70%.

The toppers in various branches are

BM - Catherine Cleetus (313010) - SGPA 9.30	
BT - Aleena Sebastian (413700) - SGPA 9.01	
CE - Krishna.M (613502) - SGPA 8.97	
CS - Vidhu Valsan.A (213074) - SGPA 8.91	
EC - Neethu James (113040) - SGPA 9.57	
EEE - Vidya Vijayan (513708) - SGPA 8.80	

2.6:The IIIrd semester results of 2013- 2017 batch were announced on 26th August, 2015. The overall pass percentage is 73 %.

The toppers in various branches are

BM - Hasna Sherfudheen (313012) - SGPA 8.50	
BT - Aleena Sebastian (413700) - SGPA 9.57	
CE - Joseph P D (613901) - SGPA 8.73	
CS - Nicy Jose (213056) - SGPA 8.50	
EC - Neethu James (113040) - SGPA 9.30	
EEE - Neethu Davis (513704) - SGPA 8.61	

2.7: The IVth semester results of 2013-17 batch declared on 27th Jan, 2016. The overall pass percentage is 82 %.

The toppers in various branches are:

BM – Amala Sherin (313002) - SGPA 9.53	
BT - Aleena Sebastian (413700) - SGPA 9.16	
CE - Merrine Paul (613714) - SGPA 8.70	
CS - Nicy Jose (213056) - SGPA 10.00	
(‘S’ Grade in all subjects)	
EC - Neethu James (113040) - SGPA 8.82	
EEE - Bavya Babu (513008) - SGPA 8.86	

2.8: The I & 2 Sem results of 2014 batch was announced during December 2015.

The overall pass percentage is 61 %

The toppers in various branches are:

BM – Jasmine Francis- (314714) - SGPA 8.71	
BT - Jose Peter- (414703) - SGPA 8.40	
CE - Jeffy Johny (614502) - SGPA 9.02	
CS - Anjaly Kakkassery (214012) - SGPA 8.60	
EC - Simmi Thomas (114508) - SGPA 8.95	
EEE - Aiswarya.P (514000) - SGPA 8.60	

2.9:The 2015 batch university exam results of 1st semester B.Tech under APJ Abdul Kalam Kerala Technological University were

published on 20th Feb, 2016.

The overall pass percentage is 88.64%

2.10: The second semester results of 1st Batch (2013 Admission) M.Tech Embedded Systems & IBT were announced on April 2015. The overall pass percentage is follows:-

1. Embedded Systems : 100 %
2. Industrial Biotechnology : 100 %

The following are the toppers in various branches:-

1. Ms. Aparna M (9113004 - Embedded Systems) SGPA 9.0
2. Ms. Sandra Jose (9413701 - Industrial Biotechnology) SGPA 9.92

2.11: The third semester results of 2013 admission M.Tech Embedded Systems & IBT were announced in July 2015. The overall pass percentage is follows:-

1. Embedded Systems : 100 %
2. Industrial Biotechnology : 100 %

The following are the toppers in various branches:

1. Ms. Angel Maria Paul (9113000 - Embedded Systems) SGPA 9.6
2. Ms. Sandra Jose (9413701 - Industrial Biotechnology) SGPA 9.07

2.12:The fourth semester results of 2013 admission M.Tech Embedded Systems & IBT were announced. The overall pass percentage is follows:-

1. Embedded Systems : 100 %
2. Industrial Biotechnology : 100 %

The following are the toppers in various branches:

1. Ms.Aparna M (9113004 - Embedded Systems) SGPA 10
2. Mr. Nirmal T M (9113003- Embedded Systems) SGPA 10
3. Mr. Mathew Francis (9113701- Embedded Systems) SGPA 10

2.13: The 1st semester results of 2014 admission M.Tech Embedded Systems, IBT, P E D & Computer Science & Engineering were published in July 2015.

The overall pass percentage is follows:-

1. Embedded Systems : 91.66 %
2. Industrial Biotechnology : 100 %
3. Power Electronics & Drives : 60%

4. Computer Science & Engineering: 81.81 %

The following are the toppers in various branches:

1. Ms. Geethu Madan (9114006 Embedded Systems)
SGPA 7.92
2. Ms. Josmy Jose Akkara (9114008 Embedded Systems) SGPA 7.92
3. Ms. Steny Mary Anto (9414700 IBT)
SGPA 9.07
4. Ms. Sangeetha S (9514700 PED)
SGPA 8.5
5. Ms. Anju P S (9214700 CSE)
SGPA 7.58

2.14:The 2nd sem M.Tech results of 2014 batch except Embedded Systems were published during February.

The overall pass percentage is follows:-

1. Industrial Biotechnology : 100 %
2. Power Electronics & Drives : 100%
3. Computer Science & Engineering : 100 %

The following are the toppers in various branches:

1. Ms. Steny Mary Anto (9414700 IBT) SGPA 8.33
2. Ms. Anju P S (9214700 CSE) SGPA 9
3. Ms. Sukanya C M (9214718 CSE) SGPA 9
4. Ms. Sangeetha S (9514700 PED) SGPA 9.08

3.0Placement & Training: The HR Department is giving regular Training to the students from beginning to the end of the course in many areas. The following are the major activities conducted during report period.

+ 10-Mar-15: Pivot Systems conducted recruitment for the Computer Science final year students. One student got selected.

+ 12-Mar-15: Poornam recruitment attended by 2015 pass out EC & CS Students. Four have cleared all the rounds. One student got selected.

+ 17-Mar-15: Input session for all the final year students was conducted. Mr. Ullas, an avid Technologist and Mentor were invited to deliver the session on the topic "Expectations of Corporate from Fresh Engineering Graduates".

+ 18-Mar-15: Baker Hughes conducted recruitment for the EC & CS 2015 pass out students. + 24-Mar-15 : A motivational Talk by Mr. Pramod

Simon & Mr. Anil Kumar from Success Guide Consultancy was conducted for the 6th semester students of EC & CS.

+ 26-Mar-15 : Ms. Vini Jose of HR & Ms. Deepa Devassy of CS attended the Infosys Principal meet at Infosys , Trivandrum and Sahrdaya was recognized as an 'Advanced Partner Institute'.

+ Students were provided the opportunity to appear for placement from many other companies such as WiFi Silica, Digital Core Technologies, CISCO, Syntel, Reliance, Axis Security, Exar Technology.

+ Nearly 10 students of 2015 pass out have joined for their higher studies (M.Tech and MBA)

+ Thyrocare conducted recruitment for the S8 Students of BME Dept, 3 students got placed.

+ 19-May-15 : The Principal and faculties of Calicut University Institute of Engineering & Technology visited our college to learn the best practices and customs of Sahrdaya.

+ 02 - 04- Jun- 15 : A faculty induction program was arranged on Mission & Vision, Customs & Practices, University Norms, Internal Quality Assurance, Research Initiation and Campus Automation Initiation for all the new joined faculty.

+ 9- Jun-15 : A faculty development program was conducted for the faculties. Fr. George Palmattom ('Teaching as a Vocation'), Swami Sandeepanada Giri ('Ideal Teacher') and Dr. P S Krishnamoorthy ('Audit your Attitude and Behaviour') handled the sessions at Assisi Shanthi Kendra, Karukutty.

+ 11-Jun-15 : Dr. Job Kuruvilla handled a session on 'Revised Blooms Taxonomy' for the faculties.

+ An on campus one week Infosys Campus Connect Technical training program was conducted for the students placed in Infosys.

+ 13-Jun-15 : A one day session for the students of Sahrdaya Tech aspiring for Civil Service was conducted by Ms. Vini Jose, HR & Placement Officer on the topic 'Success in Life'

+ Students participated in recruitment drives by Bions Medical Systems & Narayana Netralaya Foundation and two were selected.

+ One student of EEE, 2015 pass out was selected to the Indian Navy.

™ Five students were placed in the recruitment drive by Medtronic and one student was placed with Agape.

™ 18-Jun-15 : UST Global conducted recruitment drive for 2015 Pass outs and 7 students have been selected.

™ 22-Jun-15 : WiSilica conducted recruitment drive for 2015 Pass outs and 2 students got shortlisted.

™ 29-Jun-15: Recruitment Orientation Session by Mr. Arun Babu, Infosys HR Lead was given to all the Infosys Eligible Students.

™ 13-July-15 :Leadership Training Program for Students Council Members, Class Leaders, Asst. Class Leaders and Association Leaders were conducted by Mr. Sajith Thomas.

™ 20-July-15: Bridge Course for 2015 Batch students was conducted for two weeks by eminent trainers.

™ 22-July-15: Session on Resume Making Session by Mr.Sajith Thomas was given to all the Final Year Students.

™ 31st July - 2nd Aug 15: HR Dept conducted a 3 day aptitude training for all eligible 2016 pass out students

™ 01-Aug-2015: Inauguration of First year Students (2015 Batch) was held with a Procession and Programs.

™ 03-Aug-15IT Talent Test for 7th Sem ECA, ECB, CSA, CSB by Accel IT Academy

™ 12-Aug-15 : Mr. Naveen Paul, Trainer visited companies like Vofox Solution, Abba Info Services, Awesome Daddy's Interactive, Creo Homes Pvt Ltd, Imark Technologies Pvt Ltd, Resonnova Technologies to know prospective employment opportunities for students.

™ 23-Aug-15: Bag Your Jobs conducted Internship Drives for 2016 Passout students. 5 students got selected for the Internship.

™ 24-Aug-15: Biotechnology Students of 2016 Pass out participated in Zifo Technologies .

™ 24-Aug-15: An Faculty Development Program

was conducted by Fr. Jolly Vadakkan on the topic "Educating the new generation – A challenging Task".

™ 22-Sep-15: As part of Industry-Academia Series, Mr.Balamurali, Manager Q & A from NEST had delivered the session for final year students of EC & CS.

™ 25-Aug-15 : An Faculty Development Program was conducted by the NBA, KTU & ISO Coordinators for all the faculties.

™ 30-Sep-15 : Employability Conclave 2015 was conducted by Aspiring Minds in Kochi. The HR & Placement Officer – Ms. Vini Jose was awarded as one of the Career Guru in the category" Inspiring Minds " .

™ 09-Oct-15 : UST Global conducted a Session for selected students of EC & CS (2nd Year Onwards) on the topic " Digital Transformation"

™ 13-Oct-15 : There was Idea Contest by UST Global for the students who had submitted their ideas . Ms. Divya D Menon & Aneena Antony of CS won the prize. Also, two teams were given consolation prize as they would be given some weight age during the recruitment by UST.

™ 26th - 27th Oct 2015 : Infosys conducted on Campus Recruitment drive for 2016 pass out students and selected 19 students.

™ 28- Oct-15: UST Global conducted recruitment drive for 2016 pass out students and selected 10 students

™ 03-Nov-15: Mphasis conducted recruitment drive for 2016 pass out and selected 3 students.

™ 08-Nov-15: Special Placement training program for students appearing for IBS recruitment was conducted by Pragmatix.

™ 10-Nov-15: IBS recruitment for 2016 pass out students and selected four students.

™ 13-Nov-15 : Officials from Wilmington University addressed on the higher opportunities in their university to our first class leaders, Asst. Leaders and study group leaders. Also, they addressed our faculties

™ 13-Nov-15 : Prof.V.K.Damodharan delivered a session to all the faculties on the topic " Sustainable Engineering"

™ 13-Nov-15 : Delegates from Wilmington University addressed our Students and Faculties.

™ 16-Nov-15 : Ms. Vini Jose, HR &Placement

Officer attended a session on “ How SAP can help students to be ready for a dynamic Career” at Kochi.

™ 25-Nov-15 : Students of 2015 batch were given the opportunity to apply for Voter’s ID in our campus. Officials from Election Office, Chalakudy had done the whole process.

™ 23-Nov-15 : Ms. Vini Jose, HR & Placement Officer delivered a Guidance classes for the 11th & 12th Science students of Soccorso C.G.H.S.S School, Mala.

™ 12-Dec- 15: Arranged FDP by Mr. Vijay Menon on the topic ‘Blueprint of Professional & Personal Excellence’ at PACS to teaching staff.

™ 12- Dec -15: Staff Development Program by Mr. Siju Thottapilly on the topic ‘Organizational Culture’.

™ 16-Dec-15: Pre- placement training for 2nd year students by Chopra Group.

™ 17- Dec-15: Sutherland recruitment for 2016 pass out students. Three students got selected.

™ 10-Jan-2016: Mrs. Vini Jose, HR & Placement Office attended a seminar ‘Connect 2016’ conducted by LIVEWIRE at Thrissur

™ 13-Jan-2016 : A talk on “Youngsters on Wheels” a Road Safety session delivered to 8th and 6th semester students by Shri. K Dileep Kumar, Motor Vehicle Inspector, Sub Regional Transport Office, Irinjalakuda

™ 15-01-2016: IMS Conducted their Scholarship test for all the S6 Students during the Study Group Activity.

™ 15-01-2016: Mr. Jomy, CEO of IMS Institution delivered a session for all the final year students appearing for GATE Exam on the topic “Tips & Strategies for GATE”.

™ 20-Jan-2016: Participated in GHRDC-CSR Engineering College Survey 2016.

™ 28-Jan-2016: A spiritual Talk was conducted by for all the first year non-catholic students.

™ 29-Jan-2016 : A motivation session “ How to empower the success ratio” was conducted for the third year students by Galaxy Educational Trust.

™ 11-02-2016: Campus IQ Competency Mapping Test was conducted for all the 6th Semester EC, CS, BM

and EEE Students. Their scorecards were shared during the Career guidance session to their Parents.

™ 12-02-16 to 14-02-16 : Job Fair conducted by Campus IQ at Sahrdaya. Total of eight companies (Cerebtech, Portera, Mob Me, Finesse, LuLu, Xtend , Engrave and Somnoware) participated. 8 students of our college are selected.

™ 23-Feb-2016: Poornam conducted recruitment for the EC & CS 2016 Pass out. One student got selected.

™ 01-Mar-2016: Faculty Exchange Memorandum of Understanding between Wilmington University and Sahrdaya College of Engineering and Technology is signed.

™ 02-Mar-2016: TCS Off-Campus was conducted in our campus. Total of 6 students are shortlisted.

™ 08-Mar-2016: Women’s Day was celebrated by arranging a talk for all the female students of 6th semester on the topic “ Cyber Crime and Cyber Laws” by Mrs. Dhanya , Cyber Crime Investigator.

™ 08-Mar-2016 : A talk was arranged for all the 6th semester boys on “Fire Safety” by Fire Protection Engineering Institute”

™ 11-Mar-2016: Mrs. Sheela Kochuouseph Chitillapilly, CEO of V-Star inaugurated the Women’s Day Programs and delivered a talk to all the female faculties on the topic “Women as a Entrepreneur”.

™ 2016 Passout students appeared for placements conducted by Cognizant Technology, Procsys,

3.1 Other Activities of HRD Department :

Career Interest Form was given to all the students and their Parents in the beginning of the Semester to train the students according to their Career Interest.

™ A Placement Brochure was prepared to be given to companies.

™ Language Lab is given to all the First Year & Second Year students by the Spoken English Trainer Ms. Sajini Samuel as per the schedule prepared in the HR Curriculum.

™ Mr. Naveen Paul, Trainer visited companies in Kochi, Trivandrum, Hyderabad and Chennai in the Coming Months.

™ Online Placement Training was given to all the eligible students regularly by the Trainer Mr. Naveen Paul.

Many job opportunities were informed for the 2014 & 2015 pass out students. Some of the multinational companies and some other companies openings from Techno park Trivandrum and Info park Kochi were also informed.

Students from second year onwards are encouraged to Internships of their own core areas. An Internship form is prepared by the HRD.

™ HR Department helped in Admission 2015. HR & Placement Officer was one of the Convener.

™ Focusing to improve Communication and Reading skills, “The Hindu” is given compulsory to all the first year students and also to other students and faculties interested.

™ Business English Classes are conducted by the Spoken English trainer for the Second year students every one hour on Thursdays.

™ During the month of July and August, industrial visits were arranged for all the Semester students. With this regard, a format for getting their feedback and a Thank you letter is prepared to be sent to the industries.

™ We have trainers imparting classes on the Human Development Programs, Moral Science, Health Science, Yoga, Spoken English, Mock Interviews and Resume Preparation. A full-fledged HRD training syllabus is prepared for the academic year.

™ During the placement training, the placement papers of various companies are given as test papers with solutions to the students. Also, one month unlimited online Aptitude test training was conducted for the 2015 & 2016 pass out students.

™ During the study group activity on every Friday, we conduct various programs like Technical and General Quiz, Test Your English, Just a Minute, Product Marketing, Skit, Debate and Group Discussion. To boost up the confidence, prizes are given to the best group or

best student.

™ HR Managers of other companies have been contacted for recruitment to be conducted in our college for the 2016 pass out students.

™ Scholarship tests were conducted in our college by institutes like NIIT , TIME and Accel IT Academy for their courses.

™ We invited Student Alumni to share their corporate experiences and enlighten the current opportunities in each discipline.

™ Faculty Interviews were conducted in the Month of May 2015 and Dec 2015

4.0 Faculty and Staff: We are proud of our Faculty and staff, their dedication and Commitment. We have 145 Faculty members on our rolls and 7 faculties are on maternity leave and 3 on long leave. Ten faculty members are given study leave for doing PhD and one for M.tech.

4.1 Paper Publications

& Presentations by faculties:-

Dr. Nixon Kuruvilla (Vice Principal) presented a paper in the 13th International Conference on Mechanical, Automotive and Materials Engineering organized by the World Academy of Science, Engineering and Technology at Berlin, Germany on 21st May 2015. He also chaired a session at the same conference.

™ Ms. Praveena P (BTE), published a paper on ‘Screening of Efficacy of various Extracts of Carica Papaya L for Potential Antifertility Activity’ in Asian Journal of Pharmaceutical Science & Technology.

™ Ms. Amitha Joy (BTE) published a paper entitled ‘In Silico Analysis of Prospective Influence of Staphylococcus Aureus Enterotoxin a on Selected Neurotransmitters’ in the International Journal of Innovative Research in Computer and Communication Engineering in 2015.

™ Ms. Amitha Joy (BTE) published a paper in the

year 2015 entitled 'Drug-likeness of Phytic Acid and Its Analogues' in The Open Microbiology Journal.

+ Amitha Joy (BTE) attended 3 days International symposium Bioinformatica indica from Jan 7-9 at Department of Computational Biology, Kerala University, Karyavattom campus.

+ Rahna K. Rathnan (Asst. Professor) and Ambili Mechoor (Professor) published a paper titled Molecular Docking studies on phytocompounds from the methanol leaf extract of Carica papaya against Envelope protein of dengue virus (type-2) in the Journal of computational methods in molecular design.

+ Ms. Smeera Thomas attended a 3 day conference on Biotechnological innovations at Karunya University, Coimbatore and presented a paper during 2nd-5th Dec, 2015.

+ Prof. K R Joy (ECE) handled a technical session 'Image Quality Assessment' in the AICTE sponsored FDP, SPIA' 15 on Signal Processing and Image Analysis conducted at Sree Buddha College of Engineering for women, Pathanamthitta on 24th March, 2015.

+ Mr. Vince Paul (Professor,CSE) published a paper 'Intrusions Detection and Prevention System for Cloud Simulation Environment using hidden Marker Model' in the International Journal of Science, Engineering & Technology; Vol 3, Issue 1, Jan - Feb 2015.

+ Mr. Arunkant A Jose (ECE) handled a technical session 'Medical Image Processing' in the AICTE sponsored FDP, SPIA' 15 on Signal Processing and Image Analysis conducted at Sree Buddha College of Engineering for women, Pathanamthitta on 24th March, 2015.

+ Ms. Mary Catherine (ECE) presented a paper 'Genetic Algorithm based approach for Soc Test Scheduling' at International Conference on Emerging Trends in Technology & Applied Sciences on 2nd May, 2015.

+ Mr. Arunkant A Jose (EC) published a paper titled 'Retinal Fundus Image Enhancement using accelerated parallel implementation of algorithm' on GPU in the International Journal of Engineering Research and General Science, Vol 3, Issue 3, May 2015.

+ Mr. Arunkant A Jose (ECE) also published 3 papers titled 'Face Detection and Tracking at Different Angles in Video using optical Flow', ' Novel technique to detect over speeding vehicles' and 'Acceleration of Retinal Fundus Image Enhancement using accelerated parallel implementation on GPU' in the AEGT- 2015 (20th& 21st Feb, 2015) National Conference on Applications of Engineering for Green Technology.

+ Mr. Subodh Raj M S (EC) published a paper titled 'Development of Embedded Board for OMAP 4460 in International Journal of Advanced Research in Electrical, Electronics & Instrumentation Engineering IJAREEIE in Vol 4, Issue 3, March 2015 with ISSN number (online) 2278-8875.

+ Mr. Krishnadasan V B (G S) published a research paper in the International Journal of Advanced Research Trends in Engineering Technology, Vol II, March 2015.

+ Mr. Vince Paul (CSE) delivered a technical talk on the topic Artificial Intelligence and Fuzzy Logic at CCSIT Pudukad centre on March 3rd.

+ Mr. Bineeth Kuriakose (CSE) published a paper 'Deconstructing Image Semantics in Natural Language Representation' in the Fourth IEE International Conference on Communication and Signal Processing held at Adhiparasakthi Engineering College - Tamil Nadu on 4th April 2015.

+ Mr. Yedhu Sastri (CSE) conducted a one day Openstach Workshop as a part of short term training program on Research Trends in Informatics, Computing & Communication from April 16th to 25th April 2015 at Rajagiri School of Engineering, Kochi.

+ Dr. P Abdul Rasheed (BME) published a paper titled 'A highly sensitive DNA sensor for attomolar detection of BRCA 1 gene: Signal amplification with gold nanoparticle cluster,' in the journal Analyst, Vol. 140, pp. 2713-2718, 2015.

+ Dr. P Abdul Rasheed (BM) published a paper titled ' Attomolar detection of BRCA 1 gene based on gold nanoparticle assisted signal amplification' in the journal Biosensors and Bioelectronics, Vol. 65 pp. 333

– 340, 2015.

™ Dr. Asha N D has handled a Session titled “Introduction to Biosignal Processing – Cardiac Signal Processing” as Resource Person for a STTP on 26th April 2015 organized in Sree Chitra College of Engineering, Thiruvananthapuram.

™ Mr. Jis Paul of BME department attended a FDP on “Outcome based learning and Teaching” at college of engineering, Trivandrum on 18th June to 20th June 2015.

™ Mr Jispaul and Ms.Sony NS of BME Department attended a one day seminar on “Engineering Education and Research” conducted by National Instruments at Cochin.

™ Mr Jis Paul of BME department attended a two day workshop on “Design and Engineering” at College of Engineering ,Trivandrum on 30th and 31st June 2105.

™ Ms Sony NS attended a one day seminar on “yes can 2015” conducted by Kerala State Industrial Development Corporation for supporting the budding entrepreneurs across Kerala.

™ Prof. Sunny C P (HOD,CE) published a textbook for Xth standard of Technical High school on General Engineering (Civil).

™ Prof. Sunny C P (HOD, CE) conducted an induction program for the teachers of technical high school on 13th November 2015 at SITTR Kalamassery.

™ Gokila Chandran (Asst.Prof, CE), Gladis Thomas (612016), Jenny Rose P.J (612718), Merrin Paul (612022), Rigy Thomas(612724), Silpa Jose (612032) published in International Journal of Emerging Technology and Advanced Engineering ISSN 2250- 2459, ISO 9001:2008 Certified Journal, Volume 5, Issue 12, December 2015

™ Mr. Gopakumar Published a research paper entitled “Smart Fault Location for Smart Grid Operation Using RTUs and Computational Intelligence Techniques” in an International Journal IEEE System Journal.

™ Mr. Gopakumar Published a research paper entitled “Fault Detection and Localization Methodology for Self-healing in Smart Power Grids Incorporating Phasor Measurement Units” in an International Journal

“Electric Power Components and Systems” by Taylor and Fancis.

™ Dr. Gopakumar P published a research paper entitled “Adaptive fault identification & classification methodology for smart power grids using synchronous phasor angle measurements” in IET Generation, Transmission & Distribution.

™ Dr. Gopakumar P published a research paper entitled “Emerging smart methodologies for on road electrical energy harvesting in IEEE potential.

™ Ms Jeenu jose published a paper entitled “Solar forecasting optimal grid operation” in JRET

™ Mr Anoop V P presented a paper “Low cost Interplanetary mission by using aerobraking” in NCTT 2015, CET Trivandrum

™ Ms Jerin James presented a paper “Optimal placement of PMU using genetic algorithm” in NCTT 2015, CET Trivandrum.

™ Mr Ajish P J presented a paper “Implementation of series active filter in UPQC” in NCTT 2015, CET Trivandrum.

™ Ms. Sreelakshmy Suresh published a paper entitled “Line and load regulated KY Buck boost converter in IJAREEIE “

™ Ms Sreelakshmy Suresh presented a paper entitled “Two types of KY boost converts” in International conference (ROCKS 2015), Royal Engineering College Thrissur.

4.2 Seminars and Training Programme attended by staff

™ Mr. Sankaranarayanan P.N (CSE) attended a Faculty Enablement Program on Foundation Program 4.0 conducted by Infosys Limited at Nehru College of Engineering and Research Center during 16th -18th March 2015.He has been awarded ‘A’ grade.

™ Mrs. Marria.C.Cyriac(BTE) and Ms.Rosa Eprem (CE) attended a 3 day workshop on “Sustainable Engineering” conducted by KTU during June 18th-20th at College of Engineering, Trivandrum.

™ Dr. Ambili M & Ms. Praveena P attended a 4 day workshop on Self awareness and integrative development at Kerala University, Trivandrum.

™ Ms. Sony N S (BM) Department attended a 2 Day National workshop on Image Processing for Biomedical Application on June 12th and 13th at Amrita School of Engineering, Coimbatore.

™ Mr.Arjun R (CS) attended a Short Term Training Programme on Advanced Algorithm Analysis and Design’ from 21st April to 25th April at GEC,Thrissur.

™ Ms Roopa and Ms Jasmine Jolly (Asst. Professor CSE) attended a one day workshop on PYTHON at FISAT Engg College on 9th July 2015.

™ Mrs Soumya Varma, Mrs Priya KV & Mrs Jasmy Davies (Assistant Professors, CSE) attended 5 days FDP organized by EC dept in our college. (‘emerging trends in embedded systems’).

™ Mr. Krishnadas J attended a 1 Week FEP program at INFOSYS Manglore from 14th to 18th Dec, 2015.

™ Ms. Binet Rose Devassy and Ms. Malini Thomas attended a Five Day FDP on Linux: Novice to Expert held at GEC Thrissur from January 11th to 15th, 2016

™ Mr. Sebin Davis (Asst. Professor EEE) attended a FDP on Outcome based education in CET school of Management Trivandrum, June 2015.

™ Ms Merry Mathew (Asst. Professor EEE) attended a FDP on Modelling of Power electronics at GEC Trichur.

™ Ms Jeenu Jose has participated in the national level one day workshop on “Design & Engineering” organized by the Dept. of Mechanical Engineering of FISAT on 12th January.

4.3 FACULTY EXCELLENCE:-

4.3.1 Biomedical Engineering Department:-

™ Dr. Asha N. D of BME department completed her “Doctorate in Philosophy” – Biosignal Processing, (Analysis, Classification and Prediction of Cardiac Arrhythmia based of HRV Parameters) from NIT Calicut.

™ Mr. Abdul Rasheed (Asst. Professor) received his Ph.D degree from NIT Calicut for his research work in Biosensors; ‘Nanomaterial Based DNA Sensors for

specific and sensitive detection of Gene Sequences.

™ Ms. Sony N.S Asst.Professor in BM is sponsored by Kerala start up mission to attend the UN program EMPRETEC conducted at Kolkata.

4.3.2 Biotechnology Engineering Department:-

™ Mrs. Rahna K Rathnan received a grant of Rs. 2,00,000/- for the project ‘Mushroom Cultivation for the Rural Women’.

™ Department of Biotechnology received KSCSTE funding of 2lakhs for the project Mushroom cultivation. The project coordinator is Dr. Ambili M.

™ Dr. Ambili Mechoor (Professor & R &D Coordinator) received KCSTE funding of Rs.80,000/- for organizing workshop on Advances in Fermentation Technology and Downstream processing.

™ Department of Biotechnology received KCSTE funding of Rs.20,000/- for National Technology day celebrations.

™ Dr. Leon Ittiachen became a fellow member in Indian Institute of Engineers.

™ American Society of Chemical Engineers honoured Dr. Leon for his contributions in the field of Chemical Engineering and was privileged to be the senior life member.

4.3.3 Civil Engineering Department:-

™ The project entitled ‘Plastic Composite Concrete Block’ was selected in Yuva Master Mind, guided by Ms. Gokila Chandran and the project members are Ms. Reeba Roy, Ms. Prabha John, Ms. Christy, Ms. Ruksana & Ms. Bijosha of S5 CE.

™ Ms. Reeba Roy, Ms. Prabha John, Ms. Christy, Ms. Ruksana & Ms. Bijosha of S5 CE won the first prize in NIT project competition, prize worth Rs. 18000 guided by Ms. Gokila Chandran.

4.3.4 Computer Science and Engineering Department:-

™ Mr. Sankara Narayanan P N, (Asst. Prof, CSE) secured a gate score of 656 with an All-India rank of 1083.

™ Mr. Vince Paul (Professor & R & D Coordinator, CSE) chaired a session at the National Conference in

Innovative Engineering (NICE15) at Holy Grace Academy of Engineering on 18th of march and at the RACSE15 Conference held at Jyothi Engineering College on 10th April

+ Mr. Arjun (Asst. Professor CSE) got PhD admission at NIT, Karnataka.

+ Anila Thomas (Asst. Professor CS) secured first prize in a contest best distinguished facilitator organized by Infosys Mangalore on 25th June 2015.

+ Ms. Anila Thomas (Asst. Professor CS) was the winner in Distinguished Facilitator event in Infosys 'inspire Faculty Excellence Award' 2015.

+ Havinash P.H and Sankaranarayanan (Asst. Professor CSE) received bronze partner certificate from Infosys as part of Campus Connect Program

4.3.6 Electrical and Electronics Engineering Department:-

+ Dr. Gopakumar P of (Asso. Professor, EEE) has awarded his "Doctorate in Philosophy" – Transmission line fault detection, classification & localization in smart power grids using PMU from NIT Trichy

+ Dr Gopakumar P (Asso. Professor, EEE) selected as reviewer for IEEE workshop on computational Intelligence, IIT Kanpur

+ Dr. Gopakumar (Asso. Professor, EEE) has selected as one of the contributing authors to an International text book on "Synchronized Phasor Measurements for Smart Grid" by The Institution of Engineering and Technology (IET), UK.

+ Dr. Gopakumar (Asso Professor, EEE) has selected as one of the programme committee members for IEEE International conference on "Environment and Electrical Engineering, Rome.

+ Dr. Gopakumar (Asso. Professor, EEE) has Chaired in "International Conference on Trends in Research, Engineering & Developmental Sciences" held at Sahrdaya College of Engineering and Technology, Kodakara on 6th June 2015

+ Dr. Gopakumar (Asso. Professor, EEE) was elected as a reviewer for IEEE transaction on Power Delivery, IEEE system journal and IET generation , transmission and distribution (GTD).

+ Dr. Gopakumar (Asso. Professor, EEE)

project grant of Rs. 59000 from KSCSTE for the project entitled 'Hybrid Microgrid for Enhanced Utilization of Renewable Energy'.

+ The research work of Dr.Gopakumar (Associate Professor in EEE) department is selected among the "25 outstanding Research in India" and received Rs 60,000/- from Power Grid Corporation of India.

+ Dr. Gopakumar P (Asso. Professor, EEE) published a paper entitled "A Novel Transmission Line Protection Using DOST and SVM" in Elsevier international journal "Engineering Science and Technology".

+ Ms.Jeenu Jose (Asst. Professor, EEE) won 1st rank in Power system in M.tech from Christ University. + Mr.Anoop (Asst. Professor, EEE) has been selected as the Civil Service Exam Trainer

4.3.7 General Science and FIR Department:-

+ Dr. Nixon Kuruvilla (Vice Principal) presented a paper in the 13th International Conference on Mechanical, Automotive and Materials Engineering organized by the World Academy of Science, Engineering and Technology at Berlin, Germany on 21st May. He also chaired a session at the same conference.

+ Ms. Dhanya Joby & Ms. Swapna Joseph (Assistant Professor General Science Dept) participated a workshop at Panampilly College, Chalakudy in Dec 2015.

+ The General Science Department organized a one day workshop 'GANITHA-16' for the Higher Secondary schoolteachers and student representatives on 21st Jan.

+ Ms. Vini Jose (HR & Placement Officer) recieved silver partner certificate from Infosys as part of Campus Connect.

5.0 Technical Associations: The Technical Associations in all the Six departments organized a number of Programmes to promote the technical and organizational skills of the students.

The following students were selected as the Secretary and Joint Secretary of various Technical Associations for the year 2015-16.

SN	ASSOCIATION	ASSOCIATION SECRETARY
1	EMAGE	Mr. BIBIN P JOHN (112007 S7 ECA)
2	ACES	Mr. SEBIN BENJAMIN (212723 S7 CS B)
3	EBSA	Mr. JOHN MATHEW (312707 S7 BM)
4	BEATS	Ms. JASMIN HABEEB (412006 S7 BT)
5	AESON	Mr. JAISON JOSE PULLAN (512713 S7 EE)
6	PACE	Mr. NOBLE CHACKO (612003 S7 CE)

A number of invited talks and symposium were organized by the Technical Association. The following are some of the major Programmes organized during the report period.

5.1 E-MAGE

+ Live Wire Academy conducted a one day workshop for the 4th sem students on ‘PSPICE, PCB Designing, OrCAD & Introduction to VLSI and MATLAB’ on the 4th March 2015.

+ Innovatia, the ECE Department Journal was released on the 28th March, 2015.

+ A Peer Skill Share on Google Drive was conducted by Mr. Arunkant A Jose was conducted on 14th May, 2015 for the faculties of ECE Department.

+ International Conference TRENDS’15 was conducted on 5th and 6th of June 2015.

+ Department Signed an MOU with Livewire Academy on 11th June, 2015.

+ An add-on course was conducted from 24 - 26 June 2015 for the III Semester ECE Students regarding basics of electronics and electrical engineering by Livewire, Chennai.

+ EMAGE conducted a program “QUINTESENCE” in connection with the celebration of Women in Engineering day which is observed on June 23. The program was conducted on July 14 2015.

+ An alumni interaction was arranged with Mr. Vinu Varghese, Associate from TCS, Kochi for the S3 ECE A and B students (2014-18 batch) on 11th July, 2015 from 10-11 AM. Mr. Vinu is an alumnus of 2006-2010 Batch.

+ A workshop was conducted on July 7th 2015 by Mr. Lavesh Kamath (Assistant Head R&D (VLSI), Scientech - Indore), Mr. Rajesh Balan (Marketing

purpose was to introduce SCIENTECH 110 SPARTAN 3 based development board and related products.

+ In connection with Women in Engineering day celebration, a technical talk by Dr. Deepthi Das Krishna (Associate Professor, Rajagiri SET, Kochi) was arranged for the S7 ECE (2012-16 batch) students on 15th July, 2015. The topic was “The story of radiation”.

+ A Technical talk was arranged for the S7 ECE (2012-16 batch) students on 25th July, 2015 by Dr. Murali Krishna (Scientist F, NPOL., Kochi) on the topic “Under water Communication”.

+ A PS"3 (Peer Skill Share- Students) on EC tricks for hobby projects was conducted by Ashwin Sasikumar for S5 EC-B ,2013-2017 batch on 11th July, 2015. The program was attended by 25 students.

+ A PS"3 (Peer Skill Share- Students) on How to start a project using Arduino was conducted by Austin Davis S7 EC-A, 2012-2018 batch on 24th July, 2015. The program was attended by 32 students.

+ An three day add-on course was conducted from 4-6 August for B Batch 11th, 12th and 13th August for the A Batch of the V Semester Students (2013-2017 Batch) on the topic “Arduino” by Bitsforge Technologies, Kochi.

+ A technical talk by Mr. Sunil Paul (Co founder and CTO of Techjeeva) on “Robotics was arranged for our S5 ECE students (2013-17 batch) on 3rd August, 2015.

+ A PS"3 (Peer Skill Share- Students) on “Create your own web page - Basics of word press”, by Mr. Dinu John K, Mr. Arjun N A & Mr. Fabin Antony of S5 ECE-A (2013-17 batch) was conducted on 07th August, 15 .

+ A motivational talk for S5 ECE (2013-17 batch) students by Ms. Neenu Rani Joseph, HR, VOFOX solutions, Kochi was arranged on 28th Sept. 2015.

+ Ms. Soni P, Assistant Professor, ECE Department conducted a class for Higher secondary students of Crescent Public School, Chalakudy on the topic “Scope of learning Electronics and Communication Engineering” on 15th October, 2015.

+ Alumni interaction was arranged with Mr. Arun P, Engineer, Tata Elxsi, Trivandrum for our S5 (2013-

17 Batch) students on 17th October, 2015. Mr. Arun is an alumnus of 2006-2010 Batch.

™ The ECE Department members went on a one day picnic on 11th October 2015 to a beach resort in Cherai, Ernakulum.

™ A technical talk (in association with PALMARIUS'15) for S7 ECE (2012-16 batch) students from 10 AM – 12 PM was conducted by Dr. Ratheesh, Scientist, CMET, Thrissur on the topic “Wireless Communication materials (meta materials)”.

™ A technical talk (in association with PALMARIUS'15) for S5 ECE (2013-17 batch) students was conducted by Mr. Hariprasad Nair, CEO and Director, Gadgeon Technologies, Kochi on the topic “Internet of things”.

™ A technical talk (in association with PALMARIUS'15) for S3 ECE students (2014-18 batch) was handled by Mr. Jijo Paul, CEO, Resnova Technologies, Kochi on the topic “Innovative product Development”.

™ An introduction to OPEN CV was conducted by Ms. Silpa P A (Asst. Prof, ECE) for the M.Tech students (2014-16 batch).

™ Ms. Johny John (112736) was selected as topper among colleges in Thrissur by Architects & Engineers Association. She has scored SGPA of 8.95 in S5 results.

™ The Inauguration of 5 days FDP on Engineering Trends in Embedded system was arranged on 14th Dec. Dr.Sreelal, Engineer, S.G, ISRO Inaugurated the program.

™ EMAGE conducted add on course for S4 students (of the 2014 admission batch) on Practical Electronics by Trutek World, Angamaly for 2 days. Dates: A batch 14th and 15th Dec, 2015. B Batch 16th and 17th Dec 2015.

™ On 15th Jan, EMAGE conducted a one day workshop on Embedded System Design – Ideas to Innovation by Rapid Tech.

™ Conducted a five day FDP on the topic “Recent Trends in Embedded Systems”. It was attended by 27 external participants and 25 internal participants. Total 52 participants had attended the FDP.

™ A half day session on “Proteus” was conducted by Mr.Vishnu Rajan for the faculties of ECE Department on 21st Jan,16.

™ A session on Proteus for lab staff was conducted on 23rd Jan by Ms. Anu Antony and Ms. Meeva.

™ Department conducted Potluck as a part of team building activity on 28th January 2016.

™ A technical talk on “Nuclear Energy and Awareness on Radiation” was conducted by Mr. Nirmal Das V, Scientist at Kudankulam Nuclear Power Plant on 15th February, 2016 for sixth semester students (2013 admission batch).

™ A session on Latex was arranged and conducted for the M.Tech second year students (2014 admission batch) for assisting them to do their project report. The session was handled by Mr.Deepu Kurian and it was conducted on 19th Feb.

5.2 ACES:-

The inauguration ceremony of CSI student branch was conducted on 27th March. It was inaugurated by the Executive Director, Rev. Dr. Antu Alappadan followed by the technical session on ‘free and Open Source’ by Mr. C Ganesh, Senior Engineer CDAC. An interactive session between the ExeCom Mr. M C Ganesh & management was also conducted on the same day.

™ ACES conducted an extension program on “HTML TECHNOLOGY” at Saraswathy Vidyanikethan High School, Perambra on 4th February 2015

™ ACES organized an Add-on course on Android App Development for the 4th semester students on 6th and 27th of February, 2015.

™ CS department released EVACOS 2015, a collection of student seminars.

™ As a part of Alan Turings day, ACES conducted an inter departmental poster making competition on 23rd June, 2015.

™ ACES organized a mobile literacy awareness program for the Government Higher Secondary school teachers in Kodakara on 9th July 2015 ..

™ One day Microsoft ‘AZURE’ workshop was arranged for S5 CS students on 16th July 2015.The session was handled by faculty from start up village.

™ A workshop on Web Development Session II

was conducted on 22th July 2015 by Mr Havinash (Asst. Prof. CSE) for CSI members

+ A Technical Session in Python/FOSS by Mr. Pramode CE (an eminent consultant on FOSS based education) was arranged for S7 CS students and all faculties on 24th July 2015.

+ One day workshop was conducted on ‘Object oriented thinking’ for 5th Sem CSE students by Mr Anoop Kumar, Technical Lead from Infosys TVM on July 31st and Aug 1st 2015.

+ A workshop on Big Data Analysis was conducted on 28th September 2015. The session was handled by Pankaj Kumar G, Assistant Professor of FISAT(Federal Institute of Science and Technology). It was a very interactive hands-on session. The session was attended by 40 CSI members.

+ Prof Manoj Changat , HOD(Dept of Future Studies, University of Kerala, Trivandrum) came for technical talk on 12th October, 2015.

+ Mr Rishi George , alumni member of 2009 pass out working as System Engineer, Infosys , interacted with S3 and S7 students on 10th October 2015.

+ 19 students were placed in INFOSYS from Sahrdaya. Out of which five students were from Computer Science Department which was conducted on 26th October 2015.

+ One of CS alumni Mr.Krishnabal, who is working as big data Engineer in Amazon Ireland addressed the 4th CS students on 8th Dec, 2015.

+ Dept staff tour was arranged on 12th DEC to Cherai blue waters.

5.3 EBSA

+ A medical doctor’s meet was organized by the BME department on 8th March, 2015 ; 65 doctors participated. The key session was handled by Mr. Edmund Paul who is the head, Biomedical & Material DM Healthcare (Aster Medcity), Kochi. He delivered a talk on the recent advancements in the field of Biomedical Engineering. The other session was by Dr. Prasanna Ganapa, Manager, Clinical Excellence Team, Critical Care Division at Philips Health care India and Mr. Sreejith, sales manager, Philips Healthcare India-

their talk was on the topic ‘Digital ICU’.

+ On 8th June 2015, BME Head, Ms.Reshma Anoop signed a memorandum of understanding with Mr.Digesh Kainoor, Centre Head of Livewire Technologies,Chennai with the focus of providing hands on training for the students of BM department.

+ On 1stJuly 2015,as a part of Doctors Day celebrations, EBSA conducted an online collage competition for other department students.The topic given was “Lnking life to Technology”. A total of 12 teams participated, of which the first prize was awarded to Mr. Britto C Rajan and Ms. Prabha John of S5 Civil Engineering.

+ On 8th July 2015, the EBSA association was officially inaugurated by Dr.V.J Paul for the year 2015- 16. Dr.V.J.Paul, an eminent medical practitioner and guest lecturer of our department delivered a talk on “the importance of doctors’ day and the relevance of doctor-patient relationship”.

+ Two day placement training was conducted by HR department for S5 and S7 students on 23rd July and 25th July 2015 respectively.

+ On 24th of July 2015, a peer sharing event was organised by EBSA which consisted of a talk by Dr.Manoj Mathew on the topic “Technical/Research Paper Writing”. The talk was taken for selected students and faculty from every department.

+ On 28th July, 2015 Peer sharing was organized in the department on “How to personalize chrome and how to make use of Google facilities in day to day practice”. The training session was conducted by Mr. Jispaul, IQAC-In-Charge and Asst. Professor of BM. Hands-on-training enabled the faculties to enhance and document their teaching -learning methods.

+ A two day workshop was conducted for the third semester students by Live Wire Technologies on the topic “Basics of Electronics and Electricals”. The workshop was conducted in two sessions where forenoon session focused on theory of basic electronic components and afternoon session dealt with practical sessions.

+ A three day workshop on “Biosignal & Image processing using NILab view “ was conducted for

S3,S5,S7 students of our department by Techlabs, Bangalore. The workshop provided hands on training for the students and was very informative. All participants were awarded with a certificate of participation.

+ On 11th August 2015, Prof. Dr. Asha N D conducted a class on the topic “Heart Diseases and ECG” for the students of St. Antony’s Higher secondary school, Pudukad. This two hour session was highly informative and motivating for the students.

+ Nine students from BM participated in the workshop on “Engineering Principles and Applications of MRI” which was organized by Sri Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum on 8th August 2015. It was conducted as part of Hospital Equipment Awareness Training series. All the participants were awarded with a certificate of participation.

+ Mr Jinoy yohanan and Mr.Athul Raj of S7 BM, participated in a quiz competition hosted by Sri Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum on Engineering Principles and Applications of MRI and bagged the first prize for the same. The First prize consists of Certificate of merit and a trophy.

+ BM department organized the Catholic Hospital Managers meet on 13th & 14th August, 2015.

+ On 17th August 2015, Ms Bindhu John, Mr.Tijohn Thomas, Mr.Jaison Joseph and Ms. Mafinah E.M has presented their project titled “Android based communication for blind, deaf ,mute” at Marian award for Technology Excellence, MATE 2015 organized by Marian Engineering college, Trivandrum Kerala.

+ On 17th August 2015, Ms Sneha Konikara, Mr.Rajish Rajagopal, Ms.Afna Fatima and Ms.Della Thomas has presented their project titled “Tremor Stabilization for parkinsons syndrome” at Marian award for Technology Excellence, MATE 2015 organized by Marian engineering college, Trivandrum Kerala.

+ On 17th August 2015, Ms.Anju Paul, Mr.Anto Paul, Ms.Annmol Eldho and Ms.Azra Gafoor has presented their project titled “Voice based household device control using smart phone for blind & disabled” at Marian award for technology excellence, MATE

organized by Marian engineering college, Trivandrum Kerala.

+ Mr. Babin Cyriac of S7 BM, presented a paper at Kottayam Institute of Technology & Science (Kits) Chengalam, and secured the first position.

+ On 4th September 2015, EBSA in connection with NSS unit conducted a blood donation camp. Around 150 students joined the campaign and donated their blood. An awareness talk was conducted by Mr. Seby Vallachirakkaran on “blood and Blood donation”.

+ On 29th sept 2015, a group of eight students from each semester participated in the exhibition organized by St.James Hospital, Chalakudy which was organized as part of world hearts day.

+ On 18th August 2015, a Few of Alumini Such as Ms Devika M, Mr. Varun Vipin, Mr. Fahad ,Ms Divya Joseph visited BM department and had interacted with 5th semester BM students .

+ On 28/1/16, Ann Maria of S6 BME was appointed as the President of Rotaract club of Sahrdaya by the district governor Mr.Kamelesh Taheja who is the President of Rotaract Club, Thrissur.

+ On 15th Jan 2016, EBSA conducted a one day workshop on ‘Patenting & Procedures’ by our alumni Mr. Sreekanth P S

+ EBSA in association with IEEE started an EMBS student chapter in Sahrdaya .IEEE Engineering in Medicine and Biology Society (EMBS) is the world’s largest international society of biomedical engineers. EMBS provides its members with access to the people, practices, information, ideas and opinions that are shaping one of the fastest growing fields in science. Currently there are 6 members along with a senior faculty member.

+ In accordance with the World Cancer Day on 4th February 2016 EBSA conducted an essay competition on the “Awareness of Cancer” at the college. A total of 20 students participated and Mr.Chanchal Babu of S6 ECE was awarded with First prize.

+ A team comprising of 5-6 members from Avigna Clinical Research Institute ,Bangalore conducted a session on “Career Prospects in Clinical research” on 8th February, 2016

™ An amount of Rs.50,000 was donated by Mr.Sampreeth (2010 batch pass out) on 11th February, for purchasing books and shelves to BM library in loving remembrance of their friend Mr.Shalal.

5.4 BEATS

™ 2013 batch students of BT Department donated Rs.10000 towards the construction of a conference hall at K.V.U.P School, Manakulangara in memory of Late Dona Teres John.

™ On 22nd April 2015 Biotechnology Engineering Department signed an MOU with Arjuna Natural Extracts Pvt.Ltd.

™ A technical quiz on 'Environmental Engineering' was arranged on 29th June 2015 as a part of 'World Environment Day' Celebrations.

™ The first International Conference on Trends in Research, Engineering & Developmental Sciences was organized in the college for post graduate students on June 5th and 6th 2015.

™ On 2nd July 2015 Dr. Pradeep, Tropical Botanical garden, Senior Scientist gave a technical talk for seventh semester students on the topic Bioprospective of industrially important microbial enzymes.

™ On 7th July 2015 Dr. Leon Ittiachen gave an awareness session for third semester students on Career guidance.

™ On 18th July 2015 Biotechnology Engineering Department signed an MOU with Biozeen, Bangalore.

™ On 20th July 2015 Dr. Prathima Radhakrishnan, Director Foetal medicine Bangalore addressed all the semesters on Innovations in foetal medicine.

™ On 22nd July 2015 Dr.Jeejan, Santhi hospital addressed fifth and seventh semester students on Innovations in health care.

™ On 23rd July 2015 a Debate Competition held at interdepartmental level on the topics 'Cloning defies humankind', Technology impacts on youth and 'Robots in surgery'.

™ On 27th July 2015 Mr. Alex P. George, MD, Alco industries gave a motivational talk on the topic How to be an effective entrepreneur.

™ On 27th July 2015 Mr. Alex P. George, MD, Alco industries released Aarika soap as an initiative of

promoting entrepreneurship skills among students.

™ KCSTE sponsored workshop on Advances in Fermentation Technology and downstream processing was held the department from 17th August to 21st August 2015.

™ On 17th August 2015 Dr. Hariharan Nellaiah , Biozeen addressed the fifth and seventh semester students on Downstream Processing in the Purification of Biologics – A Case Study.

™ On 18th August 2015 Ms. Priya Josson , BIOZEEN-addressed the fifth and seventh semester students on Production of Biologics and Biosimilars – Challenges , Host Cells and cell line Engineering for Biopharma.

™ On 19th August 2015 Dr. Febe Francis, Research Scientist , Hamilton Institute , Ireland addressed the students on Design of process parameters for efficient protein production Cell physiology and disruption strategies.

™ On 21st August 2015 Dr. Tenson Antony , CARE Keralam addressed the fifth and seventh semester students on Gas chromatography and HPLC.

™ As part of Palmarius 2015 various events were organized in the department like Mazehustle, Forensics, Indriya, Streax, Popout model.

™ As part of the Palmarius 2015 technical talks were conducted on October 7th and 10th 2015. The talks were delivered by Dr. Bishore, Ubio, Kochin on molecular diagnostic techniques and Dr. Sunilkumar, Synthite on Marketing sector in Biotechnology.

™ On 1st October 2015 five students of S5 BT gave an awareness session for plus two students at BVMS, Irinjalakuda as part of the outreach program 'Harithaavani'

™ An alumini interaction was held on 10th October 2015 with Sarath Menon, Quality controller officer, FCI.

™ Bionova – the one day seminar on Scope and Trends in Biotechnology organized for school teachers was conducted on 13th November 2015. The program was inaugurated by Dr. M. Haridas, Director, and Inter university centre for Biosciences, Kannur University.

™ An alumni interaction was arranged with Sarath Menon, Quality Control Officer, FCI on 10th October

2015 on the topic Job Opportunities.

* Dr. Rency Mathew of 2008 pass out addressed the final year students of 2012 batch on Jan 4. She shared her experience in Mc Gill University, Canada. She also encouraged the students to pursue post graduation and PhD from abroad universities.

* Dr. Leon Ittiachen addressed the students of Harishree School, Thrissur on the topic 'Biotechnology progress in the knowledge

5.5 AESON

* An add on course on the topic PIC Microcontroller was conducted on 7th March by Dr. Gopakumar P for S4 EEE students.

* A technical talk on Industrial Automation was conducted on 7th March 2015 by SMEC Automation Pvt. Ltd, Cochin for S6 students.

* An invited talk on 'Recent Trends in Power Electronics' by Dr. Subramanian, Associate Professor of VIT University Vellore was conducted on 10th April for M.Tech students and top 10 students of S6 EEE.

* In connection with Energy Conservation programme in Kodakara panchayath, Mr. Sebin Davis K conducted an awareness talk on 'How to use energy more effectively' for Kudumbasree members in the presence of Rev. Dr. Antu Alappadan on 1st of March in the auditorium near Muthuparambil temple.

* An awareness class on 'Energy Saving' was conducted for the school going students from houses in the ward.

* A motivational talk by Fr. Roy Joseph Vadakkan was arranged for the 3rd semester EEE students on 18th June 2015.

* A motivational talk by Varun Raj who was selected in Indian Navy (2011 batch student) was arranged for the 3rd sem EEE students on 22nd June 2015.

* KSEB Engineers visited S8 projects on 23/3/2015

* An introductory talk on "Earn while you learn" was conducted for S3 & S7 EEE students on 22/6/2015 by Mr Cecil Augustine, GM, Sales &

* A motivational Talk was conducted for S5 EEE students on 1st July, 2015 by Mr. George C Paul

* A faculty knowledge sharing program was conducted for faculties on 16th July 2015. The session was handled by Ms Jerin James, Asst Professor, EEE department on the topic "Implementation of Fuzzy Logic Controller".

* A collage making competition on "solutions for energy crisis" was conducted by AESON on 20th July, 2015 in connection with Nicola Tesla day

* As a part of extension of knowledge to society program, Electrical and Electronics Department conducted a one day workshop on "Basics of Electrical and Electronics" for the students of St. Thomas HSS Engandiyur on 22nd July 2015.

* A faculty knowledge sharing program was conducted for faculties on 4th August, 2015. The session was handled by Ms Merry Mathew, Asst Professor, EEE department on the topic "Modeling of power electronic circuits".

* Department of Electrical & Electronics Engineering, conducted an add on course on the topic "Basics of Electrical & Electronics Circuits" on 27th June, 4th July, 25th July, & 1st August 2015 by LIVE WIRE for S3 EEE students.

* A Technical Quiz competition was conducted by AESON on 18th September 2015 in connection with Engineers Day.

* As part of Palmarius 2k15, AESON conducted various technical talks from invited speakers such as Ms Smitha R (Assistant District Industrial officer), Ms Lissy Augustine (Senior Manager, Engineering Design, TELK), Mr Rakesh Gopalakrishnan (Assistant Manager, Electrical Section, Apollo Tyres) for S3, S5 & S7 EEE students. Various technical events such as shock balls, tech store, electric mastero, chain reaction & electro game were conducted. The master piece event of the technical fest was electro game.

* A MoU was signed between EEE Department and Hykon India (P) Ltd, Thrissur.

* EEE Department signed a MoU with Livewire – A Division of CADD Centre Training Services,

™ EEE conducted 4 days Hands on training on the topic Electrical & Electronics Circuit Building to S3(2014 admn) students by Ms Merlin LIVEWIRE, Chennai during June & July

™ A group of 5th semester EEE students have registered an Incubator firm named ‘SPARK’.

™ As a part of Academic Enrichment program, EEE dept conducted an industrial visit to CIAL, Nedumbassery for faculties on 18th December, 2015.

™ AESON conducted a 3 day value added program on “PCB Designing” by EFY Tech Centre for S4 EEE students on DEC 29,30 & 31, 2015.

™ An introduction to Matlab session for HSS teachers was done by Dr. Gopakumar P & Mr.Anoop V P, as a part of Ganitha 2K16.

™ AESON conducted an introductory talk on “Electrical CADD & Electrical Machine Design” by Mr. Sreejith K, Business Officer, Silverstone Info tech - CADD Centre on 23rd Jan for S6 EEE students.

™ The LED bulbs assembled by EEE students were distributed to 550 houses in ward 17, kodakara panchayath.

5.6 PACE

™ A poster making competition on the topic ‘Water and Sustainable Development’ was conducted on 20th March in association with ‘World Water Day’.

™ HOD and animators of CE Department conducted a career survey for 2014 CE batch students on 18th June 2015.

™ G. Goplakrishnan took class on Petrology and Mineralogy for 2014 CE batch students on 29th & 30th June 2015.

™ Mr. Viju Antony conducted a five day workshop & training in REVIT software for 2012 CE batch students from 6th July to 10th July 2015.

™ Mr. Viju Antony conducted a three day workshop & training in AUTOCAD software for 2013 CE batch students.

™ Dr. Balan, Professor, Govt CET took class on pile foundation for 2012 batch CE batch on 24th July 2015.

™ Prof. P C Davies accompanied S7 CE 2012 batch for industrial visit to Chowara Water Treatment plant.

™ Ms. Gokila Chandran & Ms. Hredya Paul conducted PACE technical event in connection with ‘Nature Conservation Day’ on 28th July 2015.

™ Dr. Rev Fr. Antu Alappadan inaugurated the ‘Environmental Lab’ on 3rd August, 2015.

™ Mr. Viju Antony conducted workshop on REVIT exam for 2012 CE batch students on 5th August 2015.

™ Mr. K M Vincent conducted technical talk on practical aspects on Foundation Construction for S7 CE Students on 7th October 2015.

™ Ar. C S Menon came for a technical talk on Architecture on 8th October, 2015.

™ PACE conducted Faculty development program in concrete mix design on 16th 17th & 18th February.

6.0 Students Projects:The students are encouraged to do project in all semesters starting form I & II semester to VIII semester.

™ In Techtop National innovation competition 2015 held from 24th to 26th June 2015, the team consisting of Ms. Anju Francis (412902), Ms. Blessy Varghese Therattil (412704), Ms. Parvathy Jayesh (412714), Ms. Neera Francis (412710) and Ms. Pinky Chandran (412715) of S7 BT guided by Mrs. Ranimol G won The Best Women’s Only Project Group award. The award consisting of Rs.20000 cash prize was bagged for their project ‘BIOREFINERY —A GREEN SOLUTION FOR WATER POLLUTION’ an innovative technique for industrial effluent water treatment.

™ Mr. Athul Raj (312403) Ms. Athira (312910) , Ms. Neenu P (312906) and Ms. Neenu Jose (312904) of S7 BM got selected and received a grant of Rs10,000/- from Manorama Yuva Mastermind for their project tit led “Patient Bed with Automatic Faecal Disposal System” .

™ Ms. Mafinah Maien (312714), Ms. Bindhu John (312712), Mr. Tijohn (312710) and Mr. Jaison Joseph (312901) of S8 BM under the guidance of Mr.Ragesh on the topic “Android based Communicator for Deaf , Blind and Mute” and another team comprising of Mr.Athul Raj (312403),Ms.Athira A (312910),

Ms. Neenu P (312906) , Ms. Neenu Jose (312904) under the guidance of Ms. Jinu and Mr. Jibin on the topic "Automatic Fecal and Urine disposal system for bedridden patients" were qualified to the final round of Dr. Pradeep P Thevanoor innovation awards at SCMS ,karukutty. They were awarded with Rs 10,000 each and a certificate of merit.

+ A students project from S8 BM was selected for Gandhian young technological Innovation award, and they were invited for a presentation at Rashtrapati Bhavan, New Delhi on 13th March. The project guide is Prof. Jibin Jose and students are Neenu Jose, Neenu.P, Athira.K.R and Athul.K.Raj.

+ A project grant of Rs 40,000/- received from the Institution of Engineers India for the M.Tech project of Miss stenny Mary Anto project guided by Dr. Leon Ittichen.

+ S5 students of 2013 batch attended 4 days internship at Biozeen, Bangalore from 11Nov to 14 Nov 2015.

+ Mr. Sajin A.K M.Tech 2015 pass out student published a paper titled Molecular Docking studies on phytocompounds from the methanol leaf extract of Carica papaya against Envelope protein of dengue virus (type-2) in the Journal of computational methods in molecular design.

+ Jasmin Habeeb, Manasa Manoj, Haritha Hari, Vimal Raj of S8 BT won 2nd prize in paper presentation at IIT Madras.

+ Mr. Fabin Antony , Mr. Arjun N A and Mr. Arjun V of the 5th semester ECE (2013-17 batch) won the third prize in a digital circuit designing competition at NIT Calicut for the event "Tathva'15" conducted on 30th and 31st October 2015.

+ Mr. Jeswin of the Vth semester ECE (2013-17 batch) won the first prize in a aero designing competition at NIT Calicut for the event "Tathva'15" conducted on 30th and 31st October 2015.

+ Mr. Delwin David and Mr. Francis Fendry V of the Vth semester ECE (2013-17 batch) won the second prize in Quiz competition held at NSS Palakkad in the event Dhruva 2K15 on October 17th.

+ Athira Ravindran (112722), Hemilda

(112735), Eby Tony (112013) and Jackson Chacko (112711) of the 2012 admission batch participated in project competition held under the Techfest organized by Abdul Kalam Technological University in association with KSCSTE and won a special prize of Rs.5000/-.

+ Ajesh Wilson (112903), Harikrishnan C.P (112017), Ansu Anto (112004), Darshana (112012) and Chippy M Glenn (112724) of the 2012 admission batch got selected for the semifinals of P.P.Thevanoor Innovation Awards, conducted by SCMS School of Engineering and Technology, Karukutty. They won a project grant of Rs.5000/-. The project was guided by Ms. Jesin James

+ The project entitled 'Plastic Composite Concrete Block' was selected in Yuva Master Mind, guided by Ms. Gokila Chandran and the project members are Ms. Reeba Roy, Ms. Prabha John, Ms. Christy, Ms. Ruksana & Ms. Bijosha of S5 CE.

+ Ms. Reeba Roy, Ms. Prabha John, Ms. Christy, Ms. Ruksana & Ms. Bijosha of S5 CE won the first prize in NIT project competition, prize worth Rs. 18000 guided by Ms. Gokila Chandran.

+ Mr Sebin Benjamin of 2012-2016 CS won the 2nd prize in Web Designing contest conducted at GEC Thrissur

+ Mr Sebin Benjamin and Mr Krishnadas Naina of 2012-2016 CS won the 3rd prize in Overnight Coding contest conducted at GEC Thrissur.

+ Mr Alex and Mr Ferdinand of S3 CS A won the first prize in the Quiz competition conducted by BT Department in connection with Environment Day on 29th June 2015.

+ Mr Vishnudas & Neeraja James of S7 CSE B won the second prize in the Debate competition conducted by Dept. of Bio Technology in connection with 'National Technology' day on 23rd July 2015.

+ A project team guided by Havinash P H & consisting of Vidhu Venugopal ,Angel C Rajan & Anita Sherin ,Priya N C (S8 CSE) presented their project "Health care Monitoring and disease Trend System using Big Data Analysis" on 18 th March at Holy Grace College of Engineering and Technology and published a paper in IJARTET (ISSN 2394-3777).

+ Eight students of M.Tech (2014-2016CS) published their paper in ICCEECON 2015 conducted on 22nd April 2015 at Christ Knowledge City, Mannor.

+ Susmitha Antony(612034) of S8 CE participated in State level Auto CADD competition and got 2nd prize in the State and was selected to National level

+ The project entitled “Fault detection in distribution line system” submitted by Mr. Ramakrishnan P. V. as the Principal Investigator (PI) and Sara Sunny, Anamol Jose, Nithalal P. B., Joseph Jose, Jithin K. as student investigator received a grant of Rs. 10000/- from Kerala state Council for science technology and environment.

+ Blessy Sabu of M2 PED presented a paper titled ‘Harmonic Resonance Analysis in WPP using various Filter Techniques: A Review’ at the International Conference on Emerging Trends in Engineering & Technology – ICETET 2015, organized by Thejus Engineering College, Vellarakkad on April 23rd & 24th

+ Anju Mohan of M2 PED presented a paper titled ‘CUK Converters- A Comprehensive Review Based on Topology, Control & Applications’ at the International Conference on Emerging Trends in Engineering & Technology – ICETET 2015, organized by Thejus Engineering College, Vellarakkad on April 23rd & 24th

+ Neeraj N of M2 PED presented a paper titled ‘A Comparative study of Harmonic Compensation Techniques in Microgrid using Active Power Filters’ at the International Conference on Emerging Trends in Engineering & Technology – ICETET 2015, organized by Thejus Engineering College, Vellarakkad on April 23rd & 24th

+ Sangeetha S of M2 PED presented a paper titled ‘A Review on the operation strategies of spic converters’ at the International Conference on Emerging Trends in Engineering & Technology – ICETET 2015, organized by Thejus Engineering College, Vellarakkad on April 23rd & 24th

+ Udhyami M B of M2 PED presented a paper titled ‘Synchronous Buck Converter’ at the International Conference on Emerging Trends in Engineering & Technology – ICETET 2015, organized by Thejus

+ Mr. Ayyapadas P S of M4 ES and Ms. Jisha Jacob (Assistant Professor, ECE) published a paper titled ‘A Novel Approach of Low Power Area and Delay Efficient Ladner Fischer Carry Select Adder’ in the IRFIRAJ Research Forum, ISBN 978-93-84209-9002

+ The project entitled “ Dynamic Power Optimization using Voltage Optimization “ submitted by Ms. Ashna Mohan as the Principal Investigator (PI) and Ajith S Menon, Asha C.V., John p Johny, Jibin Johny, Doncy K John as student investigator received a grant of Rs. 10000/- from Kerala state Council for science technology and environment.

+ S6 EEE students Mr. Nithin Jose, Ms. Ashy Paulose, Ms. Mereesha Johnson & Mr. Jithu Jimmy published paper in IJAREEIE with impact factor 1.69, guided by Jitha Joseph Asst. Prof EEE.

+ Twinkle Thobias(512008) (EEE) presented a paper titled “Witricity” in National Conference on applications of Engineering for Green Technology conducted by Heera college of Engineering and Technology.

+ Dixon Pauly (512009) published a research paper titled “Highly efficient free space laser communication” in IJAREEIE.

+ Preejo K Paulson (512725) published a research paper titled “Highly efficient free space laser communication” in IJAREEIE.

+ Miranda Thomas (EEE) published a research paper titled “Highly efficient free space laser communication” in IJAREEIE.

+ Maneesha Mohandas (512714) won 3rd prize in paper presentation competition on the topic Trends and Challenges in Smart grid Technology organized by KSEB Engineer’s Association.

+ Swetha Sathyan (512720) won 3rd prize in paper presentation competition on the topic Trends and Challenges in Smart grid Technology organized by KSEB Engineer’s Association.

+ Gibin Mathew Padayattil (512011) published a research paper titled “Highly efficient free space laser communication” in IJAREEIE.

+ Gibin Mathew Padayattil (512011) presented a

applications of Engineering for Green Technology conducted by Heera college of Engineering and Technology.

+ Gibin Mathew P (512011) of S8 EEE presented a paper on “Power Augmentation in Kerala issues, challenges & solutions” in the district level seminar competition organised by the KSEB engineer’s association with the support of IEEE power & energy society kerala chapter on 27th January & secured third position among the participants.

+ The project on ‘automatic Urine & Faecal system was the Gandhian Young Technology Innovation (GYTI) Award 2016- Rs. 15 lakhs.

7.0 Students Council : The Following Office bearers were nominated to the College Students Council for the year 2014 – 15

1. CHAIRMAN : Ms. INDULEKHA MOHAN (612902) 7th CE
2. VICE CHAIRMAN : Mr. ANIK RAJ (213703) 5th CS
3. GEN. SECRETARY: Mr. ARUN B JOSEPH (114003) 3rd EC
4. ARTS SECRETARY : Ms. SHAFNA K B (113052) 5th EC
5. JOINT ARTS SECRETARY
Mr. NIDHIN RAMESH (514915) 3rd EE
6. MAGAZINE EDITOR: Ms. TANYA MERIAM SUNNY (213748) 5th CS
7. JOINT MAGAZINE EDITOR Mr. BENNET JOBY (314905) 3rd BM
8. SPORTS SECRETARY
Mr. ABHIJITH B (113001) 5th EC
9. JOINT SPORTS SECRETARY:
Ms. SHIJI GOPALAKRISHNAN (414742) 3rd BT

Mrs. Dhanya Joby (Asst. Prof. in GS) Faculty Advisor of Students Council

+ Students council for the academic year 2015-16 was inaugurated on 15th July, 2015. + His Excellency Mar Pauly Kannookadan inaugurated the 2015 batch orientation

programme on 1st August

+ College students council organized the Independence day celebration on 13th August, 2015.

+ Students Council celebrated the Teacher’s Day on 4th Sept. 2015 by presenting the greeting cards to all teachers. S7 students were given an essay writing competitions on Dr. APJ Abdul Kalam **THE TEACHER WHO MADE A DIFFERENCE**. The winners were Catherine S7 CE, BLESSY (BT)

+ Students Council celebrated Engineers Day. Oath taking ceremony lead by Dr. Nixon Kuruvilla during assembly.

+ In order to pay homage to our former President Dr. A P J Abdul Kalam Student Council arranged a tribute banner in the main lobby of our college. All the staff & students were asked to pay tribute to Dr. Kalm by signing on the banner.

+ Student’s council celebrated Onam with lot of programs including “Onam Sadhya” on 22nd September.

+ In the honor of late former President Dr. APJ Abdul Kalam his birthday was celebrated as students day as informed by Calicut University and a paper presentation competition was organized in connection with this. The following students presented papers and were sent to university for the selection to Poulouse (M. tech 1st year), Chanjel Babu (S5 ECE), Sajjad Ali (S7 CSE)

+ Student’s Council conducted the Annual Athletic meet on 24th & 25th Feb and Annual Arts Festival on 26th & 27th Feb.

+ Sahrdayam 2K16 – a joint venture of Sahrdaya College of Engineering & Technology with Medical College Thrissur was organised by the student council & NSS unit of SAHRADYA. It aimed at providing natural hair wigs to poor cancer patients. Hair was donated by students, their family members, & staffs of our college.

+ On 11th March 2016 the NSS volunteers in association with college Student Council organised Hair donation Camp along with Medical College, Thrissur.

8.0 SPECIAL EVENTS

+ On 26th & 27th February we Arts Day celebration

‘Symphony 2K16’. was Conducted It was inaugurated by Playback Singer Mr. Vineeth Mohan.

The following students were selected as the best performers of Arts Day

Kalaprathibha	Kalathilakam
Harikrishnan	Sruthy Balachandran
(413707) S6 BTE	(613040) S6 CE

Sargathilakam	Sargaprathibha
Blessy Varghese	Theratil Sreerag Saleesh
(412704) S8 BTE	(115713) S2 ECE

Best Actress

Catherine Davis (213906)S6 CSE

+ “College Day-2015” was celebrated at College Auditorium on 26th March, 2015. Prof. Abdul Rahman, PVC of KTU inaugurated the function. The Diamond Ring for the Best All round student of the year 2014 – 15 sponsored by M/s Sunny Diamonds, Rajaji Road, Ernakulam was awarded to Ms. Liya Stanly of S8 EC.

+ International women’s day was celebrated on March 8th with a cookery show, jewellery making competition and talks by Prof. Savitha Lakshmanan and Ms. Padmaja S Menon.

+ On 11th March, we had the formal Inauguration of IEDC Boot Camp and research centre.

+ On 13th March, in connection with the Women’s Day we had Prof. Savithri Lakshmanan who was the member of Lok Sabha and the member of Kerala Legislative Assembly to address the Female Faculty.

+ The send off function of 2011-15 batch students was organized and held on 28th March 2015.

+ Farewell to 1st M.Tech Batch was given. During the program, farewell message was given by Bishop Selvester ponnunmuthan (Bishop of Punalur Diocese). Rev. Msgr. Sebastian Maliekal delivered the presidential address. Executive Director Rev. Fr. Dr. Antu Alappadan, Director Prof. K.T. Joseph, Principal Dr. Sudha George Valavi and Vice Principal Dr. Nixon Kuruvila were present during the occasion.

+ Faculty Meritoria 2K15 was held on 25th April wherein His Excellency Bishop Mar Pauly Kanookadan presented mementos of appreciation and cash awards to the staff for their distinguished achievements. The following staff were honoured: Ms. Mercy Abraham

for her contribution towards approval of the MBA course, Ms. Daisy Paulson for her valuable contribution in Accounts and Mr. Manoj George for his valuable contribution in media works relating to the college. The following faculties with highest API from respective departments were also honoured: Dr. Nixon Kuruvila (GS), Ms. Vini Jose (HR), Mr. Jis Paul (BM), Dr. Ambili Mechoor & Ms. Salini P J (BT), Ms. Jisha Jacob (EC), Ms. Deepa Devassy (CS), Mr. Sebin Davis (EE), Ms. Reshma Antony (CE). Also faculties who achieved above 95% pass percentage in their respective subjects received letters of appreciation and cash awards.

+ On 5th June 2015, we inaugurated the International Conference, TRENDS 15. Dr. George Varkey, Executive Director, Mobile Technologies inaugurated the conference.

+ On 30th June, 2015 Sahrdaya honoured Dr. Asha N D for her Ph.D degree in Biosignal Processing from NIT, Calicut. A formal send off was also given to Mr. Davis M S, office assistant, who relieved from service on the same day.

+ Mr Ashin Rekhunath 2011-2015 batch of CSE Department secured a GATE score of 504 and his all India Rank is 4037.

+ Mr Alex and Mr Ferdinand of S3 CS A won the first prize in the Quiz competition conducted by BT Department in connection with Environment Day on 29th June 2015.

+ Research & Development council has organized a session on ‘How to Write a Technical / Research Paper’ on 24th July, 2015.

+ Sahrdaya bagged ‘Swachh Campus Award 2015’ having being adjudged as the cleanest campus among the affiliated colleges under the University of Calicut on 7th August, 2015.

+ Celebrated International Youth Day on 12th August along with Rotary Club of Trichur.

+ Mr. Stephi Thomas student Ambassador of external affairs from Wilmington University visited our campus and addressed the students on the Graduate Degree Program.

+ Prof. Devadas Menon (M.Tech, Thrissur Cluster Chairman) addressed the P G Students on “Finding

Fulfillment in Life beyond Engineering” on 19th August, 2015.

™ The team of following students were selected to receive the “Startup Box” worth Rs.2 Lakh from Chief Minister. The team consist of Neeraj M.G (S5 CS) , Anik RAJ (S5CS), Jesse Wilson(S5 EC), Sibin Sunny (S5 EE)

™ UST Global conducted an idea contest on 13th Oct 2015.The team members who won the 1st prize are MS. Aleena Antony and MS. Divya D Menon from S7 CSA batch.

™ Calicut University Institute of Engineering and Technology & Federal Institute of Science And Technology (FISAT) visited Sahrdaya as a Center of Excellence.

™ Mr. Vishnudas and Mr. Krishnadas Naina (CS) from 2012-2016 batch got placed in TCS through an off campus interview

™ 10 students were placed in UST GLOBAL from Sahrdaya. Out of which seven students were from Computer Science Department, Placement drive was conducted on 26th October 2015 at SCMS Engineering College Karukutty.

™ 3 students were placed in IBS from CS Department.

™ The final year students (2011-2015 batch) of EEE have donated a wall clock to decennial block as atoken of their love and memories.

™ Central Library working time is extended up to 10.00 pm from 6th July, 2015.

™ As a part of Independence Day celebration our national flag was hoisted on 15th August, 2015.

™ The 9th Convocation Ceremony of Sahrdaya college (2010-2014 Batch) was held on 11th November, 2015.His Excellency Mar Pauly Kannoorkadan, Bishop of Irinjalakuda Diocese Presided the convocation and Dr. M K Abdul Khadeer, Honourable Vice Chancellor of Calicut University delivered the convocation address.

™ Ms. Dhanya Jose (VIIth CS) received the grand prize in the essay writing competition conducted by the Embassy of Vietnam.

™ CSI students chapter is conducted a workshop on ‘Big Data Analysis’ on 28th September, 2015.

™ Nov 11th was Constitution Day, students took oath in connection with this day.

™ Dec 10th was observed as Human Rights Day.

™ Mr.Stephi Thomas student Ambassador of external affairs from Wilmington University is visited our campus and addressed the students on the Graduate Degree Program on 12th November 2015.

™ Ms. Neema Joju 4th CS was shortlisted to participate in the district level Elocution contest conducted by Nehru Yuva Kendra.

™ In connection with the ‘National Road Safety Week’ the RTO of Irinjalakuda addresses the students and staff on 13th Jan, 2016.

™ A session on ‘Tips & Strategies for GATE 2016’ was arranged on 15th Jan, for the students & staff registered for the GATE exam.

™ The 25th issue of Sahrdaya semester news letter ‘ Techno Beads’ was released on 15th Jan by Rev. Dr. Antu Alappadan (Executive Director).

™ The inauguration of the 2nd Volley Ball court was arranged on 20th Jan with a practice match between 3rd years & 4th years.

™ Kerala Startup Mission conducted a 3 day inter collegiate work shop named as “Startup i 3”(ideate-innovate-incubate)at our campus on Jan 21 – 23.

™ Sahrdaya Rotarct Club was inaugurated by Rotary Government Rtn. Kamalesh V Raheja on 28th Jan.

™ Rev.Dr. Joji Palamattath and Fr. Sebin Edattukaran took over charge as Associate Executive Director and Asst. Finance Officer respectively on 29th Jan, 2016.

™ Jeevan T.V telecasted an episode about Sahrdaya on 7th Feb at 1:30 pm under their programme on “Mukangal Mudrakal”.

™ A pilgrimage to “Kanakamala” was arranged on 20th Feb 2016

™ In connection with Women’s Day a special talk on “Cyber Crime” by Mrs.Dhanya,Cyber Crime Investigator was arranged for the girls on 8th March, 2016.

9.0 Participation in Inter Collegiate Competitions:
Our Students participated in many Inter Collegiate

Technical, Arts and Sports Competitions and won prizes. The following students won prizes in various competitions during the period of Report.

+ Angel Mariya Paul (M4 ES) won the best paper award for the paper 'Intergrated SIFT and MI for Automatic Image Registration' at the National Conference in Communication and Microelectronics conducted at SCMS, Ernakulam.

+ Mr. Ashith Raghunath of 2011-15 batch CSE department secured a gate score of 504 and his all India rank is 4037.

+ Mr. Fabin Antony and Mr. Chanjel Babu of S4 EC secured second place for their paper 'Inspiring lives in Computer Science and Engineering' in the Annual Paper presentation competition AVANZA'15 organised at Albertian Institute of Science & Technology.

+ Udhyami M B of 1st sem Power Electronics and Drives presented a paper titled 'A Comparative Review of Different Boost Topologies with Interleaved Boost Converter' at the National Conference- nCORE Tech 2015 organised by LBS College of Engineering , Kasargod on Jan 20 & 21.

+ Anju Mohan of 1st sem Power Electronics and Drives presented a paper titled 'Analysis – Design and Tabulation of various current Fed Push Pull DC-DC Converters with Soft Switching for renewable energy applications' at the National Conference – nCORE Tech 2015 organised by LBS College of Engineering , Kasargod on Jan 20th & 21st.

+ Blessy Sabu, student of 1st sem Power Electronics and Drives presented a paper titled 'A Comprehensive Review of Different APF Topologies for Power Quality Enhancement' at the the National Conference – nCORE Tech 2015 organised by LBS College of Engineering , Kasargod on Jan 20 & 21.

+ Sangeetha S of 1st sem Power Electronics and Drives presented a paper titled 'A Survey of Different PWM Techniques for DC-DC Converters' at the the National Conference – nCORE Tech 2015 organised by LBS College of Engineering , Kasargod on Jan 20 & 21.

+ Gayathri Ravindran, Greeshma Louis, Merin Chacko C., Swathi Victor & Vidhya James of S8 EEE

presented a paper titled 'Methodology for Enhancing Voltage Angle Estimation in Practical Load Flow Analysis under Admittance Parameter Uncertainty' at the National Conference on Application of Engineering&Technology organized by Heera College of Engineering &Technology, Nedumangad on Feb 20th & 21st

+ A team consisting of MS. Maneesha Mohandas & Ms. Swetha Sathyan (6 EEE) guided by Dr. Gopakumar P won the 2nd runner –up trophy in the paper presentation contest conducted by KSEB in association with IEEE in February.

+ A project group from 6th semester BT was selected to the final round of SPARKLE 2015 Design Contest at KPIT Technologies Ltd. & College of Engineering, Pune.

+ Teena Catherine, Vimal Thomas, Robin P K, Thomas Antony & Nikhil Dianitius of S8 EEE exhibited their project 'Motor Cycle for hand disabled' in the final round of SHRISHTI 2015 held at SAINTGITS College of Engineering on Feb 13th & 14th 2015

+ The college Table Tennis team consisting of Anamika (6 BT), Aiswarya P (1 & 2 EEE), Megha (4 EC) & Ananya (4 EC) won the PEGSAGA 15 Winner's Trophy for TT (Women's) Championship in April.

+ The college Shuttle Badminton team consting of Jitha Jimmy (S6 EEE), Bhavya V H (S8 BT), Jeslin P (M4 IBT) won the PEGSAGA 15 winner's trophy for TT (Women's) Championship in April.

+ Our college Badminton & Table tennis team won the winner's trophy in 'PECSAGA' Tournament.

+ Megha Benny of Vth Semester ECE (2013-17 batch) won the second position in the Calicut University D Zone Table Tennis Championship conducted on 28th September 2015.

+ Eight students of M.Tech (CS) published their paper in ICCEECON 2015 conducted on 22nd April 2015 at Christ Knowledge City, Mannoor.

+ Four students of M.Tech CS 2014-2016 Batch published their papers in the IJCSIT Journal.

+ Mr. Austin Davis (S6 EC) was selected for the UN Certified workshop for students under start up leadership training scheme at Trivandrum on 6th June 2015.

™ Ms. Jasmine Habeeb of S7 BT won “Sadguna Award 2015”. The university has instituted an award for value promotion. Aptly named Sadguna Award, the move is widely acclaimed as the only one of its kind among universities in the country. Vice Chancellor M. Abdul Salam calls it a “humble beginning in the promotion of value education.”

™ The block level inter college debate competition “Speak for Kerala” organized by Mathrubhumi along with federal bank conducted at our college on 27th Nov 2015.

™ Table Tennis (Women) team won the runner-up trophy in Calicut University inter collegiate tournament. Players are Anamika (S7 BT) (Captain), Megha Benny (S5 EC) and Aiswarya P (S3EEE).

™ Arjun A (S5 EC), Athul Kamal (S3 EEE), Avin Davis (S3 EEE) participated in the Calicut University D ZONE Chess Championship at SNDPY College Perinthalmanna, Malappuram on 29th September 2015.

™ In the “Health Hackathon” organized by Kerala start up mission and Sree Chitra Tirunal Institute of Medical science & Technology, Trivandrum, the team of BM department , won the 1st ,2nd ,3rd prize. First Prize (Rs. 30000) won by Afna Fathima (312000), Rajish Rajagopal (312718)of S8 BM, Second prize (Rs. 20000) won by Alka Rajendran (313000) of S6 BM, Third prize (Rs. 10000) won by Anusree K R (313912), Aysha P H (313500), Aiswarya A G of S6 BM.

™ Mr Edwin CB, Mr Benzon Pananchery and Mr Anudeep of CSE participated in the project competition at SCMS and won consolation prize worth Rs. 5000. Project Guide is Mrs Soumya Varma.

10.National Service Scheme:

™ On 27th March 2015, the NSS unit organized a motivational talk in association with Alpha Palliative Care. The session also included the distribution of the charity amount collected by selling ornaments and books. Dr. Anandam (Medical Head, Alpha Thrissur), Mr. Ajeesh (Physiotherapist, Alpha Thrissur), Mrs. Jessy Thomas (Writer) and Alpha patients had also participated

™ IMA organized a blood donation camp in association with NSS Unit & EBSA on 4th Sept. 2015.

™ Sahrdaya received ‘Consolation Prize’ IMA,

KALALAYATHULLIKAL in the district level blood donation on 18/08/2015 at Christ College Irinjalakuda district level.

™ On 2nd October NSS Volunteers cleaned the Primary Health Centre, Kodakara.

™ NSS program coordinator Ms. Soumya C, attended the orientation course at Rajagiri college, Kalamaserry organized by Calicut University from Nov 19 to 25, 2015.

™ In connection with AIDS Day NSS Unit distributed red ribbons to all staffs and students. The NSS Unit also arranged a talk by Dr. Nalini on the topic ‘Aids Connected to Health’.

™ NSS unit has arranged a special camp from 15th to 21st Dec at Vellikulangara, Ckakkana.

™ On 14th January 2016 as a part of Road Safety Week, the NSS volunteers organised a seminar on “Road Safety” among the youth in SCET.

™ On 21st January 2016 two of the NSS volunteers participated in a one-day district level seminar on “Human Rights and Right to Information” at Govt. Law College, Thrissur.

™ On 26th January 2016 the NSS unit celebrated Republic Day by hoisting the National Flag.

™ On 28 January 2016 the NSS volunteers organised a Personality Development Class for the first year students of SCET.

™ On 17th February 2016 two of the NSS volunteers participated in a one-day district level workshop on “Dalit and Adivasi Issues in India” at MES Asmabi College, Vemballur.

™ On 25th February 2016 the NSS volunteers organised the College Sport’s Day.

The individual champions are

S8 EC Belpy Baby (112008)

S6 BM Joel Johnson Simethy (313009)

™ On 7th March 2016 the NSS Volunteers of Sahrdaya College attended a seminar in connection with “Yuvakarshaka Sangamam” at Thrissur Town Hall. 10 students went for the seminar and served as volunteers for the same.

™ On 8th March 2016 two of the NSS volunteers participated in the “Vanithabhan 2016” organised by

Nehru Yuva Kendra, Thrissur in co-ordination with NSS TM On 8th March 2016 NSS volunteers in association with the college organised a talk on “Cyber Crimes” by Mrs.Dhanya Lawrance.

TM On 10th March 2016 two of the NSS volunteers attended a one day awareness programme on “Organic farming techniques” at Vimala College, Thrissur.

TM On 11th March 2016 the NSS volunteers in association with the Student Council organised Hair donation Camp along with Medical College, Thrissur.

11. Research & Development Council

TM Compilation of all the published research papers of the faculty during 2014 - AAVISHKARAH -2015

TM Biotechnology for Rural development - Project funded by KSCSTE - Mushroom production trained around 20 families of rural women in the field of mushroom cultivation. This will in turn be an added income for the household. The lead for training sessions for mushroom production and identification of potential customers and selling of mushroom is undertaken by the department.

TM MoU has been signed with

- (a) M/S Arjuna Natural Extracts Ltd , Alwaye
- (b) M/S Biozeen , Bangalore
- (c) uBio, Kakknad (Process initiated only)

TM Academic and research recognition (process initiated)

TM Two more research proposals sanctioned

- (a) Rs 40 K from IEI (Dr. Leon Ittiachen & Steny Mary (M.Tech)
- (b) Rs 60 K from KSCSTE (Dr. Gopakumar, EEE dept)

TM Training Programme for faculty in (a) How to write research papers (b) Where to get research funding from

Research grants

TM BIOTECHNOLOGY FOR RURAL DEVELOPMENT- KCSTEC funding of 2 lakhs was sanctioned for Mushroom cultivation. The project coordinators are Dr. Ambili Mechoor & Ms. Rahna K. Rathnan.

TM Dr. Gopakumar P has received a fund of Rs.60K from KSCSTE for implementing Hybrid microgrid

laboratory model.

TM Ms. Rahana K Rathnan and Dr. Leon Ittiachen Development of a novel Fermentative microbial fuel cell for production of renewable energy from insoluble agricultural waste from IEI (Rs. 40 K)

International Recognition

TM Dr.Gopakumar P has been Selected as one of the contributing authors to an International text book on “Synchronized Phasor Measurements for Smart Grid” by The Institution of Engineering and Technology (IET), UK.

TM Dr.Gopakumar P has been Selected as one of the programme committee members for IEEE International conference on “Environment and Electrical Engineering, Rome.

TM Dr. Ambili Mechoor has been the contributing author for two chapters in the Methods in Molecular Biology – ZYMOGRAPHY - Wiley publications.

Special Activities

TM Dr. Manoj Conducted two classes for faculties on Technical Paper writing.

TM Dr. Ambili - Invited Speaker – National Seminar on Latest Trends in Cancer Biology, Wayanad 12.News @ IEDC

12. Innovation & Entrepreneurship Development Council

TM On 10th March Msgr. Sebastian Maliekal blessed Innovation and Entrepreneurship Development Centre.

TM Startup Bootcamp was officially inaugurated on 10th of March. On the same day Sahrdaya and Startup Village signed a MoU. Mr. Sreerag, Manager Startup Village delivered the keynote address and inspected IEDC facilities.

TM Startup Bootcamp Members of IEDC fabricated a 3D working model of its logo and released it on 10th of March.

TM Rupees 2 Lakh was allotted to IEDC Sahrdaya as Startup Bootcamp fund for bootcamp activities from Govt. Of Kerala.

TM On 20th February IEDC conducted a group discussion on “Projects to Startups”

TM IEDC coordinator and Startup Boot camp CEO, attended state level Inaugural function of startup bootcamp by chief minister on 21st February 2015 at Model Engineering college, Thrikkakara

* IEDC conducted a free workshop on 555 IC to the interested students.

* The Women members of IEDC , participated CII's Women Entrepreneurship Submit at Lulu Convention Centre, Thrissur on 21st April. This interaction helped to get support from Prominent Women Entrepreneurs in IEDC activities.

* IEDC had conducted a title giving contest for a product (soap) which was launched in association with BT department.

* IEDC made video shooting of all the final year projects and 6th semester mini projects and saved it as a digital repository

* IEDC in association with CURIO Corp made a proposal to KSEB, for an innovative method of Pole Numbering with Mr. Sebin Davis of EEE as the project coordinator for KSEB project. On 14th May IEDC – Curio corp team made a presentation to KSEB officials at Vidutha Bhavan, Trivandrum .The idea was shortlisted for trial implementation and awaiting to clear with govt. formalities.

* Following student startup initiatives are nurturing at Sahrdaya

SPARK: It's a startup company incubated with startup village which develop home automation systems

RARE: A startup company which promotes home automation product development and training. Company is incubated with Startup village

TAPIKO: A startup company with interdisciplinary branches of students which develops financial technology. This startup incubated with Startup Village through IEDC sahrdaya's virtual incubation.

CURIO CORP: This is a social-entrepreneurship based startup company promoted by Executive Committee of Startup Bootcamp. Company's first product Fresh From Farm (F3) is at its final stage of completion.

A GREEN SOLUTION FOR WATER POLLUTION – Outcome of women Entrepreneurship Promotion of IEDC. This Biotech team is now moving forward in incubation process with the help of KSIDC

FAB BIOMED: This final year BME students rehabilitation engineering based startup plans to incubate

with the help of KSIDC

PETRA- It's a new startup initiative from second year civil engineering students to start an e-commerce company for construction materials.

ARTICRATS-This information communication technology based startup proposal from 2nd year CSE students is on review.

* Mr. Aravind B, faculty in ECE, is appointed to IEDC as an Asst. Coordinator

* A workshop on Microsoft Azure was conducted for S5 CS students in association with the computer science department on 16th July 2015. The workshop was conducted by Mr. Muhammed Ramees, the founder and president of Microsoft Developer community team, Kerala along with Mr.Muhammed Jameel, member of Microsoft Developer community team, Kerala.

* IEDC in association with Biotechnology Department have organized a talk by Mr.Alex P George, MD at Alco Industries to the Bio Technology engineering students on 27th July 2015.

* IEDC Sahrdaya in association with BioTechnology Department manufactured a product. The product is a soap "Arika" and the product launch was on 27th of July 2015.

* On 30th July, in association with EEE, EC and BM departments, IEDC organized a session on "Circuit Simulation and Analysis for Product Development" by Mr. Srinivas Chaturthy Director , CYME Automation Systems Pvt Ltd, Hyderabad 2015.

* IEDC has been allotted a notice board in the college main block in order to propagate techno-entrepreneurial news. IEDC bootcamp members is updating the notice board on all working days.

* IEDC conducted a group discussion to develop an idea on 'Smart Technology Solutions Against Corruption' on 16th Sept. 2015. The best Idea's were awarded with cash prizes.

* IEDC arranged a session on "Innovation and Entrepreneurship in Knowledge Economy (with focus on IPR and Patenting)" on 13th August,2015. By Dr.Leon Ittiachen ,Prof. in BT dept .

* Official website of IEDC, www.iedc.sahrdaya.ac.in was launched on July 15th ,2015. The

website contains all the information regarding IEDC , Events, Notifications, Achievements, Tutorials, Submit Your Idea , Project Funding, External Competitions etc.

+ IEDC conducted a one day induction program for first years on 22nd July 2015. Mr. Jibn Jose (IEDC Coordinator), Mr. Andrine Mendez (Founder of Saltmangotree), Mr Vishal B Kadam (Technical Officer, KSUM) and Mr. Ashok Panjikaran (Assistant MangerKSUM) addressed the students. Startup Bootcamp members introduced techno-entrepreneurial culture to the fresher's through an activity workshop. Best Performers was awarded.

+ On 22nd July, IEDC arranged an interaction session with team "BRANDFRAME" an alumni startup. Mr. Bonnie (CEO) and Mr. Edwin (CMO) interacted with the students.

+ On 23rd July IEDC arranged a review and assessment meeting with its advisor Dr. Manoj Mathew

+ Midhun C(S3 EEE), Akila C(S3 BM), Jiby Krishna (S3 BM) and Anjaly (S3 CS) team representing IEDC Sahridaya had participated in 2015 version of NAASCOM2020 conducted at John Cox Memorial CSI Institute of Technology, Trivandrum on 4th, 5th and 6th of September

+ Mr. Austin Davis, CTO of Startup Bootcamp, had taken part in the UN supported FORTE WORK SHOP. The workshop was conducted in two sessions, the first session extended from 15th of June to 17th June (conducted at Mar Baselios Engineering College, Trivandrum) and the follow up session was on 25th & 26th of July (conducted at Technopark, Trivandrum).

+ Mr. Austin Davis, CTO and Mr. Ajesh, Deputy COO of Startup Bootcamp participated in EXIMIUS '15, the National Entrepreneurship Summit at IIM Banglore on 8th and 9th of August, 2015.

+ On 5th September, Neeraj M.G participated in Campus++ Workshop of Kerala Startup Mission

+ On 27th August TAPIKO team members Anik Raj, Jesse Wilson, Neeraj M.G and Sibin Sunny received Chief Ministers Startup Box comprising of technology development supporting devices worth 2 Lakh at Chief Ministers chamber, Government Secretariat, Trivandrum

+ Jibin Jose, IEDC Nodal Officer &

participated at KTU Entrepreneurship workshop on 23rd June at CET campus Trivandrum.

+ Selection process of IEDC Bootcamp Vice President's from 2015 batch was completed on 11th of September

+ A delegation team of 16 members representing IEDC participated in YOUNG ENTREPRENEURS SUMMIT 2015 (YES CAN 2015), A Government of Kerala initiative to foster entrepreneurship in young minds, at Crowne Plaza Kochi on 12th September 2015. Two of the sahrdaya startup team done pitching with expert Mentoring Session.

+ On 29th September an official team from Kerala State Industrial Development Corporation Ltd. headed by R Prasanth, Deputy General Manager visited the campus and studied about technology business incubation possibilities with sahrdaya

+ IEDC Coordinator Mr. Jibin Jose and Athul K Raj of FAB BIOMED attended a workshop on Entrepreneurship with Professor Simon Stockely of Cambridge Judge Business School, Cambridge University at Crowne Plaza, Kochi on 5th October

+ On 17th November, IEDC arranged a Fabrication Laboratory familiarisation session for a faculty group headed by Prof. K.R Joy at Cochin FAB LAB.

+ IEDC Coordinator visited KSIDC INCUBATION CENTER at Infopark, Cochin on 17th November

+ On 9th October , IEDC arranged a Webinar Session for BME students with C Balagopal, founder of Thermo Penpol Pvt. Ltd, the first company in India to produce blood bags using indigenous technology and India's largest blood bag manufacturer. The speaker was a former IAS officer and he quit from the service to start his company.

+ On 4th November IEDC Coordinator visited Biotechnology Industry Research Assistance Council, New Delhi

+ IEDC Startup Bootcamp members attended ENTREPRENIA 15, An Entrepreneurship Summit at NSS College of Engineering, Palakkad, during September 19th-20th

+ Mr. Anik Raj, Deputy CTO

participated in Google's 24 hours InOut Hackathon at NIT Surat, Gujarat from 31st October to 1st November

+ Through IEDC Kerala Startup Mission sponsored rupees 1.25 Lakh to Ms. Sony N.S, Asst. Prof in BME for attending Entrepreneurship Workshop at Kolkata by United Nations Conference on Trade and Development.

+ On 1st of December IEDC arranged a discussion with Dr. K Prathapan, Director of State Horticulture Mission-Kerala, at Horticulture Mission Headquarters on Curio Corp's FRESH FROM FARM product. Discussion also reviewed few of the agriculture supporting student projects at sahrdaya.

+ Mr Anik Raj was selected as the student ambassador of Hackearth on 1st of December

+ On 28th of December IEDC arranged a Technology Buildup Interaction with Google's Chief Evangelist of Brand Marketing Mr Gopi Kallayil. at Thrissur Management Association. Faculties consisting of Dr. Leon Itieachen, Vince Paul, Jibin Jose and Aljo Joseph participated

+ On 31st of December IEDC announced starting of new clubs: 1) Coders club, 2) Hardware club, 3) Design club and 4) Podcasting club

+ On 15th January IEDC in association BME dept. with arranged a one day workshop on patenting and procedures by Mr. Srekanth K.B, Examiner for Patents and Designs, Govt. of India

+ Under the leadership of IEDC sahrdaya participated in Christ College Irinjalakuda's Diamond Jubilee Exhibition from 18th to 22nd of January 2016. Various student projects were demonstrated before the public.

+ IEDC Sahrdaya in association with Kerala Startup Mission arranged a 3 Day Inter Collegiate ideation workshop cum completion Startup I3-Ideate, Innovate, Incubate arranged during 21st to 23rd of January. Open Fuel group from IIM Ahmedabad lead the training. The Participants were also addressed by P.H Kurian IAS, Principal Secretary of IT and Industries, Govt. of Kerala, B Jyothikumar, Executive director of KSIDC, Vishal B, Technical Officer of KSUM, Ashok Panjikaran, Manager of KSUM, Jibin Jose, IEDC

Coordinator Sahrdaya and Reeba M, Student Bootcamp representative of Sahrdaya

+ Student representatives of Sahrdaya Participated in India's first health hackathon which was conducted at SCIMST on 30th and 31st of Jan 2016. The Event was conducted by Kerala Startup Mission, SCIMST Trivandrum and MIT Cambridge. 10 students from Sahrdaya were short listed and all the winning team had students from Sahrdaya. First prize was won by the team consisting Rajish Rajagopal(S8BM) and Afna(S8BM), Alka Rajendran S6 BM was in the team with Second prize and Anusree KR(S6 BM), Aysha PH (S6 BM) and Aiswariya AG(S6 BM) were included among 3rd prize winners

+ On 19th and 20th of February 2016, IEDC Coordinator Jibin Jose attended a 2 day Capacity Building Workshop of Nodal Officers at Amal Jyothi, Kanjirapilly by KSUM. During the meeting KSUM representative was mentioned about IEDC sahrdaya as one among the best performing IEDC's in the state.

+ On 24th of February 2016 IEDC arranged a discussion with Yash Saxeena, founder of Open Fuel. IEDC coordinator, Design club members and Design and Engineering Faculties attended

+ IEDC arranged a Project Model making competition and Mentoring session for S6 students in the month of February. From 5th of February onwards different sessions are arranged for different batches.

+ On 8th of March IEDC Coders club started CODE++, Hello world Hackathon. Program extended till 11th of March

+ On 9th of March IEDC Coordinator and IQAC Coordinator made a discussion with P.H Kurian IAS and Dr. Jayasankar Prasad regarding future possibilities with IEDC sahrdaya

+ On 10th March 2016, IEDC celebrated its 1st Anniversary and launched a Teaser

+ On 10th of March IEDC Podcasting club podcasted its first episode

+ Received Gandiyan young Technological innovation award 2016 by a team of students Neenu Jose, Athul K. Raj Athira K.R. & Neenu P. (S8 & ME) guided by Prof. Jobin Jose & Prof. Jinu Sebastian.

13. IEEE CHAPTER @ SAHRDAYA

™ IEEE E Execom inaugurated on March 21, 2015

™ As a part of the inauguration of Execom technical talk was delivered by Mr. Vijay S Paul on March 21, 2015.

™ Conducted induction programme for the first year students on August 27, 2015.

™ IEEE chapter organized a workshop in 'Android' on 8th Sept. 2015.

™ Foundation session on 7 habits of highly effective people on September 11, 2015.

™ IEEE conducted paper presentation contest 'AHASAS' in association with PALMARIUS' 15 on October 5, 2015.

™ THE TALKER – The socio engineering game in association with PALMARIUS' 15 ON October 5, 2015.

™ IEEE PES Quiz competition (Prelims) on October 9, 2015.

14.0 Other Important Programmes: The following programmes were conducted in the Campus during the period of report.

™ 7th, 5th semester and 3rd semester students had their study tour to various industries.

™ All 3rd, 5th and 7th semester catholic students attended the annual retreat arranged at various retreat centers. First semester students attended the retreat in January 2016.

™ Celebrated X'Mas on 12th December, 2015.

™ On 19th December, combined meeting of Trustee, Advisory Board and for Academic Council were conducted.

™ Faculty Development Programme was conducted on 12th December 2015.

™ On 12th December training programme for office and supporting staff was arranged.

™ Staffs went on tour during 21st & 22nd December, 2015.

™ Sahrdaya hoisted GATE 2016 exam during January & February.

™ Karate training class started in the campus.

15.0 Towards Social commitment

Mrs Jisha P, Assistant Professor of BME, conducted a session on "career aspects of Biomedical Engineering" on 17/2/16 as part of the social extension program at govt. vocational higher secondary school, Nandikkara. The session focused on the future prospects and scope in biomedical engineering.

A visit to Jeevodaya Orphanage for senior citizens (men) at Mookanoor, Angamaly was organised as a part of social outreach program. Students of S4, S6 and S8 along with Ms. Reshma (Asst. Professor BM) volunteered to spend time and interact with them.

BIOTECHNOLOGY FOR RURAL DEVELOPMENT- KCSTEC funding of 2 lakhs was sanctioned for Mushroom cultivation. The project coordinators are Dr. Ambili M & Ms. Rehna K. Rathnan.

BIONOVA- 1 day seminar on Scope & Trends in Biotechnology for plus-two school teachers was conducted.

Awareness of Biotechnology for plus-two students of Nirmala Matha School, TCR

BT department in collaboration with Rotary Club of Trichur doing a project named Ashakiran as part of Social commitment.

Social extension activities provided by EEE Department are as follows:

1. Wiring installations free of labour to poor.
2. Dress Bank Scheme.
3. Workshop to nearby schools on Basics of Electrical, measurements and gadgets

EEE Department Visited POPE Paul Mercy Home, Athani spent few hours with the people who were suffering

Workshop on basics of electrical to School students at St Thomas HSS Engandiyur, In July 2015.

Wiring a BPL house at chemmanda free of Labor Cost, under the supervision of a licensee. The materials were provided by the college. (September – December 2015)

16.0 Scholarships and Awards: The diamond ring sponsored by the Sunny Diamonds, Rajaji Road Ernakulum for the best all round student of the year 2014-2015 was awarded to Liya Stanly of S8 EC.

more of Service in Sahrdaya were honored with Silver Ring and Certificates.

Xavier Board regional Board meet held at SAHRDAYA on 1st August, 2015.

South Indian Bank honoured Sahrdaya for achieving Swachh Campus Award.

The meritorious faculty members were awarded with incentives for producing 100% results.

Scholarships and Awards from Bishop Mar James Pazhayattil Silver Jubilee Welfare Fund was given to deserving students based on the recommendations of the Committee constituted for the same.

Dr. George Thottappilly memorial All Kerala Essay writing competition was arranged.

From 2002 onwards till now we have given 2.28 croreto 704 students as scholarship, freeship and fee concession.

During last two years we have given 17 lakhs to 45 students as a KCECMA scholarship for Government Allotted Students.

17.0 Important Academic Achievements:

+ Sahrdaya College of Engineering & Technology has received the NAAC Accreditation for 5 years from 3rd March 2015, in the 5th meeting of Standing Committee.

+ Extended ISO 9001:2008 Certification for 3 more years (Upto 2018).

+ Received the Swachh Campus Award from Calicut University.

+ Submitted application to University for M.Tech Biomedical Engineering

+ Sahrdaya Institute of Management Studies for MBA will be functioning from next academic year onwards.

+ In effective training category Sahrdaya College of Engineering & Technology is being distinguished as 'The Best Engineering College by Higher Education Review'.

+ GATE Coaching

+ Conducted foundation course for Engineering students

+ Conducted Budding Engineer Scholarship Test.

18.0 Infra Structure Facilities:

Sahrdaya is known for Clean & Green campus having all the necessary infrastructure facilities.

+ Two more college buses added

+ 60 Computers & 1 Server Purchased.

+ Two more snacks stalls are opened.

+ Canteen kitchen is modernized.

19.0 Conclusion:

I thank our Chairman, Board of Trustees, Members of Advisory Board and Academic Council, Faculty members, Staff and Students for their cooperation help and Support to the development of Sahrdaya.

Dr. Sudha George Valavi
Principal