



INSTITUTION VISION

- Evolve as a leading technology institute to create high caliber leaders and innovators of global standing with strong ethical values to serve the industry and society.



Chairmans Message

Sahrdaya College of Engineering and Technology has always taken enormous effort to provide quality education to the society. Sahrdaya is cultivating young engineers with apt skills for the fast-growing world with dedicated effort. The college providing the best training in curricular, co-curricular and skill developed programs to make skilled engineers of our country. Sahrdaya has always proved excellence in offering a project-based learning system by different recognitions and it eventually helps in enhanced learning. The project-based learning method is promoting skilled and industry-ready engineers for rapidly changing technology. Sahrdaya has always proved its social commitments through various social activities. I am proud to say that Sahrdaya always contributing to the Nation by creating skilled professionals through its quality education. Here is yet another issue of the college newsletter "Techno Beads". I hope that Sahrdaya would continue its pursuit of etching golden letters in the pages of history.

Mar Pauly Kannookadan

Mar Pauly Kannookadan
Bishop of Irinjalakuda Diocese



INSTITUTION MISSION

- Provide quality technical education that transforms students to be knowledgeable, skill, innovative and entrepreneurial professionals.
- Collaborate with academia and industry around the globe, to strengthen the education and research ecosystem.
- Practice and promote high standards of professional ethics, good discipline, high integrity and social accountability with a passion of holistic excellence.

- ◆ A Session of Yoga in regards with International Yoga Day on 21st June 2019 at our Indoor Stadium as part of International Yoga Day.
- ◆ Inauguration of 18th batch (2019 B-Tech batch) "Sameeksham 2019" was held on 22nd July, 2019.
- ◆ Govt. Ayurveda Hospital, Kodakara was renovated as a part of 5day Punarjani Camp from 23rd to 27th of July 2019, the venture was appreciated at State Level.
- ◆ The Academic year inauguration - 2019 was conducted on 1st August, 2019. The Chairman, Mar Pauly Kannookadan presided over the function and Dr. Abdul Hameed Joint Regional Director, DTE was the chief guest and delivered the inaugural address.
- ◆ The new student's council was inaugurated on 27-Aug-2019.
- ◆ TEDx Sahrdaya CET an International independent Knowledge sharing platform, conducted on 28th September 2019. The speakers were Mr. PH Kurian IAS, Ms. Sheela Kochouseph Chitilapilly, Dr. Anoop, Mr. Robin Tommy, Mr. Raja Krishna Menon.



TEDxSahrdaya CET

- ◆ The KSUM hosted the fourth edition of the IEDC SUMMIT, IEDC Summit-2019, billed Asia's largest event of its kind, for aspirant entrepreneurs. 'Accelerating Ideas to Industry 4.0' was the theme of the event which was organized on October 19th 2019 at Sahrdaya College of Engineering and Technology at Kodakara with more than 4300 participants, 32 speakers and 20 tech companies.



IEDC SUMMIT 2019

- ◆ The Sahrdaya Basketball team participated in APJA KTU E Zone Basketball Men & Women and Chess Tournament organized by Ernad Knowledge City, Manjeri on 21st and 22nd of October 2019 and Women's secured 2nd Runnerup position and Chess team secured 4th Position. Ms. Sherin Alappat Davis of S5 CSE and Christina Koshi V of S1 BTE got selected to University Selection Trials for Basketball Tournament and Mr.

SPECIAL EVENTS & ACHIEVEMENTS

- ◆ As per AICTE & Internshala Ranking Report, as part of Internship Day, Sahrdaya was ranked as "All India Rank 452".
- ◆ First IEEE MSS Lifetime Achievement Award was presented to Dr. Elizabeth Elias.
- ◆ 13th convocation ceremony of 2014-18 B.Tech batch of Sahrdaya College of Engineering and Technology was held on 28th October 2019. The Chief Guest was Dr. K. P. Indira Devi (Director DTE).
- ◆ In GHRDC-CSR Engineering Colleges Survey 2019, July 2019 issue of 'Competition Success Review Magazine', Sahrdaya College was rated "5th position in the category of Top Engineering Colleges in State."



In Loving memory of
Rev. Fr. Dr. Jose D Irimpan
Former Executive Director
(2007-2011)



SAHRDAYA NEWS & VIEWS

Harikrishnan K B of S5 EEE and Mr. Bibin Thomas of S5 CSE got selected to University Selection Trials for Chess Tournament.

- ◆ Sahrdaya was selected one of the Nodal centers to conduct Wipro Elite National Talent Hunt 2020 during 18th, 19th & 20th October 2019.
- ◆ 13th convocation ceremony of 2014-18 B.Tech batch of Sahrdaya College of Engineering and Technology was held on 28th October 2019. The Chief guest was Dr. K. P. Indira Devi (Director DTE).
- ◆ On 24th and 25th July 2019. Seven students from our college attended a workshop on "Python Training" in Prajyothi Nikethan college organized by ICT academy in connection with Kerala startup mission.
- ◆ Hardware club of our college conducted events E-Racer & Logo competition. Prizes were distributed to the winners.
- ◆ Zonal level evaluation of **Young Innovators program (YIP)** by Kerala Development & Innovation strategic council (KDISC) conducted on 6th November 2019 at Sahrdaya Engineering College.
- ◆ **Mr. Jibin Jose IEDC Nodal officer** served as the expert evaluator for the district level evaluation for the young Innovators program (YIP) by Kerala Development & Innovation strategic council (KDISC) conducted on 6th November 2019 at Sahrdaya Engineering College.
- ◆ Central Library in collaboration with EBSCO Information Services & IEEE, arranged a IEEE Xplore Digital Library Training Program for PG Students and research Scholars on 8th Nov. 2019.
- ◆ The Sahrdaya Football team participated in APJA KTU E Zone Football Tournament organized by VAST, Thrissur on 13th of November 2019 and qualified into quarter finals. Mr. Ashiq Moidheen of S5 BME got selected to University Selection Trials.
- ◆ Mr. Najeeb of S7 B.Tech Biotechnology Engineering student developed an organic High protein superfood in the form of Biscuit branded as B'ite and registered his venture as a Private limited company named ZCORP Organic Private Limited. He has presented the product at Kerala Government pavilion at GITEK future stars, world trade center, Dubai.



Kerala Government pavilion at GITEK future stars, world trade center, Dubai.

- ◆ Kerala Startup Mission Sanctioned an amount of 2 lakhs to IEDC Sahrdaya to develop a **Semi Automatic Banana slicer** idea of grassroot innovator under mentorship of prof. Sebin Davis of EEE department. This is the first attempt of KSUM to fund an idea of a grass root innovator and selected our institute.
- ◆ IEI students chapter of CE dept. organised a 'Banner making competition' in connection with the engineer's day celebration.
- ◆ Three Student projects under the Guideship of Dr. Gnana King (ECE), Mrs. Smeera Thomas (BT), Dr. Yuvaraj V (BM) are shortlisted for the competition of AICTE vishwakarma Award 2019.
- ◆ A Blood donation camp was conducted on 17th October 2019 to help the people encountering with accidents and surgeries with sufficient unit of blood with the support of Medical college Thrissur, and to ensure the participation of students in life saving activities.

HR & PLACEMENT CELL

- ◆ **06th July 2019** : The Staff Gathering was held on 06-July 2019 at Naipunnaya Institute, Karukutty. A motivation session was conducted by Mr. Sabu Varghese, Assoc. Prof., Naipunnaya on the topic "Walk with Giants".
- ◆ **05-May-2019 to 18th July 2019** : A series of 20 TEDX talks were arranged for our faculty during the semester break.
- ◆ **14/06/2019 to 16/06/2019** - AICTE organised 3 day Faculty Development Program on "Students Induction Through Universal Human Values" at Ammini College of Engineering, Mankara, Palakkad. Mr. Mathews John of Applied Science and Humanities attended the training.
- ◆ **15-Jun-2019**: Students of 2020 pass out attended Infosys India-wide Hackathon : Introducing HackWithInfy 2019
- ◆ **01-Jun to 07-Jun-2019** : Faculty interviews were conducted for all branch of the study for the academic year 2019-2020.
- ◆ **16-Jun-2019** : TCS Off-campus recruitment was conducted for 2019 pass out students. Ten students got selected.
- ◆ **17-June-2019** : IBIS medicals selected one of our BM 2020 pass out student as intern after conducting the process in our campus.
- ◆ **24-Jun to 29-Jun-2019**: Infosys Campus Connect Faculty Readiness workshop on InfyTQ based FP was conducted at Vidya Academy of Science and Technology. Two of our CS faculty attended the training.
- ◆ **24-Jun-2019** : Three students of BM 2019 pass out got selected in Meditix solutions, Bangalore.
- ◆ **27-Jun-2019** : Ms. Vini Jose, TPO attended a industrial Meet - BRIDGE 2019 held by ASAP in coordination with District Industry Center Thrissur and Local Self Government Department.
- ◆ **01-July to 04-July-2019** : A three days of Induction was conducted for the newly joined faculty.
- ◆ **01-July to 09th July 2019** : Five days of Placement Training for students of 2020 pass out was arranged. It was a TCS Specific training given to only eligible and interested students of all branch of study.
- ◆ **04-July-2019** : Transasia, a biomedical company conducted campus recruitment for the eligible BM 2019 pass out students. One student got selected for the post of Service Engineer.
- ◆ **19-July-2019** : Ms. Vini Jose attended Placement Officers Meet by KPIT to understand about "KPIT Sparkle 2020".
- ◆ **23-July to 02-Aug-2019** : Two weeks of Induction program was conducted for the 2019 batch students with many sessions handled by externals.
- ◆ **17-July-2019** : Mock Tests for students attended placement training of 2020 pass out was conducted by FACE training institute.
- ◆ **03rd & 04th Aug 2019** : TCS campus recruitment was conducted for the 2020 pass out students. 21 students got selected.
- ◆ **07-Aug-2019** : SOTI Students' Day @ Sahrdaya College of Engineering & Technology, a precursor to our placement & internship program for 2019-20.
- ◆ **22-Aug-2019** : Ms. Vini Jose, TPO attended Placement Officer's Conference on latest developments in IT organised by CTIPS, Kerala and Placement Consortium.
- ◆ **27th Sep -2019** : Poornam conducted off-campus recruitment for 2020 pass out EC & CS students. Five students got selected.
- ◆ **30-Aug-2019** : Quest Global conducted campus recruitment for EC, CS & EEE students of 2020 pass out.
- ◆ **17-Sep-2019** : SOTI conducted campus recruitment for EC & CS 2019 Pass out students. Two students got selected.
- ◆ **17-Sep-2019** : SOTI conducted online technical test for CS students for Internship opportunity. One student got selected.



- ◆ **05-Oct-2019** : Aptitude training by trainers of Trin Solutions will be given to all the 2019 batch students on Saturdays.
- ◆ **09-Oct-2019** : As part of Celebrating Gandhi Jayanti, final year two students of computer science participated in debate competition held in St. Josephs College, Irinjalakuda.
- ◆ **09-Oct-2019** : Cognizant Technology Solutions conducted Off-campus for the 2020 pass out students. 4 students got selected.
- ◆ **10-Oct-2019** : Mitosgo conducted a pooled drive in our campus for final year students of all branches.
- ◆ **14-Oct-2019** : IBS conducted campus recruitment for EC & CS students of 2020 pass out. Three students got selected.
- ◆ **17-Oct-2019** : QBURST conducted off-campus recruitment for 2020 pass out EC & CS students. One student got selected.
- ◆ **11-Oct to 13-Oct-2019** : Training & Placement department arranged a technical training on "Coding" for final year interested students for 3 days towards the upcoming placements.
- ◆ **18 Oct to 20 Oct 2019** : Sahrdaya was selected one of the Nodal centers to conduct Wipro Elite National Talent Hunt 2020 during 18th, 19th & 20th October 2019. Our final year EC & CS students participated. Five students got selected.
- ◆ **21-Oct-19** : Dept. of LSGD, Govt. of Kerala to place engineering graduates - 2020 pass out (Computer science and Civil engineering) for internship to the different Grama Panchayats and office of Chief Engineer, Dept of LSGD through ASAP, a project under Dept. of Higher Education, Govt. of Kerala
- ◆ **24-Oct-2019** : Ms. Vini Jose, TPO was one of the judge for HR Event of the Tech Fest "Merraki 2019" conducted by SIMS.
- ◆ **18-Oct-2019** : Students attended a debate competition on "Speak for Kerala" organised by Mathruboomi and Federal Bank. Eight students from college participated.
- ◆ **02-Nov-2019** : Digital Core Technologies conducted off-campus for EC & EEE 2020 pass out students.
- ◆ **05-Nov-2019** : Speridian Technologies conducted off-campus recruitment for 2020 pass out EC & CS students. Five students got selected.
- ◆ **07-Nov-2019** : BM students of 2020 pass out attended Capgemini off-campus recruitment. One student got selected.
- ◆ **08-Nov-2019** : CS and EC final year students attended Experion off-campus recruitment. One student got selected.
- ◆ **11-Nov-2019** : CS of 2020 Pass out students attended the recruitment conducted by Zerone Consulting. Four students got selected.
- ◆ **08-Nov-2019** : Faculty Development Programme at TCS Kochi on Friday, on "Automation in the world of AI, ML and Data Science".
- ◆ **05-Nov-2019** : 2020 pass out of EC & CS attended Speridian Technologies off-campus recruitment. Five students got selected.
- ◆ **08-Nov-2019** : A full day Faculty Development Programme was attended by four of our faculty at TCS Kochi on the Topic: Automation in the world of AI, ML and Data Science
- ◆ **11-Nov-2019** : Every final year student were registered to Internshala for internship opportunity.
- ◆ **14th & 20th November** - Passport Seva Project a initiative by Ministry of External Affairs conducted Student Connect Program, encouraging students to apply for their passports following a process which is simple and convenient. 230 students including staff of our college applied for passport through this initiative.
- ◆ **14 & 15 Nov 2019** : Aptitude Training was given for BM & BT 2010 Pass out students.
- ◆ **14-Nov-2019** : Jaro Education, Bombay conducted the campus recruitment for the 2020 pass out students.
- ◆ **15-Nov-2019** : Students of 2020 pass out CS & EC attended Care Stack Off-campus recruitment. One student got selected.
- ◆ **15-Nov-2019** : Students of 2020 pass out BM & BT have attended Zifo Technologies Campus recruitment.

- ◆ **22-Nov-2019** : Our Computer Science selected students of all batches had a interaction session with CEO of Aaba soft at Sahrdaya Institute of Management Studies as part of "Learn from Experts' Series.
- ◆ **25-Nov-2019** : 2020 pass out female students attended IBM recruitment. One student got selected.
- ◆ **14-Dec-2019** : Five faculty of our college attended National Workshop for Women in Engineering - Beyond Glass Barriers at NIT Calicut.
- ◆ **30-Dec-2019** : One day training is arranged for all faculty and staff on "Accreditations" for our college.

PRIZES SECURED IN PROJECT COMPETITIONS

- ◆ The project of S7 BM students Anju Vinod, Ashiba Basheer, Drisya Das, and Muhammed Fahis has been selected for participation in the Regional Convention of AICTE-Chhatra Vishwakarma Awards for the year 2019 Guided by Dr. Yuvaraj Velusamy.
- ◆ Alen Jose Anto, Eviliene Durom, Govind T., Theres Palatty (2017-2021 Batch BME) won Idea fest 2019 - Fab lab support under XR challenge category.



Idea Fest - 2019

- ◆ The project of S7 BT students Arathi K.P, Aruna P.B., Ann Maria Joshy and Arya M Nair has been shortlisted for the Regional Convention of AICTE-Chhatra Vishwakarma Awards for the year 2019 guided by Ms Smeera Thomas.
- ◆ A Student project of S7 EC Mr. Arun Krishna, Ms. Smera Kurian and Ms. Angel Joshna has been shortlisted for the Regional Convention of AICTE-Chhatra Vishwakarma Awards for the year 2019 guided by Dr. Gnana King.
- ◆ The project of S7 BT students Marzaan M, Maya S., Mijil Martin and Musthaqu T M has been shortlisted and got selected in the Manorama IBS YUVA Mastermind Awards for the year 2019 guided by Ms Dr. Midhila Padmam.
- ◆ Students presented papers and posters in the Undergraduates category in AICTE sponsored conference on Molecular Tools and Disease Diagnosis conducted during 3rd, 4th and 5th October 2019 in SCET.
- ◆ Fini Joby, Aaron D Poruthur of S7 and Sudheesh P.S. of S3 won 1st, 2nd and 3rd positions respectively for Nirmaan Competition conducted by the Institution of Engineers India IE(I) student chapter of Civil Engineering Department on 22/8/2019.
- ◆ Akhila Jolly, Franklin Benny, Nitu Haridas and Roshmy Varghese of S7 participated in Banner Making Competition conducted by the Institution of Engineers India IE(I) student chapter of Civil Engineering Department on 27/9/2019, in connection with 'ENGINEERS DAY' and won 2nd prize.
- ◆ Athulya Philo Joseph of S7 and Divya Davis of S5 participated in a Debate Competition 'The Big Fight 2K19' on 3rd October, 2019 held at Christ College of Engineering hosted by Talkathon Club, CCEIJK and won first prize.
- ◆ Jobel Johny, 3rd year CS student has been selected for 2 months internship at SOTI. He will be given Rs. 25000/- per month as a stipend. His accommodation & travel expense will be taken by SOTI.
- ◆ Prasoon Kottarathil from 2nd year CSE has been recognized as Kaggle Expert in November 2019.

SAHRDAYA NEWS & VIEWS

- ◆ Don C John, AlbinSaj, Don Denny and AkhilDev of S7 CSA had participated in UST Global D3Code Hackathon Conducted by UST Global, TVM.
- ◆ Sonu, Sebastain and Mohammad Fasin of S7 CSB had participated in UST Global D3 Code Hackathon Conducted by UST Global, TVM.
- ◆ Jerin Roy, Athil P A, Adith Jose, Abhishek T S Participated in CODINO as part of the Tech Fest GLITCT'19 in IES College of Engineering, Thrissur.
- ◆ An Internship program on basics of Robotics was organized by Hardware Club, in association with EMAGE on 10 July 2019. 55 students of 2018 admissions from various branches and lab assistants attended the same.
- ◆ 5 students of S5 ECE participated in Expert lecture by Gabe Gabrielle, Former Engineer, NASA, on 10th of Oct 2019 at Christ College, Irinjalakuda.
- ◆ Geo Joy and Ashik K S of S7 EEE got selected to University Badminton team.
- ◆ Abhay Ramesh and Ananya Menon of S3 EEE passed in NPTEL course on "Introduction to C Programming."

TECHNICAL ASSOCIATIONS

EBSA (BME ASSOCIATION)

- ◆ Department of Biomedical Engineering is collaborating on the following academic projects with Jubilee Mission Medical College&Research Institute, Thrissur.
 - ▶ Improved varicose vein treatment system guided by Dr. Finto Raphael & Ms. Remya George.
 - ▶ Podiatric Assistant guided by Dr. Yuvaraj Velusamy.
 - ▶ The Automated Dialyser Filter Cleaning System guided by Dr. Yuvaraj Velusamy & Ms. Ann Soniya
 - ▶ Walker's suit guided by Mr. Jibin Jose.
 - ▶ Sensitivity Analyser for Diabetic Neuropathy guided by Ms. Sony N. S.



AGAPPE Industry Visit by BME Faculty members

- ◆ Faculties visited Agappe Diagnostics Ltd, Agappe Hills, Pattimattom P.O., Kochi as a part of Industry-academia collaboration.
- ◆ Dr. Jeethu Raveendran, Assistant professor, Department of Biomedical Engineering was appreciated under More from less for money (MLM) category in SHRISTI - Gandhian Young Technological Innovation (GYTI) Awards 2019.
- ◆ Department of Biomedical engineering achieved Six ranks in top ten ranks published by KTU for the 2015-2019 Batch.
- ◆ Service Engineer Mr Jinesh from BPL Thrissur explained the electronics inside of a patient monitoring system to 2016-2020 Batch Students on 06-08-19.
- ◆ Ms Annoniya, Assistant professor in the Dept of Biomedical engineering visited NIPMR (National Institute of Physical Medicine and Rehabilitation) for discussing project ideas with the clinicians.
- ◆ Mr.Naveen Prakash. ZONAL MANAGER, TRANSASIA BIOMEDICALS LTD heading Kerala operations. One hour session on career opportunities and invitro diagnosis.



Aswathy B.S.
1st Rank



Ayana A.V.
11th Rank



Linda Iris
5th Rank



Ashi Ashok
7th Rank



Neethu JoseV.
9th Rank



Archan C.A.
10th Rank

- ◆ Invited talk by Mr. David Ignatius, Servicemanager, GE healthcare Kerala And Mr. Santhosh Babu, Territory Manager, GE Healthcare. Mr. Santhosh Babu explained about the basic medical imaging modalities and Mr. David Ignatius interacted with Final Year and Pre Final Year students regarding career opportunities.
- ◆ Students of BME Dept. (2014-2018 Batch) Ms. Jasmine Francis, Ms. Athira Joseph, Ms. Meghna Wilfred and Ms. Jiby Krishna achieved top five University rank in the B.Tech Biomedical Engineering Degree Examination.



Rank Holders University of Calicut (BM 2014-2018 Batch)

- ◆ In association with IIT Madras, EBSA conducted a one day event "SAMPARK" on November 3 2019 at multipurpose indoor stadium, Event included a Mat Lab workshop, machine learning workshop and a quizzing event. More than 150 students from various branches participated.
- ◆ Dr. Jeethu Raveendran, Assistant Professor, Department of BME awarded young scientist-2019 for excellence in research based on the presentation of the [paper entitled "Multiplexed point of care testing for disease management" during National conference on Molecular tools & disease diagnosis, organized by Department of Biotechnology, SCET Kodakara, held over Oct 3-5 2019.

BEATS (BTE ASSOCIATION)

- ◆ Department of Biotechnology Engineering organized a Conference on Molecular Tools and Disease Diagnosis sponsored by AICTE on 3rd, 4th and 5th October 2019 at the College Campus.
- ◆ Department of Biotechnology Engineering is collaborating on the following final year academic project with AGAPPE Diagnostics Pvt Ltd.
- ◆ Cholesterol biosensor project of S7 students Nourin Shakeeb, Rakesh V. R., Sreelakshmi Rajesh, Riya Thomas guided by Ms Ranimol G.
- ◆ Students presented papers and posters in the Undergraduates category in AICTE sponsored conference on Molecular Tools and Disease Diagnosis conducted during 3rd, 4th and 5th October 2019 in SCET.

EMAGE (ECE ASSOCIATION)

- ◆ EC Dept conducted ROBOTICS Workshop for GOVT VHSC GIRLS, IJK 27th September 2019.



Robotic workshop

- ◆ EC Dept conducted ROBOTICS Workshop for SN School, Irinjalakuda 11th October 2019
- ◆ An Internship program on basics of Robotics was organized by Hardware Club, in association with EMAGE on 10 July 2019.
- ◆ A Peer skill training session on arduino programming was given to S3 ECE students on 26th Sept, 2019. Trainers: Richard Joy, Joseph and Astle of S7 ECE.
- ◆ 2017 batch ECE students conducted an Industrial Visit Trip in July 2019.



EDUCATION IS DEDICATION



Alumni Interactions

ACES (CSE ASSOCIATION)

- ◆ Conducted a Technical Quiz competition for CSE students on 5th September 2019 in association with ACES and CSI.
- ◆ Conducted a Poster making Competition by ACES and CSI In connection with Engineer's Day on 18th September 2019
- ◆ Conducted a Technical Talk on Industry Expectation for S5 and S7 CSE Students on 25th September 2019
- ◆ Conducted a Workshop on Advanced Python Programming Work shop for 2018-22 CSE Batch Students on 25th September 2019
- ◆ Conducted a Workshop on Android App Development for Higher Secondary Students by Jobel Johny, Mary Siby and Rachel from 2017-21 Batch CSEB
- ◆ Dept. of Computer Science Conducted a state level inter School Web Page Designing Competition for Higher Secondary Students on 30th November 2019.
- ◆ Conducted a work shop named "TECHNOLOGY IN MODERN ERA" for sslc students on 5th September 2019
- ◆ Conducted a month-long celebration of open source software brought to you by digitalocean and The Practical Dev. ... hack to be fest.
- ◆ Conducted a Work shop on Android App Development Contest Apk1.0
- ◆ Program Real World Workshop - Workshop was for the first year students on IOT & APP Development.



Real world workshop

- ◆ 20 Students of S5 CSA attended a Workshop and Lecture (Tathva'19) at NIT Calicut on 18th - 20th October 2019.
- ◆ Vishnu Chandran, Joyal Thomas, Joseph K Anoj and Vimal from S5 CSEB attended a Workshop in IIT Madras on Android Development on 13th and 14th October.
- ◆ All S5 and S3 female students of CS Dept. attended Two days' Workshop on WING-Women Rise Together on 18 and 19 October 2019 conducted by Start Up India and Dept. for Promotion of Industry and Internal Training.
- ◆ The Students of S5 CSA Completed Machine Learning Workshop in the Regional Rounds of SamPark Conducted by Shaastra On 3rd November 2019 in Chalakudy.
- ◆ The Students of S5 CS Completed Machine Learning Workshop in the Regional Rounds of SamPark Conducted by Shaastra On 3rd November 2019 in Chalakudy.
- ◆ The Students of S5 CS Completed MATLAB Workshop in the Regional Rounds of SamPark Conducted by Shaastra On 3rd November 2019 in Chalakudy.
- ◆ Archana P S Participated in Cyber Forensic and Ethical Hacking By Programmers, on 31st August 2019.



SAHRDAYA NEWS & VIEWS

PAGE (CE ASSOCIATION)

- ◆ Institution of Engineers India (IEI) Student Chapter of Department of Civil Engineering inauguration was held on 22nd August, 2019 by Mr. V. G. Sankaranarayan FIE, IEI Chairman Thrissur local centre.



IEI student chapter inauguration

- ◆ A demonstration class on virtual reality in civil engineering was held on 31/08/2019 from 10am to 12 noon for the seventh semester students (2016 batch) by a team headed by Mr. Vidyaraj, Cadclass, Thrissur.



Class on virtual reality

- ◆ A technical talk on 'Kerala Building Rules' was offered to the third semester students (2018 batch) on 27/09/2019 from 3pm to 5pm. The speaker was Mr. Pradeep, Assistant Town Planner, Thrissur Urban Development Corporation.
- ◆ A technical talk on 'Green Building' was offered to the fifth semester students (2017 batch) on 04/10/2019 from 2pm to 5pm. The speaker was Mr. Sreejith, Architect and Entrepreneur, C Earth Pvt Ltd. Thrissur.

AESON (EEE ASSOCIATION)

- ◆ Department of Electrical and Electronics Engineering had signed an MOU with CADCENTER, Indian Educational Enterprises (P) Ltd, Kodungallur on 30/07/2019.
- ◆ EEE Department in association with KSEB officer's association conducted college level (Level I) competition of power quiz 2019 at Sahrdaya College of Engineering & Technology, Kodakara on 3rd October.
- ◆ EEE Department conducted Led bulb making workshop at St. George HSS Pariyaram as a part of NSS camp on 28/9/2019.
- ◆ EEE Department conducted a Technical talk on the topic, "Lighting Design/ECAD" for S7 EEE students on 02/11/2019 by CADDPRO Training Center.
- ◆ EEE department conducted a Quiz Competition for all students on 23/10/2019 in connection with World Development Information Day at 3 PM in Room No. 107, Decennial block.
- ◆ Geo Joy and Ashik K S of S7 EEE got selected to University Badminton team.
- ◆ Abhay Ramesh and Ananya Menon of S3 EEE passed in NPTEL course on "Introduction to C Programming."

IEDC @ SAHRDAYA

- ◆ On 24th and 25th July 2019 7 students from our college attended a workshop on "Python Training" in Prajyothi Nikethan college organized by ICT academy in connection with Kerala startup mission.
- ◆ A workshop on "Mobile Application development" conducted in Sahrdaya college organized by ICT Academy in connection with Kerala Startup mission on 29th and 30th July 2019 students from other colleges and 9 students from our college had participated.

SAHRDAYA NEWS & VIEWS

- ◆ An Orientation program was conducted to all 1st year students in 2019 batch by IEDC on 24th July 2019.



Orientation program

- ◆ Our interdisciplinary project team marijuana detector secured 1st prize in Samrambhakmithra idea challenge for innovative projects contest conducted at St. Therasa College Ernakulam. The prize consist of 25000 and Muthoot group offered an investment in project.
- ◆ IEDC released a magazine named 'Sahrdaya Technology Review' on August 1st 2018. The Magazine comprises of all the technical activities such as seminars, workshops, Project Grants, Start-ups that happened during the period 2017-2018 in our college.
- ◆ Ms. Teres Davis of S5 CS participated in 'Wings - Women rise together' workshop organized by Startup India, conducted on 18th and 19th October 2019 at Sahrdaya college of Engineering and Technology.
- ◆ Zonal level evaluation of **Young Innovators program (YIP)** by Kerala Development & Innovation strategic council (KDISC) conducted on 6th November 2019 at Sahrdaya Engineering college. Nearly 140 Ideas were presented by students from various schools & colleges. Eighteen project group from different branches of sahrdaya college were also shortlisted. Mr. Jibin Jose IEDC Nodal officer served as the expert evaluator for the district level evaluation for the young Innovators program (YIP).
- ◆ Mr. Saran K B (Dept. of ECE) and Ms. Jasmy Davies (Dept. of CSE) had attended a Design Thinking workshop in connection with Young Innovators Program organized by KDISC and conducted by ICT Academy on 28th and 29th November 2019 at Infopark, Koratty, Thrissur.

RDC @ SAHRDAYA

- ◆ Dr. Rajeswari M. Professor Director was granted guide ship under APJ Abdul Kalam Technological University in 2019.
- ◆ Mr. Vishnu S. Babu registered for the KTU PhD programme under the guidance of Dr. Sateesh Kumar, Assoc Prof., and co-guideship of Dr. Sunder R., Department of Computer Science.
- ◆ Proposals were invited under the Faculty Research Seed Grant 2019 from the faculty of all departments, the presentations was conducted on June 14th, 2019.

IEEE @ SAHRDAYA

- ◆ Google Tensorflow World Extended Kerala was hosted at Sahrdaya on 5th November 2019. Students, Researchers, Kaggle Masters, Explore ML Facilitator from all over south India attended the same.



- ◆ IEEE conducted Power Energy Quiz in Related Energy-saving Importance on October 10th.
- ◆ IEEE conducted Hacktober Fest in connection with DigitalOcean and Github. it was conducted on the whole month of October Open source Projects were made by students.
- ◆ IEEE hosted an Idea pitching contest for the young innovator project 2019 on November 6th, 2019.
- ◆ IEEE celebrated as IEEE Week on October 1st Week.
- ◆ IEEE SCET SB started IEEE Research and Development Cell for the research and projects among the engineering students initiated on October 3.
- ◆ IEEE Sahrdaya conducted Technology In Modern Era for the school students in Infant Jesus Aranattukara School and Govt Hss School Aryampadam it was conducted along two months in August and September.

NSS UNIT @ SAHRDAYA

- ◆ A Clean my village waste management programme was organized on 2nd October 2019 with the help of Apollo tyres to uphold a clean society and environment.
- ◆ A Science popularization camp conducted on 13th to 15th September 2019 to develop scientific knowledge about modern technologies among the neighbourhood.
- ◆ Nilambur post-flood survey was conducted for to measure the impact of flood in the affected areas and to work on the upliftment of those areas on 17th and 18th August 2019.
- ◆ An Orphanage visit was conducted on 1st of august 2019 to invoke empathy in students towards their fellow beings.



A collection point was started on 24th July 2019 for



Assam Flood Relief

SPORTS @ SAHRDAYA

- ◆ The Sahrdaya Badminton team participated in APJAKTU E Zone Shuttle Badminton Tournament organized by NSS Engineering College, Palakad on 17th and 18th of September 2019 and Men's secured 4th position Mr.K S Ashiq and Mr. Geo Joy of S7 EEE got selected to University Selection Trials.
- ◆ The Sahrdaya Tennis team participated in APJAKTU E Zone Table Tennis Men Tournament organized by VAST, Thrissur on 16th October 2019.
- ◆ APJAKTU Inter Zone Basketball Men Tournament organized in Sahrdaya CET, Kodakara on 1st, 2nd and 3rd of November 2019. MBCET, FISAT, MITS and AmalJyothi secured 1st, 2nd, 3rd and 4th Position respectively in the Tournament.
- ◆ Sahrdaya team participated in APJAKTU E Zone Basketball Men & Women and Chess Tournament organized by Ernad Knowledge City, Manjeri on 21st and 22th of October 2019 and Women's secured 2nd Runnerup position and Chess team secured 4th Position. Ms. Sherin Alappat Davis of S5 CSE and Christina Koshi V of S1 BTE got selected to University Selection Trials for Basketball Tournament and Mr. Harikrishnan K B of S5 EEE and Mr Bibin Thomas of S5 CSE got selected to University Selection Trials for Chess Tournament.





EDUCATION IS DEDICATION

- ◆ Sahrdaya team participated in APJAKTU E Zone Football Tournament organized by VAST, Thrissur on 13th of November 2019 and qualified into quarter finals. Mr. AshiqMoidheen of S5 BME got selected to University Selection Trials.
- ◆ The Sahrdaya Basketball team participated in APJAKTU Inter Zone Basketball Women Tournament organized by CET, Trivandrum on 9th and 10th of November 2019.



- ◆ The Sahrdaya Chess team participated in APJAKTU Inter Zone Chess Tournament organized by NSS Engineering College, Palakad on 29th of October 2019.
- ◆ Sahrdaya organized APJAKTU Inter Zone Basketball Men Tournament in Sahrdaya CET, Kodakara on 1st, 2nd and 3rd of November 2019. MBCET, FISAT, MITS and Amal Jyothi secured 1st, 1st Runner up, 2nd Runner up and 4th Position respectively in the Tournament.
- ◆ Sahrdaya team participated in APJAKTU Inter Zone Basketball Women Tournament organized by CET, Trivandrum on 9th and 10th of November 2019.
- ◆ Sahrdaya team participated in APJAKTU Inter Zone Football Tournament organized by TKM College, Kollam on 23rd of November 2019.
- ◆ The Sahrdaya Cricket team participated in APJAKTU E Zone Cricket Tournament organized by GEC, Thrissur on 28th of October 2019 and qualified into Quarter Finals conducted on 3rd and 8th November 2019.

FACULTY EXCELLENCE

- ◆ Dr.Finto Raphel is serving as a reviewer for Elsevier:Computers and Electrical Engineering,Wiley:International Journal of Communication Systems,IEEE Transactions on Circuits and Systems for Video Technology.
- ◆ Dr.Yuvaraj Velusamy appointed as an Indian examiner for evaluating the Ph.D. thesis from SRM Institute of Science and Technology, Chennai.
- ◆ Dr.Yuvaraj Velusamy presented an invited talk on "Applications of VLSI and Embedded Systems in Biomedical Engineering and Nanomedicine" at Jyothis Engineering College, Thrissur, in KTU sponsored Faculty Development Program on 10th July 2019.
- ◆ Dr.Jeethu Ravindran received appreciation award SHRISTI- Gandhian Young Technological Innovation(GYTI)Awards 2019, New Delhi.
- ◆ Mr. Jibin Jose, Asst.prof. Successfully Completed "Mangement Development Program" on New Product Development from IIM Kozhikode.
- ◆ Mr. Jibin Jose, Asst.prof. received Certification on "Innovator Mentoring" from Gandhi Centre for Inclusive Innovation, Imperial College, London.
- ◆ Mr. Jibin Jose, Asst.prof. delivered an invited Talk on "Prospects of Biomedical Engineering" at Government Polytechnic College, Vechuchira on 6th of December, 2019.
- ◆ Dr.DhanyaGangadharan presented a series of lectures at the University of Hull from June 30th to July 4th 2019 as a Faculty of Science and Engineering Visiting Research Fellow.
- ◆ Dr.Dhanya Gangadharan received a grant of Re.35700/- from BRSI, INDIA for hosting Biotechnology Popularization and Skill Development Program of BRSI during 2019-2020 on the topic "Biotechnology: Manipulating Biomolecules to Human Benefit".
- ◆ Dr. Amitha Joy successfully completed NPTEL course on Computer-Aided Drug Design with Elite+ Silver certification.
- ◆ Dr.Midhila Padmam published a Malayalam novel named *Njanumunte Unnikuttanum*. The book was released by Honourable Minister Sri.V.S. Sunilkumar on 30 Nov 2019 during a book release function conducted in Kerala SahithyaAcademy,Thrissur.



SAHRDAYA NEWS & VIEWS

- ◆ Asst. Prof. Sujana R got shortlisted for the IGS-AISAT Award for 'Best M. Tech Thesis in Geotechnical Engineering' conducted by IGS Chapter of AISAT on 10th July, 2019.
- ◆ Asst. Prof. Vasudha V attended National Conference on "Molecular Tools & Disease Diagnosis" organized by the Department of Biotechnology, SCET from October 3rd to 5th, 2019 and got second prize for paper presentation in post graduate level.
- ◆ Asst. Prof. Vasudha V-NPTEL - Waste Water Recycling & Treatment - Elite + Silver Certification.
- ◆ Asst. Prof. Ragi C Ravindran-NPTEL - Psychology of Everyday - Elite + Silver Certification.
- ◆ Jasmy Davies-NPTEL - Introduction to Machine Learning -Elite Certification.
- ◆ Anusree K-NPTEL- Introduction to Machine Learning-Elite Certification.
- ◆ Divya R-NPTEL - Introduction to Machine Learning - Elite +Silver Certification.
- ◆ Jasmy Davies-IIT BombayX - LaTeX for Students, Engineers, and Scientists A+ Certification.
- ◆ Divya R-IIT BombayX - LaTeX for Students, Engineers, and Scientists A+ Certification.
- ◆ Divya R-NPTEL-The Joy of Computing Using Python Elite +Silver Certification.
- ◆ Mr. Vishnu S Babu Joined for full time Ph.D(APJ Abdul Kalam Technological University) under the Supervision of Dr. R. Satheesh Kumar.
- ◆ Ms. Meera Mohan Joined for part time Ph.D (Annamali University) under the guidance of Dr. R. Satheesh Kumar.
- ◆ Dr.Vishnu Rajan is selected as JIFS, IOS Press SCI indexed journal reviewer.
- ◆ Dr.Gnana King won "Faculy Excellence Award of Sahrdaya" during the academic year 2018-2019.
- ◆ Dr.Gnana King is selected as Reviewer in international Journals IEEE Access, Elsevier Journals, Science Alert.
- ◆ Kerala StartUp Mission sanctioned an amount of Rs 2 lakh to develop a semi automatic Banana slicer idea under the mentorship of Mr. Sebin Davis K. (HOD EEE).
- ◆ Dr.R.Sunder filed a patent titled "System And Method For Managing Association And Dis-Association Of Files Amongst Users" on 20/09/2019 (Application Number : 201941033063).
- ◆ Dr.R.Sunder filed a patent titled "Sensitive Information Management System And Method Thereof" (Application Number : 201941019479).
- ◆ Dr.R.Sunder filed a patent titled "System And Method For Detecting Presence OfAn Intruder NearA Neonatal Crib" (Application No: 201941028405).
- ◆ Dr. M. Rajeswari Filed a patent titled "A system and method of biometric identification based on distributed Internet-of-Things lock and unlocking thereof "App Number: 201941028900.
- ◆ Dr. R Satheesh Kumar Filed a patent titled "A System and Method of IoT Based Intelligence Green House Surveying System With Cloud Computing" (App. No: 201941033012).
- ◆ Dr. R Satheesh Kumar Filed a patent titled "AnAutomated IoT Based Agriculture Monitoring System With Plurality of Sensors to detect Parameters related Theroff" (App. No: 2019410449558).
- ◆ Kerala StartUp Mission sanctioned an amount of Rs 2 lakh to develop a semi automatic Banana slicer idea under the mentorship of Mr Sebin Davis K (HOD EEE).
- ◆ Asst. Prof. Vasudha V. attended National Conference on "Molecular Tools &

Disease Diagnosis" organized by the Department of Biotechnology, SCET from October 3rd to 5th, 2019 and got second prize for paper presentation in post graduate level.

PAPER PUBLICATIONS & PRESENTATIONS BY FACULTIES

- ◆ Dr.Amita Joy-Presented a paper in the Young Scientist Award category in AICTE sponsored conference on Molecular Tools and Disease Diagnosis conducted during 3rd, 4th and 5th October 2019 in SCET.
- ◆ Dr.FintoRaphel - Paper titled "A Speed Adaptive Joint Subcarrier and Power Allocation Technique for Downlink OFDMA Video Transmission over Doubly Selective Channels" authored by Dr. Finto Raphel got accepted in IEEE Transactions on Vehicular Technology.
- ◆ Mrs.Remya George has presented a paper "Effects of basic combat police training in cardiac control of autonomic nervous system among women recruits" at the 1st Police Science Congress organized by Kerala Police Academy, Thrissur, on 11th November.
- ◆ Mrs.Remya George has presented a paper "i-Hope: Detection and prediction system for polycystic ovary syndrome using machine learning techniques" in IEEE TENCON 2019 organized by IEEE Kerala Section from 17-20/10/2019 at Kochi.
- ◆ Asst. Prof. Sujana R presented a paper for the International Conference on 'Geotechnics for High Speed Corridors, 2019' organized by IGC Trivandrum Chapter at CET during 25th -26th July, 2019.
- ◆ Dr. R. Satheesh Kumar Evaluated a thesis titled "Prevention of Cyber Attacks using email-spam Detection and Mitigation Protocols in Cyber Space" of Anna University Tamil Nadu.
- ◆ Dr. R. SatheeshKumar Evaluated a thesis titled "Hybrid Edge Detection and Hybrid Probabilistic Neural Network Classifier for Detection and Classification of Brain Tumor" of Prist University Thanjavur, Tamil Nadu.
- ◆ Mr. Krishnadas J. published a paper titled Enhanced data packet organisation using expose path interrelated nodes selection algorithm in WSN in Journal of advanced research in dynamic and control systems in November 2019.
- ◆ Ms.Deepa Devassy published a paper titled Design of Routing Protocols in IoT in IJITEE On September 2019.
- ◆ Dr.M.Rajeswari, Anila Thomas, Shyam Krishna published a paper titled "Dispersal of Traffic Alert Messages without Missing the Reliability for Environment Protection" on 2019 in Ekoloji journal, SCI Indexed.
- ◆ Dr.M.Rajeswari published a paper titled "Disease Prognosis by Machine Learning Over Big Data from Healthcare Communities" in International Journal of Recent Technology and Engineering (IJRTE), Scopus Indexed in November 2019.
- ◆ Dr.M.Rajeswari, Dr. R. Satheesh Kumar published a paper titled "Usage of Energy Efficient Sensor nodes on Wearable Device for Fall and Child Abduction detection" in international Journal of Engineering and Advanced technology Scopus Indexed in October 2019.
- ◆ Dr.M.Rajeswari, Sheethal M S, Deepa Devassy, Priya K V, Divya R published a book chapter titled Security Issues on Internet of Things in Smart Cities in "Handbook of Research on Implementation and Deployment of IoT Projects in Smart Cities"- IGI Global Publication, ISSN:2326-6139, EISSN:2326-6155, Oct 2019, Scopus Indexed- in October 2019.
- ◆ Dr.Vishnu Rajan published a paper titled in DMT Journal of Digital Integrated Circuits in Electrical Devices Volume 4 Issue 2 in July 2019.
- ◆ Ms.Silpa PA published a paper titled "One step synthesis of graphene" in inorganic and nanometal chemistry: Publishers Francis & Taylor, SCI Indexed Journal.

- ◆ Ms.Caren Babu published a book chapter titled Chapter titled "Analysis of various color models for endoscopic images" published in Advances in Computerized Analysis in Clinical and Medical Imaging, CRC Press, 2019 published by Taylor and Francis.
- ◆ An International Conference Paper titled "Design and Modelling of Thermal Energy Harvesting system for Power Transformer" of Mr. Abhijith R Prasad got published in IEEE Xplore.

WORKSHOPS & TRAININGS ATTENDED BY FACULTIES

- ◆ Dr.FintoRaphel attended workshop "Beyond Glass Barriers (BGB '19)" held at NIT Calicut in December 2019.
- ◆ Dr.YuvarajVelusamy attended the workshop on "Machine Learning" conducted by IIT Madras in connection with the outreach program "Sampark 2K19" on 3rd November, 2019 at Sahrdaya College of Engineering and Technology, Kodakara, Thrissur.
- ◆ Dr.Yuvaraj Velusamy attended the workshop on "MATLAB" conducted by IIT Madras in connection with the outreach program "Sampark 2K19" on 3rd November, at Sahrdaya College of Engineering and Technology, Kodakara, Thrissur.
- ◆ Mrs.Reshma Jose has visited Agappe Corporate office and Manufacturing facilities, Reagent Manufacturing plant at Pattimattom and Equipment Manufacturing plant at Kinfra, Nellad on 7th December 2019.
- ◆ Mrs.Reshma Jose has attended a one day conference BIOMED IGNITE 2K19 at Olive Downtown, Kadavanthra, Kochi on 14th December 2019.
- ◆ Mr.Jibin Jose attended a workshop on National Defence Resource Center by National Cyber Safety Standards at Integrated Startup Complex, Technology Innovation Zone, Cochin on 5th of December, 2019.
- ◆ Asst. Prof. Vasudha V attended KTU sponsored FDP on "Emerging Challenges in Sustainable Urban Development" from 10th to 12th July 2019 organized by the Department of Civil Engineering, SCMS School of Engineering & Technology.
- ◆ Asst. Prof. Amrutha K. and Asst. Prof. Ragi C Ravindran attended KTU sponsored FDP on "Repair and Rehabilitation of Structures" from 2nd to 6th December 2019 organized by the Department of Civil Engineering, Jyothi Engineering College, Thrissur.
- ◆ Asst. Prof. Jithin David attended KTU sponsored FDP on "Emerging trends in Sustainable Developments in Transportation Engineering" from 23rd to 27th September 2019 organized by the Department of Civil Engineering, ToCH Institute of Science and technology.
- ◆ Asst. Prof. Remya P M attended International conference on Energy, Environment & safety from 25 to 27 of April 2019 at CUSAT.
- ◆ Anly Antony, Willson Joseph, Anila Thomas attended an FDP on INFORMATION AND NETWORK SECURITY CHALLENGES from 1/07/2019 to 5/07/2019 in SCMS School of Engineering and Technology.
- ◆ Ms.Deepa Devassy, Ms.Livia George, Ms.Priya K V attended Additional Skill Acquisition Programme from 17/09/19 to 20/09/19 in GEC, Barton Hill, TVM.
- ◆ Dr.M.Rajeswari, Ms.Divya R, Mr.Scaria Alex attended an FDP on Automation in the world of AI, ML and Data Science on 08/11/19 in TCS, Kochi.
- ◆ Ms.Jasmy Davis and Ms.Sheethal M S attended a Research Convention in Avinaslingam College, Coimbatore from 15/11/2019 to 16/11/2019.
- ◆ Dr. R. Satheesh Kumar attended an FDP on "Cyber Forensics and Cyber Crime Analysis" from 08/07/2019 to 12/07/2019 in NSS College of Engineering, Palakkad.
- ◆ Ms.Binet Rose Devassy & Ms.Silpa PA attended a KTU sponsored FDP on INDUSTRY 4.0 from 24/07/2019 to 28/07/2019 at AdiSankara College of Engineering & Technology.
- ◆ Mr.Saran K B attended Robotic Process Automation program(ASAP 3rd & 4th October 2019 in GEC, Barton Hill, TVM.
- ◆ Dr.VishnuRajan&Ms.Binet Rose Devassy attended an AICTE sponsored FDP on Wireless Networks & Signal Processing from 4/12/2019 to 17/12/2019 at Jyothi Engineering College, Thrissur.

