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.

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.

Chairmans Message

Sahrdaya College of Engineering and Technology has always taken enormous effort to provide quality education to the society. Sahrdaya College of Engineering and Technology keeps moving forward. We Sahrdayans will not allow a global epidemic to prevent any of us from achieving our goals in the future. Sahrdaya College of Engineering and Technology has always endeavored to provide the greatest curricular, co-curricular, and skill-development programmes in order to develop talented engineers for our country. Sahrdaya has consistently demonstrated proficiency in providing a project-based learning method, which aids in improving learning. Through the project-based learning method, engineers who are skilled and ready for industry are being promoted. Through different social activities, Sahrdaya has always shown its social responsibilities. I am delighted to report that Sahrdaya has always served the nation by producing qualified professionals through its excellent education. Here is yet another issue of the college newsletter, "Techno Beads." I sincerely hope that Sahrdaya will continue to chisel golden letters into the pages of history.

Mar Pauly Kannookadan
Bishop of Irinjalakuda Diocese

◆ Graduation day, Send off, Placement day& College Day celebrations of 2018-22 batch of B.Tech and 2020-22 batch of M.Tech were conducted on 08/07/2022.

◆ Project exhibition for S5, S3,S1 was conducted on 02/03/2020,02/03/2020 &10/03/2020 respectively.

◆ International Women's day celebrated on 08/03/2022.The Theme was "Gender equality today for a sustainable tomorrow".

◆ Venus Campaign organized "SheMeets", a state-level meet for women entrepreneurs and engineering students at Sahrdaya College of Engineering and Technology on 06-03-2022,. The Chair of IEEE Kerala Section Dr.Mini Ulanat inaugurated the campaign.

◆ The college student council for the academic year 2021-22 formed on 07/01/2022 & Inaugurated on 05/04/2022. The elected representatives are shown below.

POST	Elected Representative
Chairperson	GODSON M J (S7 CS)
Vice chairperson	CHRISTINA KOSHY(S5 BT)
General Secretary	RONI SHAJI (S7 BT)
Rep 1 to the University	VOYTIEN JOY(S5 BM)
Rep 2 to the University	CHRISTINA DANIEL(S3 ECE)
Arts secretary	SOORAJ RAJU (S7 EEE)
Joint Arts Secretary	NAIZAL ANSAR (S5 ECE)
Magazine editor	M MANEESHA (S3 BT)
Joint Magazine Editor	ALEEN JOHN (S5 CS)
Sports Secretary	RON DAVIS(S7 CS)
Joint sports secretary	ASWATHI KB (S5 BM)
Girl representative 1	HRISHIKA K (S3 CS)
Girl representative 2	GEONA VARGHESE (S1 ECE)
UG representative	DIYA SADATH(S7 CE)
PG representative	CHRISTY JOY (1BT)

◆ Arts day - " **ECSTASY**" for the academic year 2021-22 conducted on 20th and 21st May 2022.

SPECIAL EVENTS & ACHIEVEMENTS

◆ The Ministry of Education, Government of India ranked Sahrdaya College of Engineering and Technology as PERFORMER under ATAL Ranking of Institutions on Innovation Achievement (ARIIA) - 2021.

◆ IEDC of Sahrdaya College of Engineering and Technology in collaboration with Kerala Start-up Mission's Research Innovation Network Kerala (KSUM- RINK) has showcased the proof of concepts of various technologies developed at our institute with an event named Sahrdaya SCI-FEST as an exhibition on 06/072022.

◆ The 15th convocation ceremony of 2016-20 batch was conducted on 30/04/2022.Dr. Rajasree M S (Vice-Chancellor, KTU) delivered the Convocation Address.

◆ GOLAZO 2022 5's Football Tournament organized in our college during 24th to 26th May, 2022. Third year BM students won the tournament and First year EC students won runner up position.

◆ College conducted an online career orientation programme on 29/04/2022 for Plus Two science students. The session was handled by Dr. Brijesh George (Academician, International Trainer & Career Expert).

◆ Department of Biotechnology Signed an MoU with Zaara Biotech on 29/06/2022.

◆ The Department of Civil Engineering signed a Memorandum of Association (MoA) with KSCSTE-National Transportation Planning and Research Centre, Trivandrum (KSCSTE-NATPAC) on 18/01/2022 for enhancing the project-based learning of students and research activities at Sahrdaya College of Engineering and Technology.

SAHRDAYA NEWS & VIEWS

- The Department of Civil Engineering signed a Memorandum of Understanding (MoU) with CAD Center on 29/04/2022.
- The Dept. of Civil Engineering signed an MoU with Suria Homes on 02/06/2022.
- College signed an MOU with Jobin & Jismi on 12/05/2022.
- Sahrdaya signed an MoU with C-DAC on 09/06/2022, also a hands-on session was organized on the topic "India's Indigenous Microcontroller Board VEGA Processors and Ecosystem".
- A startup 'LINES Design & Consultancy Services' was registered under Sahrdaya TBI on 14/07/2022 by Anix Samuel N, Anu Rose, Athul Thomas and Irene Raju of CE 2018-22 Batch.
- "All About Nothing", Podcast team of Sahrdaya conducted one day Workshop "Toss & Talk" for all the Podcast crew members on 27/06/2022.

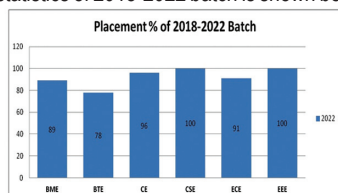## UNIVERSITY RESULTS

S4 University Toppers are as follows:

- BM - DEEPIKA A - SGPA 10
- BT - SREEMA M - SGPA 9.91
- CE - CATHERIN SUNNY - SGPA 9.68
- CS - SIVARAM NARAYAN - SGPA 10
- EC - MARIYA SHAJU - SGPA 10
- EE - LENIN LAWRENCE - SGPA 8.82

S2 University toppers of 2020 batch.

- BM - NICE GEORGE M - 9.93
- BT - VIVINA PUTHUR - 9.81
- CE - SNEHA MARIYA - 9.45
- CS - VIVEK BABU AKKARA - 10
- EC - TINU TITUS - 9.64
- EE - MARIA THOMAS - 6.71

HR & PLACEMENT CELL

- Training & Placement Cell of our college in association with University Employment Information & Guidance Bureau, Mannuthy conducted a Career Guidance Session on the topic " Make yourself Employable in India and Abroad" for the 2019 and 2020 batch students on 27/01/2022.
- The Placement Dept. along with Applied Science & Humanities has arranged a virtual session on 08/03/2022, for First-year students, to understand the Infosys Springboard platform and on the various Campus Connect interventions.
- Training and Placement Cell has arranged a Career Guidance Session about " Overseas Education " by Guidantlink on 05/04/2022.
- The placement statistics of 2018-2022 batch is shown below

Placement % of 2018-2022 Batch

(Bar chart: BME 89, BTE 78, CE 96, CSE 100, ECE 91, EEE 100) — 2022

Placement 2018 - 2022 Batch
SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Kodakara - Thrissur - Kerala - India; Pin - 680684
90%+ Congratulations

PRIZES SECURED IN PROJECT COMPETITIONS

- Project group consisting of Angel Davis, Antony Sebastian, Merry Ann, Milna George of BT Department won the best project Award and won a cash prize of Rs 10,000/- in SCI fest organized in Sahrdaya College of Engineering and Technology,Kodakara.
- One of the project teams from S8 CSE has won 2 prizes in May 2022. The project was on "Gaming Bike" guided by Dr.Satheesh Kumar, HOD CSE. The team members are Melroy Denny, Sreerag T, Paul K Joy &Sooraj Nandan. The project won 1st Prize in Srishti 2022,a National Level competition held at Saintgitscollege,Kottayam. Also won 2nd prize in a Tech fest conducted at Jyothi Engineering college Thrissur. Attracted a cash prize of Rs 2000.
- One of the project teams from S6 CSE has won 2 prizes in June, 2022. The project was on "AIVA Controller (AI, IoT, VR, AR)" guided by Dr.Satheesh Kumar, HOD CSE. The team members are Gokul T Gopinath, Harikrishnan M R, Aswin Ayyappadas, & Benson Davis. The project won First Runner-Up with a cash prize sum of ₹ 30,000/- , at CUBETHON 2022-23- at Ginger hotel kalamassery by Cubet Techno Labs. It also won First Runner-Up with a cash prize sum of ₹ 20,000/- at PINEOTHON at Recca club Kakanad by calpine groups Pvt limited.
- The following Project Groups of Final Year Students have won in Idea Fest 2021 of Kerala Startup Mission.
  - Smart Cervical Collar, guided by Mr. Jibin Jose. Team members are Alex Abraham, RithikaRajith, Adorna Lawrence and Amitha M.P
  - Deep Neural Network Based System For Early Detection Of Sleep Apnea guided by Ms. Sony N.S. Team members are Annu Maria Jose, Sandra Benny, Muhammed Zahir and Jisna K.S.
- A final year project of BME titled "Deep Neural Network Based System For Early Detection Of Sleep Apnea" by Annu Maria Jose, Sandra Benny, Muhammed Zahir and Jisna K.S guided by Ms. Sony N.S won the runner up award for MATLAB project in Project competition SRISHTI conducted by Saintgits College of Engg.
- A Project titled "Mirror therapy based hand rehabilitation" from the final year BME got first prize in the National Project Competition conducted by The National Institute of Engineering, Mysore and Institution of Electronics and Telecommunication Engineers (IETE). Group Members: Clinto Martin, Greeshma Saira Eapen, Greeshma K M, Jumy Jaimy, Guided by Dr.Finto Raphel, Jibin Jose and Dr. Verghese Thomas (Adjunct Faculty, BME dept).
- A team S8 BME won third prize worth Rs. 5000/- in SRISHTI 2022, Project competition conducted at Jyothi College of Engineering and Technology, Thrissur for the project titled Adaptive Noise Suppression Device. Team members are Alfin Joseph, Amarnath P S, Minsha Zakkariya and Angel Rose Chakiathand guided by Dr.Yuvaraj Velusamy.
- Two projects from Biomedical Engineering won first and second prize at Summer Startup Festival Project Expo at GEC Thrissur .
  - First Prize - Adaptive Noise Suppression Device Guided by Dr. Yuvaraj V. Team members: Alfin Joseph, Amarnath P S, Angel Rose Chakkiath, MinshaZakkariya
  - Second Prize- Mirror therapy based Hand Rehabilitation Guided by Dr.FintoRaphel, Mr. Jibin Jose and Dr. Varghese Ouseph. Team Members are Clinto Martin, Greeshma Saira Eapen, Greeshma K M and Jumy Jaimy
- The following teams from BME department participated and won prizes at the project competition TECHATHON 2K22 conducted at FISAT on 18/5/2022.
  - The project named "Mirror Therapy based hand Rehabilitation" won First prize award in the general category as well as the Best project award. The project was guided by Dr. FintoRaphel, Jibin Jose and Dr. Varghese Thomas. Team members were Clinto Martin, Greeshma K M, Greeshma Saira Eapen and JumyJaimy of final year BME.
  - Project named "Adaptive Noise Suppression Device" won second prize. The project was guided by Dr. Yuvaraj V and the team members were Alfin Joseph, Amarnath P S, Angel Rose and Minsha M of final year BME.
  - Second prize was shared by Another project named "3D printed Autosteth" guided by Dr. Remya George and Dr. FintoRaphel with team members consisting of MariyaMathan, Jiffin Joseph, Greshma Varghese, SouravVinaykumar from final year BME.

- The final year BME project "Adaptive Noise Suppression Device" guided by Dr. Yuvaraj V consisting of members Alfin Joseph, Amarnath PS, Angel Rose andMinsha M Z won second prize and the project titled Mirror Therapy based hand Rehabilitation guided by Dr. FintoRaphel consisting of members Clinto Martin, Greeshma KM, GreeshmaSairaEapen and JumyJaimy won third prize at SCI-FEST project exhibition conducted by Sahrdaya college of Engineering and Technology in collaboration with Kerala Startup Mission's Research Innovation Network Kerala (KSUM- RINK).

- Ms. RithikaRajith of Biomedical Engineering Department was the recipient of the Prestigious "Diamond Ring" award instituted by Sunny Diamonds for the best outgoing student of Sahrdaya College of Engineering and Technology for the year 2021-22.

STUDENT PROJECT GRANTS

- Two projects from BTE department guided by Dr.LeonIttiachen selected for Young Innovators Program(YIP 2020) and received a total grant of Rs.8 lakhs.
  - Idea : Development of an ethnobotanical bio preservative - Ideator's : Sangeetha Gopal, Sumi Maria Babu
  - Idea : NANOSEAL PACKS Seal with silver…Seal for future.. - Ideator's :Sumi Maria Babu,Sangeetha Gopal.
- A ECE Project named iKet: An IoT based automated basket - Guided by Dr. Arun Thomas and project group consists of 2018-2022 batch ECE students Mr. Enson Christo, Ms. Agnet Soman., Ms.Alisha Jose, Ms. Anns Philo Anto A received MSME grant worth 4.25 lakh.
- The following 4 project groups from ECE department have secured KSUM IDEA GRANT amount upto 2 lakhs.
  - Protectia- Guided by Dr. Vishnu Rajan, project group consists of 2018-2022 batch ECE students Mr. Adlee Xavier, Ms. Akshara M.M., Ms.LakshmiM.Nair, Ms. Alisha John K.
  - Navitrolly: AI based smart navigating trolley - Guided by Dr. Vishnu Rajan, project group consists of 2018-2022 batch ECE students Mr. Adlee Xavier, Ms. Akshara M.M., Ms.Lakshmi M.Nair, Ms. Alisha John K.
  - iKet: An IoT based automated basket - Guided by Dr. Arun Thomas, project group consists of 2018-2022 batch ECE students Mr. Enson Christo, Ms.AgnetSoman., Ms.Alisha Jose, Ms. Anns Philo Anto. A.
  - MadhumehaSakhi: Non invasive smart diabetic assist based on breath analysis- Guided by Ms. Vidyamol K, project group consists of 2018-2022 batch ECE students Mr.Anish Varghese, Ms. AlfiFrancis, Ms. Palathingal Femi Joju.\

INTER - COLLEGE PARTICIPATION

- Project group consisting of Anjitha Jayesh, Aparna R Daniel, Deekshitha R,Nameera of BT Department Presented Paper in Bio Sangam 2022.
- Angel Davis, Antony Sebastian, Merry Ann,Milna George of eighth semester Biotechnology presented paper in ICHEM'22 organized by Hindustan Institute of Technology and Science.
- A project group consisitingofAlbin Antony Byju,AnnaRose,Krishna and RaisaLalof BT Department Presented Paper in ICRTB '22.
- Adwide Vijay Narayanan ,Amy Elizabeth ,Catherine B, Jestin Jimmy of eighth semester Biotechnology presented paper in ICRTB '22.
- Project group consisting of AnaghaRajendran,Irene Susan and Juna Varghese of BT Department ,shortlisted for IdeaFest,Kerala Startup mission.
- Two project groups from final year BT Participated in Sristi project competition ,2022.
- Sooraj Raju, Akshaykrishna P R & V G Anooja of S8 EEE participated in SRISHTI 2022, a National Level project competition held at Saintgits college, Kottayam.

- Nelwin Joseph Nelson, Alkesh Nereparamban & Bennat Benny of S8EEE has participated in the Elecktro-Teq Project Expo competition organized by EEE Dept at Christ College of Engineering, Irinjalakuda.
- Nelwin Joseph Nelson, Alkesh Nereparamban & Bennat Benny of S8EEE has participated in Project Exhibition & Competition organized by Electronics & Instrumentation Department at Federal Institute of Science &Technology, Angamaly.
- One of our project teams from S8 CSE has won 2 prizes in May, 2022. The project was on "Gaming Bike" guided by Dr.Satheesh Kumar, HOD CSE. The team members are Melroy Denny, Sreerag T, Paul K Joy & Sooraj Nandan. The project won 1st Prize in Srishti 2022,a National Level competition held at Saintgitscollege,Kottayam. Also won 2nd prize in a Tech fest conducted at Jyothi Engineering college Thrissur. Attracted a cash prize of Rs 2000.

TECHNICAL ASSOCIATIONS

EBSA (BME ASSOCIATION)

- The blessing of the new lab "Biomedical Workshop" and inauguration of the books donated by BM Alumni (2011-2015 batch and 2012-2016 batch) to the Department Library was conducted on 11/04/2022.
- A five day internship program was offered by Biomedical Engineering Department to the students of K.KARUNAKARAN MEMORIAL MODEL POLYTECHNIC COLLEGE, Mala from 23rd to 27th May 2022.
- A demo session on analysers was conducted by the company RIGEL on 9/3/2022.
- MODROBS AICTE 2021 (MODERNISATION AND REMOVAL OF OBSOLESCENCE) scheme applied in the name of Dr. Finto Raphael Associate Professor &HoD BM and Ms. Sony N S, Assistant Professor BM is sanctioned to the Biomedical Engineering Department of SCET to modernize and remove obsolescence and thereby enhance the functional efficiency of the Biomedical Clinical Instrumentation Laboratory.
- Faculty and students from the department of Biomedical Engineering represented the dept. and Sahrdaya at the Health Tech Summit of Government of Kerala.
- An alumni interaction by Mr. Leeson Varghese of 2014-18 Biomedical Engg.Batch currently working as Biomedical Engineer at Dubai was conducted on 25/1/2022.
- An online talk on the topic "Analytical and Diagnostic Equipments" was conducted on 18/2/2022 by the Industrial Expert Dr. Peter Varkey, Sr.Manager, QA at Agappe Diagnostics Ltd, Ernakulam, Kerala.
- Mr. Dipu K Boss (Biomedical Engineering alumnus of Sahrdaya), Business Head, Indian Subcontinent, Philips, donated an Automatic External Defibrillator (Cost 130000¹) to the Department of Biomedical Engineering, Sahrdaya College of Engineering and Technology, Kodakara.
- Women's day program was conducted by the Women's cell of Sahrdaya College of Engineering and Technology in which the students of EBSA performed a mime on the topic "Gender Equality Today for a Sustainable Tomorrow"on 8/3/2022.
- Dept of BME in association with EBSA is organized an Expert talk on the topic "How to Build your Career in Biomedical Engineering" on 10th March 2022 by Mr. Ayyappadas, Chief Training Officer and Mr. Harish Krishna, HR Manager, Harvey Biomedical systems, Bangalore on 10/03/2022.
- The Biannual department newsletter SILIENCE- Vol 8, Issue 2 was released on 22/3/2022 by Executive Director Rv. Fr. George Pareman.
- Mr. Jibin Jose, Assistant Professor in the Department of Biomedical Engineering conducted a talk on "Leadership Skills for Teachers" on 25/3/2022.
- The faculty from the department of Biomedical Engineering visited the Rehab Tech Expo 2022, organized by Foundation for International Rehabilitation

SAHRDAYA NEWS & VIEWS

Research and Empowerment being conducted at Wedding village, Opp Hyatt Residency, Thrissur on 2nd April 2022.

- The send off ceremony for final year students was conducted on 27/5/2022.
- The dept. of Biomedical Engineering conducted a two day Interactive seminar cum Hands on workshop on-"Electronic product building" by Antu Dominic chief technical officer,Truetek world, Angamaly on 3rd and 4th of June 2022.
- The students from third year BME attended the KIMS National Biomedical Conference and visited the Testing and Caallibration lab facility of KIMS, Trivandrum on 13th of June 2022.

BEATS (BTE ASSOCIATION)

- Department of Biotechnology organized Dr. George Thottapilly Memorial Lecture on 10/06/2022 and the session was handled by Dr. Radhika Nair, Scientist, RGCB,Trivandrum. Topic "Living with the Sword of Damocles- Giving hope to people living with metastatic disease".
- Organized a technical talk on 'Intellectual property rights : An engineer's primer to the new economy by Dr.LeonIttiachen on 28/4/22.
- Department of Biotechnology in association with BEATS organized an expert talk on 19/02/2022 in the Topic 'Wastewater Treatment in Microbial Fuel Cell'. The session was handled by Dr K Haribabu, Assistant Professor, NIT Calicut.
- BEATS association organized an Essay Writing Competition on 02/03/2022 in the topic 'Interdisciplinary Approach - A solution for Global Warming?
- Organized an interdepartmental Idea Presentation Competition on 22/03/2022.
- A training session on LaTeX was arranged for S8 BT students.The session was handled by Mr.ShyamKrishna,Faculty from CS department.
- BEATS association won the overall trophy in the Arts Fest 2022.
- Organized a technical Quiz Competition 'La Technologie' on 11/05/2022.
- Department of Biotechnology in association with women grievance cell arranged a talk on cancer awareness and the session was handled by Dr. Asha Nair, Scientist, RGCB Trivandrum.

EMAGE (ECE ASSOCIATION)

- Faculties of ECE Department visited the Kerala Startup Mission Maker village and Fablab at Kochi on 25/3/2022 to learn about the latest fabrication technology in electronics industry.

- A hands-on training on report making in Latex software was conducted by Dr. Silpa PA and Ms. Ambily Francis for 2019-23 batch students on 13/5/2022.
- As part of the MoU between Sahrdaya and CDAC, a one day hands-on training on "VEGA Processors and Ecosystems-the first indigenous development board by CDAC" was held on 13-05-2022 for 2020-24 batch ECE students and selected students from 2019-23 batch.
- Industrial Interaction on Career Opportunities in Business Intelligence by Ms. Anagha·Valsakumar of Accenture was conducted on 04-01-2022
- 2018-22 Batch ECE students and two faculties visited at ITI Ltd. Palakkad for learning PCB manufacturing technologies on 04-02-2022.
- To equip the students for higher studies after their UG program, an orientation session on GATE-2023 was conducted on 27-06-2022 in association with ONES, Kochi.
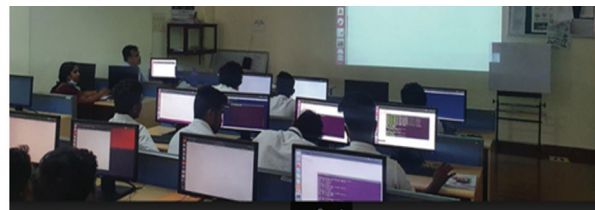
- "Google I/O Extended Thrissur" was conducted in association with Google Developer society, Google Educators and TCS for registered students on 25/6/2022
- To nurture the research skills among students, a session on "How to do a Literature Review" was conducted on 21-06-2022 by Dr. Gnana King for 2019-23 batch students.
- A 5 day long workshop on Latest trends in Electronics and allied branches was conducted for first year students of K. Karunakaran Memorial Model Polytechnic College Mala, Kallettumkara from 9/5/2022 to 13/5/2022. Dr. Vishnu Rajan, Dr. Arun Thomas and Mr. Saran KB of Dept. ECE were handled various sessions on Android App development and Robotics.

ACES (CSE ASSOCIATION)

- Department of CSE conducted online webinar session, "DATA SCIENCE AND MACHINE LEARNING" for the final year CSE 2018-22batch on 19.01.202.
- Organized an online webinar session, "Project Development using Machine Learning" for the Third year CSE 2019-23batch on 27.01.2022.
- Conducted Workshop on "Robotics Process Automation (RPA)" for S8 CSE students (2018-22Batch) on 13.04.2022.Resource Person was Mr. Jithu George, Software Trainer, EY Technologies.

- A Technical TrainingSession was organized for S6 students (2019-23Batch).
- Conducted Workshop on "Python Programming" Polytechnic College (KKMMPTC, Mala) students on 11/05/2022.Resource Persons were Mr. Willson Joseph, Mr.Scaria Alex and Ms. Lakshmi MB, Assistant Professors of CSE.

- Conducted Workshop on "Data Mining Techniques and Tools" S8 CSE students (2018-22Batch) on 24/05/2022.Resource Persons were Ms. Uma ES and Ms. Megha KK, Assistant Professors of CSE.
- Workshop on "LATEX-A Technical Paper Writing tool" " S6 CSE students (2019-23 Batch) conducted on 17/05/2022 & 18/05/2022.Resource Persons: S6 CSA-Mr. Shyam Krishna S6 CSB-Ms. Divya R , Assistant Professors of CSE
- ACES Conducted Workshop on "Art of Writing & Publishing Research Papers" "S6 CSE students (2019-23 Batch) on 18/05/2022 &19/05/2022.Resource Persons: S6 CSA-Ms. Anly Antony S6 CSB-Dr. Krishnadas J, Assistant Professor CSE
- Department of Computer Science and Engineering under Computer Society of India - Student branch has organized a webinar on " New trends in Software Testing " on 8th January 2022.
- Organized a webinar on "Data Science and Machine Learning" for S7 CSE students on 19/01/2022.
- ACES organized an Online webinar session on "Project development using Artificial Intelligence "for S3 CSE students on 28/01/2022.

PACE (CE ASSOCIATION)

- CE 2018-22 Batch students have conducted a traffic survey for 5 road stretches on 09/03/2022 which was a part of the Road Asset Management Survey for NH and SH in Kerala in collaboration with NATPAC.
- CE2018-22 Batch visited the Water treatment plant - Kerala Water Authority Vynthala and Wastewater treatment plant at CIAL Nedumbassery on 22/03/2022.

- CE2020-24 Batch visited Shornur Railway Station, Yard and Malampuzha Dam on 18/06/2022.
- A virtual campus tour of Sahrdaya College of Engineering & Technology, Kodakara was done by Anix Samuel N, S8 CE 2018-22. The video was released by Rev. Fr. George Pareman, Exe. Director, SCET on 08/07/2022 during the Graduation Day Ceremony of 2018-2022 Batch.
- A miniature model of Sahrdaya College of Engineering & Technology, Kodakara which was initiated by CE2018-22 Batch was taken up and completed by S6CE 2019-23 Batch Students. The model was officially inaugurated on 14/07/2022 by Rev. Fr. George Pareman, Exe. Director, SCET.

- CE2019-23 Batch visited Idukki Dam on 30/07/2022
- Three day Workshop in Geographical Information System (GIS) - Hands-on training session in Arc GIS Pro Software was organized by the Department of Civil Engineering from 04/01/2022 to 06/01/2022 for S7CE(2018-22) Batch in collaboration with Centre for Geoinformation Technology (CGIT) and Kerala GIS community.
- A talk on "Introduction to Earthquake Resistant Design" was conducted for S5CE(2019-23) Batch on 04/03/2022. The resource person was Mr. Ciby Jacob Cherian, Assistant professor, SCET
- A talk on "Career opportunities for Civil Engineers in the public sector" on 11/03/2022 for S8CE(2018-22) Batch. The session was handled by Mr. Gokul Ramanan, Civilianz, Thiruvananthapuram.
- Technical talk on "Valuation in Civil Engineering" on 06/04/2022 for S8CE(2018-22) Batch by Mr. Mathews P J, Retired Exe Civil Engineer, BSNL.
- Industry interaction on 13/04/2022 for S8CE(2018-22) Batch and S6CE(2019-23) Batch. Resource person was Mr. Faisal Farooh, Director, Accurant Engineers and Consultants Pvt Ltd.
- 3 Day Workshop on Revit Architecture from 25/05/2022 to 27/05/2022 for S6CE(2019-23) Batch by Mr. Kiran U, Mr. Santhosh S, Revit trainer (s), CADD centre, Palakkad.
- One day Faculty training program on Fusion 360 on 28/05/2022 for Faculty and Lab staff of CE, EEE and ASH. Resource person was Mr. Viju Antony, Trainer, 'BIMIT', Irinjalakuda.
- Industry interaction- Technical talk on Recent Trends and outlook in Civil Engineering by Mr. Baijo Paul, MD Suria Homes on 02/06/2022 for S6CE(2019-23) Batch and S4CE(2020-24) Batch.
- Expert Talk on Introduction to Architectural Model Making by Ms.Treesa Babu, Freelance Architect on 23/06/2022 for S6CE(2019-23) Batch and S4CE(2020-24) Batch.
- Ms.Navya Mohan, B.Tech in Electrical & Electronics & Ms.G Geethika Nair, B.Tech in Biotechnology of the 2018-2022 batch qualified GATE 2022.

AESON (EEE ASOCIATION)

- The Department of EEE in association with AESON and ONES coaching conducted a session on "Opportunities After Engineering through GATE Exam" on 5th February 2022 by Anith T Ajayaghosh, Director, ONES Coaching.

- AESON and IEEE PES conducted a session on "Indian Electricity rules and Electricity Acts" on 8th February 2022 by Prof Mohammed Kasim S, Vice Chairman, IEEE Kerala Section.
- EEE Department has conducted a quiz program for +1 school students on 19th February 2022.
- Conducted a motivational talk for S4 and S2 students on May 5 2022 by Rev Fr. Binoy Nereparambil.
- Department of EEE in association with AESON conducted a 6 day add-on course on Electrical CAD by CAD center Kodungallur on April 20, 21, 22 May 11, 12, 13.
- Organized an Alumni interaction for students of EEE by Elsa P J, Senior hardware engineer VVDN Technologies on 7th May 2022.
- Department of EEE in association with AESON has conducted an invited talk on "Lithium Battery and its application: by Maheswaran L S, Associate Vice President, Hykon India limited on 24th May 2022.
- AESON has conducted a hands on training on "Introduction to PCB design" by Midhun C, Electronics CAD Engineer, Design Alpha on 18th June 2022 for S4 students.

- Conducted a program on Safety for students and Lab staffs by Inspectorate, Kerala.

- Department of EEE organized an Industrial Visit for S6 EEE students on 24/05/2022 to 110KV Kodakara substation, Thrissur district & an Industrial Visit for S4 EEE & S2 EEE students on 26/05/2022 to Peringalkuthu power house, Thrissur district

IEDC @ SAHRDAYA

- IEDC Sahrdaya in association with Kerala Startup Mission conducted a one day bootcamp for the faculty members of engineering colleges and polytechnic institutions on 08/04/2022 at Sahrdaya.
- A total of 45 students and 3 faculties represented our college in IEDC Summit 2022 at St. Joseph College of Engineering and Technology, Pala on 5thMarch. IEDCSahrdaya has been selected as the Top performer (4th position) in IPL Kerala by Kerala start-up Mission (KSUM).

- Seven groups were selected for Kerala Start-up Mission (KSUM) - Idea Grant 2021. The details are given below:

SAHRDAYA NEWS & VIEWS

Idea/Team/Company Name	Team Lead Name	Amount sanctioned	Amount released in first tranche (50% of the sanctioned amount if it is more than Rs. 50,000/-)	2nd Amount to be released in the 2nd Tranche after Idea Stage Verification	Category	Sector	Institution Name
Smart Cervical Collar	Jibin Jose	40,000	40,000	-	Innovation Grant	Healthcare	Sahrdaya College Of Engineering And Technology
Aesira	Alby Dixon	40,000	40,000	-	IPL	Healthcare	Sahrdaya College of Engineering and Technology
Navitrolly – Ai Based Smart Navigating Trolley	Adlee Xavier	50,000	50,000	-	Innovation Grant	Robotics	Sahrdaya College Of Engineering And Technology Kodakara
Protectia	Alsha John K	50,000	50,000	-	Innovation Grant	Social	Sahrdaya College Of Engineering And Technology Kodakara
Deep Neural Network Based System For Early Detection Of Sleep Apnea	Sony N.S	100,000	50,000	50,000	Innovation Grant	Education	Sahrdaya College Of Engineering And Technology Kodakara
Madhumeha Sakhi-Non Invasive Smart Diabetic Assist Based On Breath Analysis	Alfi Francis	50,000	50,000	-	Innovation Grant	Healthcare	Sahrdaya College Of Engineering And Technology Kodakara
Iket : An Iot Based Automated Basket	Alsha Jose	100,000	50,000	50,000	Innovation Grant	Retail	Sahrdaya College Of Engineering And Technology, Kodakara, Thrissur

- Mr. Jibin Jose, Nodal officer and Coordinator of IEDC has delivered a session on "Innovations development through academic projects" at Govt Polytechnic college Perinthalmanna in connection with i3 camp organized by IEDC in support of KSUM on 19th February 2022

- IEDC Sahrdaya has Come with Evening Cafe startedon 16th June, 2022.

- Mr.Jibin Jose, Nodal officer and Coordinator of IEDC has attended a duly as a participant in 4-day management development program organized by KSUM with the IIM-K from 21 to 24th March 2022 and he invited for the inaugural function of the school innovation cell at Bharathiyavidyabhavan'svidyamandhir, Irijanalakuda on 15th June 2022.

NSS @ SAHRDAYA

- Elwin Jose of S6 CSA, NSS 2020 - 22 Batch have received a State Level, NSS Volunteer Secretary Camp Certificate 2022 and a Meritorious Certificate for his Services as a STATE LEVEL NSS Volunteer Co-ordinator 2021.

- NSS Unit No. 589 of Sahrdaya College of Engineering and technology, Kodakara conducted a webinar on the topic "National Resource Protection Force" on 3rd February 2022. The prime speaker of the day was Miss AKHILA M, (NRPF Thrissur-Palakkad regional student coordinator) and VINAY MV (NRPF Thrissur-Palakkad coordinator)

- Conducted Environmental Bi Weekly program starting from 22nd May 2022 (International Day for Biological Diversity) to 5th June 2022 (World Environment Day).

- An orientation program for the batch 2021-23 conducted on 14th May 2022. The prime speaker of the day was Mr. V.K. SREEDHARAN, (Secretary, Inspire India).

- Conducted a "FLASH MOB" in accordance with World Anti-Tobacco Day Awareness on 31st May 2022 in Kodakara Junction. SI C K Babu (Sub Inspector, Kodakara Janamaithri Police) was the guest of honour for the day.

- NSS Unit No. 589 of Sahrdaya College of Engineering and technology, Kodakara conducted International Yoga Day on 21st June. The session was conducted by VIJAY Sir, NSS Program Officer, SCET, Kodakara, with the help of APARNA VENUGOPAL (NSS Volunteer) who demonstrated all the yoga postures.

- Organized a Blood Donation Campaign led by RudhiraSena in collaboration with IMA Blood Bank, Thrissur on 29th June 2022 in the Sahrdaya Indoor Stadium. There were 46 people including students and teachers who volunteered to donate blood.

- Conducted the "Clean Energy Challenge" in association with Kerala State Energy department and Energy Management Centre on 18th July 2022.

IEEE @ SAHRDAYA

- Execom 2022 is formed under the leadership of Mr.RidhunVarghese (IEEE student branch chairman). The AGM conducted on the 4th of June 2022. Three IEEE new societies will be inaugurated during this AGM - IEEE Education Society, IEEE Signal Processing Society, IEEE Control System Society.

- Swetha Manoj of S8 BM won first position and Nimitha Narayan of S4 CSE won 2nd position for the Best Campus Ambassador Award in All Kerala Industrial Application Society Conclave organised by IEEE at RIT Kottayam.

LIBRARY

- The rennovated Digital library, systems donated by the SCET Alumini Association, was inagurated by the Executive Director Rev. Fr. George Paremen on 17-3-22.

- Central library Conducted a Quiz Competition and Treasure hunt on Apr 29th 2022, in connection with World book Day 2022

- In connection with the National Reading Day (June 19), Central Library conducted an Idea Contest and J3M competitions for the students on 17th June, 2022.

FACULTY EXCELLENCE

➢ **BM**

- Dr. Yuvaraj V has been selected as Students Activity chair in IEEE Kochi subsection.

- Dr. Yuvaraj V, Associate professor from the Department of Biomedical Engineering delivered a talk on "Roadmap to Futuristic Healthcare Technology- Biomimetics and Research Perspectives"conducted by the department of Biomedical Engineering of Karpagam University of Higher Education on 20/1/2022.

- Dr. Remya George, Ms. Sony N.S, Mr. Jibin Jose, Mr. Jis Paul and Mrs. Reshma Jose were the evaluators for the Young Innovators Programme 2020 under the idea theme- Assistive Technologies conducted by K-DISC.

- Dr. Yuvaraj V was the speaker for the webinar on "Benefits and Opportunities of IEEE" conducted by Mangalam College of Engineering on 29/1/2022.

- A team from Biomedical Engineering Department consisting of Mrs. Reshma Jose,

Assistant Professor in the Department of Biomedical Engineering and a group of Final year Biomedical Engineering students (Mr. Antony, Ms. Jumy, Ms. Angel, Ms. Jasmine, Mr. Clinto and Ms. Rinta) were the finalists for Augmentative and Alternative Communication (AAC) Device Development Project for the prototype developed by them in collaboration with the National Institute of Speech and Hearing (NISH) and APJ Abdul Kalam Technological University.

- Mr. Jibin Jose delivered a talk for the Resilience Roundtable on "Green Entrepreneurship Opportunities and Challenges in Kerala" conducted on February 1st 2022 by Kerala Startup Mission.

- Dr. Remya George and Mr. Jibin Jose delivered a session on "Innovation Development through Academic Project work" at Govt. Polytechnic College, Perinthalmanna in connection with i3 camp organized by IEDC with the support of Kerala StartUp Mission.

- Mr. Jibin Jose has been selected for a Four Day Management Development Progr-amme (MDP) organized by KSUM in association with IIM -K from 21st to 24th March 2022.

- Mr. Jibin Jose and Dr. Yuvaraj V from the department of Biomedical Engineering attended "Research Innovation Network Kerala (RINK)-Research Translation & Commercialisation" organized by Kerala Start up Mission & Innovation and Entre-preneurship Development Center, Sahrdaya College of Engineering and Technology on 8th April 2022.

- Mr. Jibin Jose, Assistant Professor in the department of Biomedical Engineering has been selected as one of the panel of members to the monitoring committee to the university Start up cell.

- As part of AAC Device Development Challenge organized by CATI-NISH and APJ AKTU, the faculty advisor, Ms. Reshma Jose was invited for the prize awarding ceremony by Honorable Minister for Higher Education Mrs. Bindu on 25th July 2022 at NISH Campus..

- Mr. Jibin Jose, faculty of Biomedical Department was one of the resource persons for a webinar on "Innovation and Product Development" organized by Department of Biomedical Engineering on August 26th 2022.

➢ **BT**

- KSCSTE has approved the project proposal submitted by Dr. Ambili Mechoor & Dr. Dhanya, and sanctioned an amount of Rs 3.22 lakhs under its BIRD scheme.

- Dr. Ambili Mechoor delivered a pleanary lecture on 9th March 2022 in St. Mary's college ,Thrissur.

- Dr. LeonIttiachen received NPTEL Faculty Domain - advanced cerification.

- Dr. Amitha Joy conducted a 'Bioinformatics skill development programme' in connection with World Youth skill day on27th July 2022 at Department of Applied Biotechnology, St. Mary's college, Thrissur.

- Dr.LeonIttiachen was the Resource person and Co-ordinator for the KSUM RINK - Research Translation and Commercialization Bootcamp.

- Dr.Midhila Padman published two of her Malayalam literature works, 'Virus' and 'Daivam'.

➢ **CE**

- Dr.Drisya M was the reviewer in the third International Conference on Structural Engineering and Construction Management (SECON'22) held during 01 - 03 June 2022, organized by Department of Civil Engineering, Federal Institute of Science And Technology (FISAT), Ernakulam, Kerala.

➢ **CSE**

- Dr. R. Satheesh Kumar, Professor and Head, Received "**Excellent Faculty Award**" for the academic year 2020-2021 from Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala.

➢ **ECE**

- Dr. Vishnu Rajan Got featured in Google' Android Educators Newsletter -July Edition

- Dr. G R Gnana King Has been empaneled as External Academic Auditor, APJAKTU. 2022

- Dr. Vishnu Rajan have served as a resource person for the event Google IO Extended Thrissur on June 25 2022

- Ms. Ambily Francis has secured topper 5% in NPTEL online certification course "Priniciples of Signals and Systems" with elite silver certificate conducted during January -April 2022.

PAPER PUBLICATIONS & PRESENTATIONS BY FACULTY MEMBERS

ASH

- Dr. Sukhila Krishnan had written a Chapter in Book titled : Elastomer Blends and Composites., Chapter 15-Applications of elastomer blends and composites, Woodhead Publishing is an imprint of Elsevier, 2022 ISBN 9780323858335,18 March 2022

- Dr. Sukhila Krishnan had given an Expert Talk to Short term Course on "Advanced processing & fabrication methods of polymers for various applications" held from 30/3/2020 to 31/3/2022 at CIPET: IPT Bhubaneswar

BM

- Ms. Reshma Jose published a paper titled "Liver cancer detection based on various sustainable segmentation techniques for CT images" in the International Journal of Environmental Technology and Management, 2022, 25(3), pp. 166-179.

BT

- Ms. Ranimol. G published a Book Chapter in the Handbook of nutraceuticals and natural products: Biological, medicinal and nutritional properties and applications, Wiley Online Library,2022

- Ms.Ranimol. G published a paper 'A comparative study of free laccase and laccase immobilized in copper alginate' in Indian Journal of Biochemistry & Biophysics 59:214-23,2022.

CSE

- Dr. R. Satheesh Kumar, Professor and Head,Published a Textbook titled "Handbook of IoT and Big Data", Scientific International Publishing House, 2022 (ISBN No.: 978-93-5625-141-0).

- Dr. R. Satheesh Kumar, Professor and Head, Filed an Indian patent titled "Machine Learning and Deep Learning based Medical Image Segmentation and Feature Extraction Scheme for Practitioners using Multi-Dimensional Clinical Data", 2022 (Application No.: 202241005300).

- Dr. R Satheesh Kumar published a paper titled "HTLV Virus Prediction Using Enhanced Machine Learning Techniques InRStudio" in MuktShabd Journal. (UGCIndexed) 2022

- Ms. Jasmy Davies, and Dr. R Satheesh Kumar published a paper titled "Tuberculosis detection using Convolutional Neural Network" in MuktShabd Journal. (UGCIndexed) 2022.

- Dr. R. Sunder, and Dr. R Satheesh Kumar published a paper titled "Automatic Deep Learning Glaucoma System" in Mukt Shabd Journal. (UGCIndexed) 2022.

- Ms. Anly Antony M, and Dr. R Satheesh Kumar published a paper titled "An Efficient Thyroid Prediction System for a Healthy Society" in MuktShabd Journal. (UGCIndexed) 2022.

SAHṚDAYA NEWS & VIEWS

- Dr. KrishnadasJ, and Dr. R. Satheesh Kumar published a paper titled "ICU Mortality Prediction using Machine Learning" in MuktShabd Journal. (UGCIndexed) 2022.

- R. Satheesh Kumar "A Comparison Study on Machine Learning Approaches for Thyroid Disease Prediction","Virus Prediction using Machine Learning Techniques","A Review on Tuberculosis Identification Using Convolutional Neural Networks", published in the proceedings of IEEE International Conference on Advanced Computing & Communication Systems-(ICACCS-2022), Organized by Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India on 25th & 26th March 2022.

WORKSHOPS & TRAININGS ATTENDED BY FACULTY MEMBERS

ASH

- Dr. Sukhilakrishnan had completed two AICTE based MOOC courses of NITTR a) Student assessment and evaluation b) Creative problem solving, innovation and meaningful R & D

- Ms. Jemcy Antony participated in a national webinar "Role of Quantitative tools in Social Science Research" on 08-03-2022 organized by Department of Mathematics, in association with IQAC, St. Aloysius College,Thrissur.

BM

- Dr. Yuvaraj V attended the participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Nanostructured Materials and Their Applications" from 07/02/2022 to 11/02/2022 at National Institute of Technology Manipur.

- Mrs. Reshma Jose from Biomedical Department successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 28th March, 2022 to 1st April, 2022.

- Mr. Jis Paul, Mr. Jibin Jose, Mrs. Remya George, Dr. Yuvaraj V, Ms. Supriya Mary Sunil and Mrs. Reshma Jose attended two-day Online Faculty Development Programme on "Recent Trends in Bio-signal Acquisition and Research Perspectives in Signal Analysis" during 25-26, March 2022 organized by Department of Instrumentation and Control Engineering, NSS College of Engineering, Palakkad.

BT

- Dr. Amitha Joy participated in the Skill Development Program organized by Cyto Gene Research & Development, Lucknow from 04/03/22 to 06/03/22 & attended a Workshop on Computer Aided Drug Design for SARS-CoV-2 by Centre for Continuing Education, Madras.

CE

- Ms.Aiswarya M S attended AICTE Training & Learning (ATAL) Academy Online FDP on "Recent Advances in Earthquake Engineering" from 06/12/2021 to 10/12/2021 organized by Vidya Academy of Science and Technology & attended a 5 day FDP on "Building Information Modelling" organized by the Department of Civil Engineering, GEC Thrissur from 04/04/2022 to 08/04/2022.

- Dr. Drisya M attended a 5 day FDP on "Advances in highway technology and traffic systems" organized by the Department of Civil Engineering, Ramaiah Institute of Technology Bangalore from 07/02/2022 to 11/02/2022.

CSE

- Ms. Elsa Raju. A, Ms. Sreetha E S, Ms. Megha K K, Ms. Jasmy Davies, - 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 9th May, 2022 to 13th May, 2022.

- Ms.Elsa Raju. AParticipated in one week CSI FDP on ADVANCES IN NATURAL LANGUAGE PROCESSING USING AI organized by the Department of Computer Science & Engineering, Vimal Jyothi Engineering College, Chemperi P.O, Kannur from 14th March 2022 to 18th March 2022.

ECE

- Dr. Vishnu Rajan,Ms. Anju Babu, & Ms. Ambily Francisattended an AICTE sponsored FDP on "Inculcating Universal Human Values in Technical Education" during 28th February, 2022 to 4th March, 2022.

- Dr. Vishnu Rajan has attended an FDP on "Python for Data Science" 31st January 2022 to 30th March 2022 organised by IIT Madras Swayam.

- Mr. Saran K.B. have attended an AICTE FDP on "Inculcating Universal Human Values in Technical Education" during " 14/3/2022-18/4/2022".

- Dr. G. R. Gnana King have attended AICTE Refresher 1 course on "Inculcating Universal Human Values in Technical Education" during "25th April, 2022 to 29th April, 2022", KSUM Bootcamp on " Research Innovation Network(RINK)-Research translation and commercialisation" on 8 April 2022, AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "AI and ML for Intelligent Applications Using Python and MATLAB" during 21/02/2022 to 25/02/2022.

- Ms.Ambily Francis have attended an AICTE - ATAL FDP on "Robust AI - Building through data exploration, preprocessing and representation" during 04/02/2022-08/02/2022 & participated in high-end workshop on "Next generation medical devices: focusing on therapeutics and diagnosis- Series 1" held at National Institute of Technology, Rourkela during 7/2/2022 to 11/2/2022, and also participated in an ATAL FDP "Wearable Devices" during 17/1/2022 to 21/1/2022 at St.Josephs College of Engineering, Pala.

- Ms. Vidyamol K has successfully completed 4 weeks (65 hours) online Lab Workshop on 'FPGA Architecture and Programming using Verilog HDL' jointly organized by Arm Education and NIELIT Calicut during 11th May 2022 to 08th June 2022.

EEE

- Ms. Drisya K Sasi attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Topics in Hardware Security" from 27/12/2021 to 31/12/2021 at Indian Institute of Technology Ropar.

- Dr. V. Vijikala attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Planning and Operation of Smart Grids: Recent Trends and Developments" from 06/12/2021 to 10/12/2021 at TKM College of Engineering, AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Nonlinear Systems: Dynamics and Control" from 13/12/2021 to 17/12/2021 at Government Engineering College&a one day Faculty Training Program on ""Green EnergyTechnologies for Sustainable Development" from 23/05/2022 to 27/05/2022 at conducted by SCMS School of Engineering & Technology.

- Mr. Sebin Davis K, Ms. Ashna Mohan, Mr. Abhijith R. Prasad, Mr. Adarsh S. R. & Ms. Maria Rose K. Jattended a one day Faculty Training Program on "Introduction to FUSION 360" conducted by BIMIT CAD AND BIM TRAINING SERVICES, M/S CORETECH SOLUTION.