



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.

HR & PLACEMENT CELL

- ◆ AmalKrishna K.G. and Abhijith P.D. of S8 BM were placed at Zifo RND Solutions.
- ◆ Lucia Maria Joseph of S8 BM Placed at Medtronic Solutions.
- ◆ Mithun M Pillai placed at Infosys, Vishnu Shaji placed at Agappe Diagnostics, Angitha Melvin, Ann Rose and Shraddha R Nair are placed at Sutherland Global Solutions, Rose Maria George and Varsha J are placed at Infosys Ltd, Gopika C and Shraddha R Nair are placed at CSS Corp., MsJincy MV placed at TATA Consultancy Services Limited (TCSL), Ms. Mariah Thomas Mampilly placed at Capgemini Technology Services India Limited.
- ◆ Six days of aptitude training for students of 2019 batch was arranged on 06-Jan to 10th Jan 2020.
- ◆ Transasia, a biomedical company conducted on-campus placement drive for BM graduates on 18-Jan-2020.
- ◆ JobinandJismi, a software company conducted on-campus placement drive for CS & EC graduates 24-Jan-2020. Four students got selected.
- ◆ Agappe, a biomedical company conducted on-campus placement drive for BM, BT & EC graduates on 28-Jan-2020. Three got selected.
- ◆ Zifo RnD Solutions conducted on-campus placement drive for biomedical and biotechnology graduates on 30-Jan-2020. Four students got selected.
- ◆ Predmac Technologies, a software company conducted off-campus placement drive for CS & EC graduates on 31-Jan-2020.
- ◆ Hexaware Technologies, a software company conducted off-campus placement drive for CS & EC graduates on 10-Feb-2020. Six students got selected.
- ◆ Medtronics, a biomedical company conducted off-campus placement drive on 17-Feb-2020. One student got selected.
- ◆ G10x, a software company conducted off-campus placement drive for CS & EC graduates on 18-Feb-2020. One student got selected.
- ◆ UST Global, a software company conducted off-campus placement drive for CS & EC graduates on 25-Feb-2020. Nine students got selected.
- ◆ 2021 graduates of all branches registered for Infosys certification qualifier round attended the pre-screening exam on 25-Feb-2020.
- ◆ CSS Corp, a software company conducted off-campus placement drive for CS & EC graduates on 26-Feb-2020. One student got selected.
- ◆ A one day practice session on Infosys specific recruitment was conducted by the Training & Placement Officer on 27-Feb-2020.
- ◆ Infosys, a software company conducted off-campus placement drive for 2020 graduates on 28-Feb-2020. Fifteen students got selected.
- ◆ Konnecty Company conducted off-campus placement drive for EC, CS & EEE graduates on 29-Feb-2020. Five students got selected.
- ◆ Sutherland Global services, conducted on-campus placement drive for 2020 graduates on 04-Mar-2020. Fifteen students got selected.
- ◆ Webandcrafts, a software company conducted off-campus placement drive for CS & EC graduates on 06-Mar-2020.

SPECIAL EVENTS & ACHIEVEMENTS

- ◆ SAHRDAYAM 19: A newly built home for Smt. Karthu, Vellatil House Karur, Kodakara costing 5.5 lakhs has been completed. Key was handed over by His Excellency Mar. Poly Kannukkadan in the presence of Kodakara Grama Panchayat President Shri. Prasad and other Executives on 22nd July, 2020.
- ◆ An online automated quiz Centre is started by the combined efforts of all staff members of ECE, hosted at freecourses.sahrdaya.ac.in, already utilized by 15000+ students worldwide.
- ◆ 3 students: Mr. Fabius S Thottappily of ECE 2017-2021 batch, Nicemol of 2018 batch and Nima Cherian of 2015 batch was awarded the Best Academic Performer Award among all colleges of Thrissur district by UIT group international.



SAHRDAYA NEWS & VIEWS

- ◆ InfyTQ certification program was conducted for 2021 graduates on 08-Mar-2020. Around 210 students participated.
- ◆ HackwithInfy 2020, a coding competition was conducted for 2021 graduates on 29-Mar-2020. It is two rounds of contest. Our three students cleared the first round successfully.
- ◆ Online aptitude training was conducted on 10-Apr-2020 to 10-Jun-2020 by Manifold institution for 2021 graduates for nearly two months. It included tests on each area covered.
- ◆ PKJ Technologies, a software company conducted off-campus placement drive for all branch of 2020 graduates on 19-May-2020.

PRIZES SECURED IN PROJECT COMPETITIONS

- ◆ Alisha Babu, Anugraha V I, Megha Vincent and Saincy Maria Jenson of S5 BT guided by Ms. Pooja Das M secured first prize in Srishti 2020 consisting a cash award of Rs. 12,000, they also secured first prize and a cash award of Rs. 5,000 in Shashtra 2020, they got a second prize and a cash award of Rs. 13,000 in Dyuthi 2020, and also third prize and a cash award of Rs. 1000 during Diksha 2020 for their project KEYTHIN- A Keratin based Bioplastic.



- ◆ A Student project of Mr. Arun Krishna, Ms. Smera Kurian, Ms. Angel Joshna under the Guideship of Dr. Gnana King shortlisted for the AICTE Vishwakarma Award 2019.
- ◆ Project presentation at GE Hackathon by the final year project team (Soumya Santhosh, Parvathi Vijayan, Sherin P George, Jerin Thomas) on 27th and 28th of January 2020.



GE HACKATHON

- ◆ Project presentation at trivandrum during technology conclave by final year project team (Mariah Thomas, Edina Prakash, Nithin Thomas, Haroon Imshad) on 29th Jan 2020.
- ◆ Four teams of final year BM presented their project at SRISHTI 20, a national level project competition at saintgits college of engineering and technology on 10th & 11th of February 2020
- ◆ Final year project team (Ali Bin Akbar, Jeslin P.J., Namitha Nair Nandakumar, Anna Sibi) won 3rd prize in a project competition conducted at Mangalam College of Engineering and Technology, Kottayam on 5th february 2020.
- ◆ Two teams from our college selected for Kerala Reboot Hackathon.
 - ▶ Team 1: Lucia Maria Joseph and her team Mentor : Ms. Shilp K P
 - ▶ Team2 : Hinna Jilson and her team Mentors: Ms. Supriya Mary Sunil, Mr. Jibin Jose
- ◆ *Both teams got selected for ideas presented in health care section*



KERALA HACKATHON 2020

- ◆ SRISHTI 2020 a national level technical project competition was organized by SaintgitsCollege. The following teams participated & secured various prizes.
 - ▶ Project team from S8 BM-Jeslin P.J, Anna Siby, Ali Bin Akbar, Namitha Nandakumar bagged thebest project award in the stream Computer Application for the project titled "Communicationaid for cerebral palsy children" guided by Ann Sonia M Michael, Asst. Prof BM.They received acash prize of RS.12000/- & Certificate of Excellence.
 - ▶ Team from S8 BM won two awards, the best Matlab project award and the runner-upaward in Analytical Projects for the project titled "Video Based vital parametersDetection using RPPG". The team members are Deepak Sajan D, Ritty Francis, MidhuSusan Baby, Aiswarya Prakash guided by Ms.Sony NS, Asst Prof BM. They received theCertificate of Excellence and Certificate of Achievement for their projects & also a cashprize of Rs.15000/-
 - ▶ Team from S8 BM-Aquiline Terence George, Akashya T S, Vishnu Shaji, Shalom Fatemahbagged the best project award in the steam Instrumentation for the project titled "ICure" guided by Mr. Jibin Jose. This team received a cash prize of Rs.12000/- & Certificate of Excellence.



- ◆ Project team titled "Patient transfer mechanism in human healthcare sector "(Muhammed Fahis T P, Ashiba Basheer, Anju Vinod and Drisya Das) guided by Dr. Yuvaraj V, presented their project work in AICTE Regional Convention, Delhi.



- ◆ Akashya T S, Aquiline, Shalom Fatemah, Vishnu Shaji from S8 BM under the guidance of Mr. Jibin Jose got shortlisted for BIRAC SPARSH Fellowship under the concept Ageing and Health, participated in the National Level Project Competition Navriti organised by MBCET, Kuttikanam and completed the Patent search of their project named 'I-CURE' and completed the work of patent filing.
- ◆ A Student project of Mr. Arun Krishna, Ms.Smera Kurian, Ms. Angel Joshna under the Guideship of Dr. Gnana King shortlisted for the AICTE vishwakarma Award 2019.
- ◆ 2 students Agnet Soman and Alisha Jose of S4 ECE participated in Kerala startup mission Hackathon on Women and business better through technology.
- ◆ 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."



- ◆ 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)
- ◆ Don C John, Albin Saj, Don Denny and Akhil Dev of S7 CSA had participated in UST Global D3 Code Hackathon Conducted by UST Global, TVM.
- ◆ Sonu, Sebastain and Mohammad Fasin of S7 CSB had participated in UST Global D3Code Hackathon Conducted by UST Global, TVM.

TECHNICAL ASSOCIATIONS

EBSA (BME ASSOCIATION)

- ◆ Two teams from S8 BM, collaborated their project with Agappe diagnostics. 1) Smart phone based blood parameter monitoring system (Cyril V Mathew, Simnasimon, Jinsha Girish) & 2) Biosensor for Clinical Diagnosis of sodium from human sweat (Jincy M.V, Amal Krishna K.G, Athul K, Arsha V Kumar)
- ◆ Ms. Ann soniya conducted a Infosys mock test in the department on 27/2/20
- ◆ Workshop was conducted by Dr. Hari C.V, Asst professor, Rajagiri school of Engineering and Technology on the topic 'Introduction to LATEX, writing papers the right way' on 28/2/2020 at Biomedical Signal Processing Lab, Dept. of BME.
- ◆ A prototype making competition on the topic "Science for Better Life" was conducted on 28th February 2020 and a team from Dept of Biomedical won first prize of Rs.1000.-
- ◆ Keerthi Iyer (2011-2015 Batch) Interacted with Second year students (2018-2022 batch of Biomedical Engineering and shared her work experience and career opportunities.
- ◆ Selected Students from Dept. of BME, ECE and BTE visited Agappe Diagnostics on 06-03-20. They were accompanied by Dr.Yuvaraj V, Associate Professor, Dept of BME



- ◆ On June 12th, an online sendoff was given to the final year students by the 2nd year and third year students in the presence of faculty members and principal.
- ◆ The department of Biomedical Engineering conducted a webinar series on the topic "Post Covid Challenges and Opportunities in Biomedical Engineering", the first of which was organised on 25/6/2020. The speaker for the session was Mr. Binu V, Assistant General Manager, Kirloskar Technologies, Pvt Limited.
- ◆ Additional Skill Acquisition Program (ASAP), government of Kerala in association with Sahrdaya College of Engineering and Technology hoisted the second session of the Webinar series on 9/7/2020. The speaker for the session was Mr. Mohith Manoj, Assistant Manager, R & D, Scanray Technologies, Pvt Limited and moderator was Ms. Reshma Anoop.
- ◆ Additional Skill Acquisition Program (ASAP), government of Kerala in association with Sahrdaya College of Engineering and Technology hoisted the third session of the Webinar series on 16/7/2020. Many eminent persons from Medtronic glorified the session including Madan R Krishnan, Vice President and Managing Director, Titus Arnold, Director, HR, Abhishek Bhargava, Business Head, Cardiac Rhythm and Heart Failure, Vinay Rajan, Regional Clinical Leader. The moderator for the session was Mr. Jibin Jose.

BEATS (BTE ASSOCIATION)

- ◆ An Invited talk by Mr Sunil Thomas, DGM, Product Development, Arjuna Naturals Ltd was conducted for all students in the Department on 18th January 2020.
- ◆ A student interactive session on the topic "Waste Management" by Dr. C.N. Manoj (Pelican Foundation, Alappuzha) on February 2020.
- ◆ A technical talk on "How to use E-resources in the Biotechnology field effectively" by Mr. Nandalal, Senior Training Manager of South India EBSCO Information Series & IEEE on 5th February 2020.



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- ◆ In connection with National Science Day, A prototype making competition was organized on the theme 'Science for a Better Life' on 28th February 2020.
- ◆ Three teams from S7 BT (Nimi James, Neena T.K., Neeraj Ramesh, Najeeb Bin Haneef O, Amal Jose Thomas, Anju P.M., Adasrh Vishnu, Adityah Ganesh, Steffi Seelia Alphonso, Sujitha Unnikrishnan, Varsha J, Varsha P Ramesh) participated in Srishti 2020 hosted at Saintgits Engineering College, Kottayam.
- ◆ A team from S3 BT (Dimple Jose, Geethika, Fidha Aboobacker, Jini K Biju) had participated in Srishti 2020 at Saintgits, Kottayam.
- ◆ 6 students from S6 BT had participated in a workshop on Virtual Reality and Augmented Reality at NIT Calicut on 10th January 2020.
- ◆ Adityah Ganesh, Aakash P, Varsha J had qualified in the GATE Examination 2020.
- ◆ Students of S4 visited Rubber Research Institute of India, Keezhukunnu, Kottayam on 5th March 2020.
- ◆ Anjali P S and Milan Maria Sajeev of S6 BT had attended an International Conclave on Skills (ICSET 2020) at Government Engineering College, Thrissur.

EMAGE (ECE ASSOCIATION)

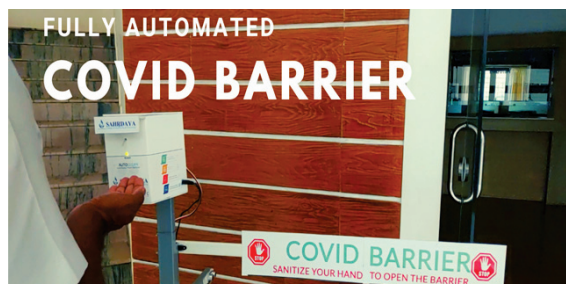
- ◆ A Student project of Mr. Arun Krishna, Ms. Smera Kurian, Ms. Angel Joshna under the Guideship of Dr. Gnana King shortlisted for the AICTE Vishwakarma Award 2019.
- ◆ Mr. Fabius has organized a seminar in Sahrdaya College of Engineering & Technology to create awareness about summer internships among students as per internshala student internship program.
- ◆ 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.
- ◆ 2 students Agnet Soman and Alisha Jose of S4 ECE participated in Kerala startup mission Hackathon on Women and business better through technology.
- ◆ 3 students: Mr. Fabius S Thottappilly of ECE 2017-2021 batch, Nicemol of 2018 batch and Nima Cherian of 2015 batch was awarded the Best Academic Performer Award among all colleges of Thrissur district by UIT group international.
- ◆ Students from 2016 and 2017 batch attended a 5 day workshop on Basics of C programming from Jan 7 to Jan 13, 2020.
- ◆ Webinar on "Career Options and Opportunities for Electronics Graduates" was scheduled on 3rd June 2020 at 11 a.m by EMAGE-Association of ECE department for students from various branches of our college. The session was for 1 and half hrs followed by Q/A lead by Mr. Renjith C.V., Product Designer Philips India, Ltd., Pune. 127 students participated in this webinar.
- ◆ Alumni of 2017 pass out batch Mr. Manuel Johnson interacted, Developer at TATA Elxi interacted with 2016 batch students on 17th Jan 2020. Mr. Manuel secured a reward of 2000 US dollar from facebook for finding out a security breach in Whatsapp. He was also included in 2018 Hall of Fame number 66.
- ◆ Industrial interaction by Mr. Ayyapadas, Hardware Developer at Intel for 2017 batch on 16th Jan 2020.
- ◆ Industrial interaction by Mr. Shidhin, Senior Google Developer working at Namshi, Dubai for 2017 & 2018 batch on 24th Jan 2020.
- ◆ Mr. Anoop Santosh, CTO of Ronds Technology, Cochin interacted with students of 2017 and 2018 batch admissions on the topic Emerging Trends in Industries.
- ◆ Industrial visit to CMET, thrissur as part of national science day on 27th February 2020.
- ◆ An Industial visit to Agappee Diagnostic centre field visit on 6-3-2020 for students in Agappee Training.

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- ◆ Peerskill sharing on Arduino was conducted on 18th Feb 2020 by and for 2017 batch ECE students.
- ◆ Seminar on Road map to Internship powered by internshala was conducted on 6 March 2020 for 2017 and 2018 batch admissions of ECE by Mr. Fabius S Thottapilly of S6 ECE.

Covid Safety Initiatives by ECE Department

- ◆ Sanitizer preparation:
- ◆ Automatic hand sanitizer



- ◆ Mr. Astle John, 2016-2020 batch ECE student was a part of LUMOS, a multipurpose decontamination device by Devaditek Innovations-a startup of Sahrdaya. It can sanitize items like N95 masks and vegetables and help check Covid-19 spread. Lumos, which collaborates with the Collegiate Congress under the United Nation's Master Plan initiative, is also being distributed overseas where the pandemic has hit the hardest. The first lot is getting shipped to Mali, Ecuador, Zimbabwe, Ghana and Haiti, with the support of the Collegiate Congress of the UN Master Plan.



- ◆ Mobile app based control section of this UV sanitization device of IBIS Medical Systems is developed by IEDC Hardware Club leaders Richard Joy and Joseph Joshy (Final Semester ECE students).



- ◆ Automated Mask Detector



- ◆ Foot Pedal Operated Sanitizer Dispenser
- ◆ Terin of S6 ECE developed a touchless IOT based electrical equipment operation system.
- ◆ Astle John & Team from ECE department developed a low cost ventilator

Extension Programme to Schools

- ◆ A workshop on Mobile servicing and Robotics was conducted for plus 2 students from various schools by ECE Dept. on 27th and 28th Dec 2019



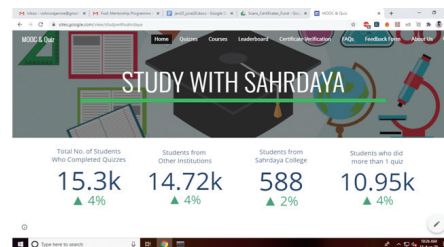
- ◆ A workshop on IOT and Arduino was conducted by ECE students in association with Hardware Club on 25 Jan 2020 for students of Little Kites Matha High school. Team members are Jibin George, Fabius S, Grigary, Serene and Sneha Satish.



- ◆ A workshop on IOT and Arduino was conducted by S6 students in association with Hardware Club on 19 Feb 2020 for students of HSS Valayanchirangara, Perumbavoor. Team members are Grigary, Serene and Sneha Satish and Christo.



- ◆ An online automated quiz Centre is started by the combined efforts of all staff members of ECE, hosted at freecourses. sahrdaya.ac.in, already utilized by 15000+ students worldwide.



ACES (CSE ASSOCIATION)

- ◆ Conducted a Talk on Incubation & Entrepreneurship S8 CSE Students on 17th February 2020 by Incubation Centre IIT Patna. Resource Person: Mr. Joseph Paul Arackalan, Manager, Incubation Centre IIT Patna.
- ◆ Conducted a Workshop on Python & Machine Learning for 2017-21 CSE Batch Students on 11/02/2020 & 12/02/2020. Resource person: Ms. Cigi Sebastine (Senior Consultant), Techno Valley Software India Pvt. Ltd, Kochi).
- ◆ Internal hands on training workshop on Data mining is conducted for S8 CSE students on 27/02/2020 & 28/02/2020. Faculty In charge: Ms. Annrija Paul and Ms. Uma ES / CSE department.



EDUCATION IS DEDICATION



- ◆ Debugging competition is conducted for S6(2017-21 Batch) Students on 04/03/2020
- ◆ Conducted a one day workshop on Network configuration and Programming for the Model Polytechnic College students on 10/03/2020. Resource Person: Mr. Scaria Alex and Mr. Willson Joseph (Assistant Professor, CSE- Dept).
- ◆ National Level e-Conference entitled "Virtual Conference on Innovations in Computing - ABACON20," coordinated by Dr. R. Sathesh Kumar and Mr. Willson Joseph.
- ◆ ACES arranged alumni interaction by Parvathy P G, Quality Analyst in Simpian Technologies & Mr. Mohanachandran, Project Manager in Intellect Design Arena (2007 Passout) on 30/01/2020.
- ◆ ACES arranged alumni interactions by Jisa Varghese, System Engineer in Siemens Services (2016 pass out) on 14/02/2020 & Mr. Anush, Software Developer in LuLu Forex (2019 passout) on 17/02/2020.

PACE (CE ASSOCIATION)

- ◆ All the students of 2017-2021 CE batch are joined in IEI Student Chapter, Department of Civil Engineering, SCET.
- ◆ Department conducted a GIS workshop for S6 students on 17-19th February 2020 by Zeitnah Institute of survey.
- ◆ Many students successfully completed online certification course in various field of Civil Engineering.

AESON (EEE ASSOCIATION)

- ◆ Conducted a workshop on "Piccolo Microcontroller and its applications" for S4 EEE students on 23/01/2020 during 1 pm – 4 pm by MC Technologies.
- ◆ Conducted a 5 day hands-on training on Autocad 2D for S8 EEE students by CADCENTRE Kodungallur.
- ◆ EEE department conducted a Technical Talk on "Electrical Design & Drafting" for S8 EEE students on 18/2/2020 by Mr. Akhilesh Kumar C, Grade A Electrical Supervisor MTTC International LLC, Ernakulam.
- ◆ Delbin K Biju & Harikrishnan K B S6 EEE & Alwin Anto & Shyamkrishna A S of S8 EEE presented a paper on "Power System Resilience Strategies in Kerala Perspective" in the District level Seminar Competition organized by the KSEB Engineers' Association on 19/2/2020.
- ◆ Delbin K Biju of S6 EEE & Melwin Davis of S4 EEE has attended Electrical Engineering & Associated Streams Session as a part of second edition of Professional Students' Summit held at CUSAT, Kalamassery on 15/2/2020.
- ◆ Aveens Varghese & Fresy Mariya Francis of S6 EEE has attended International Conclave on Industrial Revolution 4.0, organized by ICT Academy of Govt. of Kerala at GEC Thrissur on 06/3/2020 & 07/3/2020.
- ◆ Navya Mohan of EEE 2018 - 2022 batch was awarded the Best Academic Performer Award among all colleges of Thrissur district by UIT group International.

CENTRAL LIBRARY @ SAHRDAYA

- ◆ Central library conducted a book exhibition from 23rd to 25th Jan 2020.



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- ◆ Central Library in collaboration with EBSCO Information Services & IEEE, conducted a training program on the effective use of E-resources for the Biotechnology students and faculty members on 5th Feb. 2020 at 11 am.



- ◆ In connection with Vaayanadinam, (READING DAY) Sahrdaya Central Library conducted a Live Webinar on "The Role of Digital Libraries in Online Learning Environment during the Pandemic" (EBSCO Research Databases and IEEE Xplore Digital Library training) by EBSCO Information Services & IEEE on Friday, 19th June 2020 at 2:00 PM.
- ◆ Mr. Joseph Jestin K J (College Librarian) has received an invitation from the International Journal "Studies in Social Science Research Journal", Los Angeles, CA 90071, to join as an editorial board member.
- ◆ Mr. Joseph Jestin K J (College Librarian) has coordinated and actively participated in the Webinar on "The Role of Digital Libraries in Online Learning Environment During the Pandemic" organized by Sahrdaya in association with IEEE and EBSCO Information Services on Friday, 19th June 2020.
- ◆ Ms. Jisha Davis (Assistant Librarian) qualified in the UGC-NET Exam in Library & Information science.
- ◆ Mr. Joseph Jestin K J (College Librarian) attended nine different webinars related to library, database and knowledge resource management during May-June 2020.

RDC @ SAHRDAYA

- ◆ Dr. Rajeswari M, Professor & Head (CSE), Dr. Ambili Mechoor, Professor & Head (BTE), Dr. Dhanya Gangadharan, Associate Prof. (BTE), Dr. Uma Krishnakumar, Asst Prof (BTE) and Dr. Yuvaraj, Assoc Prof (BME) was granted guide ship under APJ Abdul Kalam Technological University in 2019-20.
- ◆ Ms. Marria Cyriac, Asst. Prof. (BTE) registered for the KTU PhD programme (part time) under the guidance of Dr. Leon Ittiachen in June 2019. Ms. Anly Antony, Asst. Prof (CSE) registered for the KTU PhD programme (part time) under the guidance of Dr. Sathesh Kumar, Assoc Prof. (CSE) in July 2020. Ms. Pooja Das Manjulabhai registered for the KTU PhD programme (full time) under the guidance of Dr. Dhanya Gangadharan and co-guidance of Dr. Leon Ittiachen, Department of Biotechnology.
- ◆ Ms. Anju Babu, Asst Prof., (ECE) registered for part time PhD programme at Karunya Institute of Technology & Sciences, Coimbatore in the Dept of Electronics & Communication Engineering on 12/8/2019.

FACULTY RESEARCH SEED GRANT 2019 (FRSG-2)

Proposals were invited under the Faculty Research Seed Grant 2019 from the faculty of all departments, the presentations was conducted on June 14th, 2019. The following teams were selected for seed money from the Institute R&D fund.

- ◆ Dr. Finto Raphael & Ms. Ann Soniya (BM), Ms. Smeera Thomas & Dr. Midhila Padman (BT), Ms. Ranimol G & Dr. Ambili Mechoor (BT), Dr. Amitha Joy (BT) & Mr. Shyam Krishna (CS), Dr. Sukhila Krishna (ASH), Mr. Kiran Philip Isaac (BM).

Patents:

- ◆ Dr. R. Sunder, filed Indian patent titled "Sensitive Information Management System And Method Thereof" Indian Patent 2019 Publication No-201941019479.
- ◆ Dr. R. Sunder, filed Indian patent titled "System And Method For Detecting Presence Of An Intruder Near A Neonatal Crib" Indian Patent 2019., P.No-201941028405,

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and also for the topic "System And Method For Managing Association And Dis-Association Of Files Amongst Users" Indian Patent 2019 Publication No-201941033063

- ◆ Dr.R.Sunder, filed Indian patent titled "Design Development of Fault Diagnosis By Using Fuzzy Neural Networks For Hydroponic Systems Inlot Environment" Indian Patent 2019 Publication No-201941048257.
- ◆ Dr.M.Rajeswarifiled Indian patent titled topic "A System And Method Of Biometric Identification Based On Distributed Internet-Of-Things Lock And Unlocking Thereof" Indian Patent 2019, file No-610Publication No-201941028900.

IEEE @ SAHRDAYA

- ◆ IEEE SB SCET has started 4 new societies- NPS, IES, CS and PES for the enhancement of knowledge and skills among the engineering students of different branches.
- ◆ IEEE SB SCET is the second student branch in Kerala to start NPS Society.
- ◆ IEEE conducted a technical quiz competition as a part of TECHSORTIUM organized by IEEE KERALA section.
- ◆ IEEE SCET conducted a workshop on ETHICKAL HACKING on 22nd February 2020.
- ◆ As a part of lockdown competitions conducted by IEEE Kochi hub, IEEE SCET hosted DIEMCI poster making competition on May 30th 2020.
- ◆ IEEE Kerala section young professionals and IEEE SCET conducted webinar on the topic AR - VR on June 7th 2020 and also on the topic professional PCB Design.
- ◆ WEBISTA - A one week all Kerala webinar series was conducted by IEEE SCET on the topic WEB DEVELOPMENT in the month of June.
- ◆ IEEE SCET conducted a webinar for CE BRANCH on the topic INTRODUCTION TO REVIT ARCHITECTURE on 22nd June 2020.
- ◆ IEEE SCET conducted 2 internship programs for BM, CS, and EC branches on the topics BIOMEDICAL MEDICAL INSTRUMENTAL DESIGN and AI in the month of July.

IEDC @ SAHRDAYA

- ◆ Mr. Manu Joseph 2019 batch student was awarded Young Innovator Award by Kerala Development and Innovation Strategic Council during Kerala innovation day on 16/01/2020 at Trivandrum.



- ◆ Zaara Biotech got an investment from UAE (manufacturing facility is going to start at Sharjah) and the University of Sharjah collaborated for R&D (with masters admission to the students) on 20-02-2020.



- ◆ The students representing IEDC Sahrdaya participated at Kerala Startup Mission Hackathon on Women and Business better through Technology at Reboot Hackathon of Govt of Kerala from 5th to 8th March 2020. We won the third prize the team consisting of biomedical students.
- ◆ IEDC coordinator Mr.Jibin Jose participated in the Kerala innovation day and inauguration of the Medical Technology consortium of K-DISC at Trivandrum on 20-02-2020.

NSS @ SAHRDAYA

- ◆ Disha - The NSS unit of Sahrdaya College conducted a orientation for the newly selected volunteers for the unit 589, on 14th June, 2020.
- ◆ VAAYANADINAM - We the NSS unit of Sahrdaya organised a book reading activity to celebrate 18th of June.
- ◆ YOGA DAY - In connection with the International Yoga Day on 21st of June, the NSS unit of Sahrdaya College of Engineering and Technology, had conducted a online yoga session on 20th June, 2020.
- ◆ The NSS unit of Sahrdaya conducted a orientation class for the NSS volunteers on 22nd June, 2020, headed by the Program Officer, Mr. Vijay C U and was presided by Dr.Shibu. The talk was about the various activities that a NSS volunteer can do in this time of lockdown.
- ◆ WEBINAR ON NOVEL CORONA VIRUS - NSS unit of Sahrdaya conducted a webinar on the topic Novel corona virus, preventive and response measures in current scenario. by Dr.Nivil, NSS program officer and assistant professor of department of anatomy in Vishnu Ayurveda College Shoranur.
- ◆ EXECUTIVE BOARD SELECTION - The NSS unit 589 of Sahrdaya collage of engineering and technology had conducted an online meeting for the 1st year NSS volunteers on 5th of July, 2020.
- ◆ DISTRIBUTION OF ELECTRONIC GADGETS - The NSS unit of Sahrdaya College of Engineering and Technology had distributed smart phone and gadgets to students of A.U.P school, Muriyad on 8th July ,2020.Dr Nixon Kuruvila, Principal- SCET, handed over four(4) televisions and two(2) smartphones collected from NSS volunteers as a helping hand for students who were facing difficulties in attending online classes.



ഓരോ മാറ്റിമരിക്കാൻ നിങ്ങൾക്ക് ഉപയോഗിക്കാവുന്ന ഏറ്റവും ശക്തമായ ആയുധമാണ് വിദ്യാഭ്യാസം!

SPORTS @ SAHRDAYA

- ◆ Second KTU Athletic Meet was held at University stadium Thiruvananthapuram on 5th, 6th and 7th Feb 2020.



- ◆ 200 meters Women (Aba Mary,S4 Civil) : Third position in third heats.Qualified to Semifinals and finished as fifth in the same. There were total 5 heats in the initial round.
- ◆ 100 meters Women(Aba Mary, S4Civil): Second position in fourth heats and qualified to semifinals and finished seventh in the same.A total of 7 heats was there.
- ◆ Students participated in various events are 400m, 200m, 800m, 1500m, 5000m running, long jump, Javelin throw, Shot-put, Discuss throw, Triple jump and performed remarkably.
- ◆ Shot-put girls (Sreelakshmi T J, S6 CSB) Participated in shot-putgirls(6.92 m) and got qualified into best 8 among 76 participants.
- ◆ 4X100m relay girls (Aba mary, Fasna TA, Sanjanamartin, Nimishaellanikkal) Participated in 4*100m relay and got 2nd position in heats.
- ◆ 4X100m relay boys(Ajmal,Milan,Ron and Sharo) Participated in 4*100m relay and got 2nd position in heats.
- ◆ Inter Department matches were started on 27th Feb 2020 and some of the games were conducted before lockdown and will continue later.



FACULTY EXCELLENCE

- ◆ Dr. Ambili Mechoor completed 9 FDPs during Jan 2020-June 2020. It includes 6 FDPs offered by COURSERA, two by NPTEL and one FDP organized by Kristu Jayanthi College, Bangalore on the topic "SARS-CoV-2 Research: Insights from Computational Biology".
- ◆ Dr. Dhanya Gangadharan completed three FDPs offered by COURSERA
- ◆ Dr. Dhanya Gangadharan and Dr. Uma Krishnakuma completed a 5 week FDP course on "Nanotechnology and Nanosensors" organized by Technion-Israel Institute of Technology.
- ◆ Ms. P. Praveena completed two FDPs, offered by COURSERA and MHRD/ SPARC respectively.
- ◆ Ms. Smeera Thomas completed FDP on Biology of Cancer by COURSERA and participated in an international webinar on "Recent trends and challenges in Biotechnology" organized by Bharathiar University during 23/06/2020 to 26/06/20.
- ◆ Ms. Ranimol completed four FDPs offered by COURSERA
- ◆ Ms. Pooja Das M cleared KTU PhD Entrance test with CERD fellowship
- ◆ On 9th Jan 2020 Dr. Leon Ittiachen served as a resource person for a national seminar on IPR-Tools to Protect Inventions and Creations in Biotechnology organized by St. Joseph's College, Irinjalakuda.
- ◆ Ms. Pooja Das M cleared KTU PhD Entrance test with CERD fellowship.
- ◆ Ms. Ragi C Ravindran has successfully completed 'Mastering bitumen for better roads and innovative applications', an online non-credit course authorized by École des Ponts Paris Tech and offered through Coursera, certificate issued on 10th April, 2020.
- ◆ Ms. Remya P M successfully completed an online course on "The science of well-being" authorized by Yale University and offered through Coursera, certificate issued on 19th June 2020.
- ◆ Dr. Yuvaraj V was the speaker for a webinar on Basics and Applications of Nanosensors organized by IEEE student's branch, GEC, Thrissur on 29th of April.
- ◆ Dr. Yuvaraj V delivered a talk on "Society and Health Burden" on 30th June 2020 at a One week Online Faculty Development program on "Emerging Trends in Business and Society" at Kalasilangam Academy of Research and Education, Tamil Nadu.
- ◆ Mr. Jibin Jose was one of the speakers for a webinar on Development of COVID 19 related technologies and dissemination through online platforms on 16th May 2020 organised by Additional Skill Acquisition Program, Higher Education Department, Government of Kerala.
- ◆ US Patent has been granted for the invention titled "Smart Surgical Assist" by Mr. Jibin Jose, faculty of BM department.
- ◆ Patent is filed for the innovation "WEARABLE MULTIFUNCTIONAL KNEE BRACE SYSTEM WITH INTEGRATED CONTINUOUS PASSIVE MOBILIZATION" by Jibin Jose (Asst. Professor in BME), Akashya T.S, Aquiline Terence George, Shalom Fatemah V.M, Vishnu Shaji (S8 B.Tech. Biomedical Engineering Students) together with co-inventors from Pushpagiri Medical College, Thiruvalla. The innovation was developed as part of final year project at Department of Biomedical Engineering.
- ◆ Mrs. Reshma Jose successfully completed various online courses offered by Coursera.
- ◆ Ms. Remya George successfully completed her open defence in Phd from GEC, Thrissur. Her Phd work was on "Impact of Long-term Physical training on Cardiac Control of Autonomic Nervous system and stress recovery characteristics using physiological signals".
- ◆ Dr. G.R. Gnana King selected for the Prestigious IRDP Awards 2019 for the remarkable Achievements in Teaching, Research and Publications.
- ◆ Dr. Caren Babu reviewed several papers including IEEE Transactions (SCI Indexed) and Elsevier Journals (SCI Indexed).
- ◆ Ms. Ambily Francis reviewed a paper in Innovation and Research in BioMedical engineering (IRBM Journal) (SCI Indexed)
- ◆ Dr. Vishnu Rajan reviewed paper in Journal of Intelligent & Fuzzy Systems (SCI Indexed)
- ◆ Dr. Vishnu Rajan has given a workshop on "Android App Development using MIT App Inventor and Flutter" at St. Thomas college, Thrissur.
- ◆ Dr. M. Rajeswari has given a guest lecturer on "UNIX memory usage, instrumentation and analysis" on 10.09.2019 in Nandha Engineering College (Autonomous), Erode.
- ◆ Dr. R. Satheesh Kumar and Willson Joseph C organized a National e-Conference entitled "Virtual Conference on Innovations in Computing - ABACON20," on 22nd June

2020, held at Sahrdaya College of Engineering and Technology, Thrissur.

- ◆ Dr. R. Satheesh Kumar acted as a Session Chair for "International Conference on Green Intelligent, Computing and Communication Systems-ICGICCS 2020," held at Hindustan College of Engineering & Technology, Coimbatore, Tamilnadu.
- ◆ Dr. R. Satheesh Kumar acted as a resource person and gave a hands on training session for the topic "Recent Trends in Python Programming", held at Sree Narayana Guru College, Coimbatore, Tamilnadu on 09th & 10th Jan 2020.
- ◆ Dr. R. Sunder and Mr. Scaria Alex acted as a Session Chair for "Virtual Conference on Innovations in Computing - ABACON20," held at Sahrdaya College of Engineering and Technology, Thrissur.
- ◆ The following faculty members have successfully completed certificate courses from coursera Binet Rose Devassy, Chinchu Jose, Ambily Francis, Dr. Caren Babu, Dr. Vishnu Rajan.
- ◆ Dr. Vishnu Rajan attended course in Machine Learning with TensorFlow on Google Cloud Platform - Awarded by Google Introduction to flutter development using DART - Awarded by Appbrewery, London.
- ◆ Dr. Vishnu Rajan has given a workshop on "Android App Development using MIT App Inventor and Flutter" at St. Thomas college, Thrissur.
- ◆ Mr. Shimin V V, Assistant Professor, EEE Department become Associate Member in "THE INSTITUTION OF ENGINEERS (INDIA)" (AM1881380).

PAPER PUBLICATIONS & PRESENTATIONS BY FACULTIES

- ◆ Ms. Caren Babu published a paper 'Performance of predictive coders for wireless capsule endoscopy image compression'. In International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878 (Online), Volume-8, Issue-5, January 2020. pp. 3094-3098. doi:10.35940/ijrte.E6388.018520. (Scopus indexed).
- ◆ Ms. Ambily Francis has successfully presented and published a paper entitled 'Arduino-based Automated Washroom Sanitizing System' in IEEE International Conference on Intelligent Computing and Control Systems organized by Vaigai College of Engineering during 13-15, May 2020 at Madurai, India.
- ◆ Ms. Ambily Francis presented a paper 'Grass-cutter Rover being Automated by Space-tracker system' in International Conference on Advances in Computing Technologies organized by Rajarajeswari College of Engineering during 18-19, June 2020 at Bangalore, India.
- ◆ Ms. Ambily Francis published a paper 'Grass-cutter Rover being Automated by Space-tracker system' in International Journal of Advanced Science and Technology, Vol. 29, No. 6, (2020), pp. 7781 - 7792, June 2020. (Scopus Indexed), ISSN:2005-4238E-ISSN:2207-6360
- ◆ Dr. Vishnu Rajan presented a paper, "Unparalyze: Control the world with your eyes" in the international conference on technological convergence in engineering, energy and sustainability ICTCEES 2020
- ◆ Mrs. Reshma Jose presented a research paper entitled "Automatic Detection of Solitary Pulmonary Nodules on Superpixel Segmentation and Advanced Classification Algorithm" in the second International Conference on Computing, Communication and Energy Systems 2020 held at MEA Engineering College, Perinthalmanna, Kerala on 26th and 27th February 2020.
- ◆ Ms. Reshma Antony presented a paper "Flood Hazard Assessment and Flood Inundation Mapping - A Review" in ICRAE 2020 organized by SOE, CUSAT, July 15-17th 2020.
- ◆ 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.
- ◆ Dr. M. Rajeswari published a paper on "Design of Unmanned Ground Vehicle for Landmine and Bomb Detection using Software Defined Radar", Research and Reviews: Advancement in Robotics, HBRP Publication, Vol 3, Issue 1, March 2020.
- ◆ Dr. M. Rajeswari published a paper on "A Comprehensive Survey on Detection of

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Person", INTERNATIONAL RESEARCH JOURNAL OF SCIENCE ENGINEERING AND TECHNOLOGY, ISSN 2454-3195, Volume 10 Issue 2, 2020, UGC approved.

- ◆ Ms.Divya R, Dr.M.Rajeswari published a paper on "EFFICIENT MACHINE LEARNING ALGORITHM FOR PREDICTING NEW VENTURE SURVIVAL", INTERNATIONAL RESEARCH JOURNAL OF SCIENCE ENGINEERING AND TECHNOLOGY, ISSN 2454-3195, Volume 10 Issue 2, 2020, UGC approved.
- ◆ Dr.R.Sunder, Dr.M.Rajeswari published a paper on "An Ensemble Approach for Exchange Rate Forecasting Using Multivariate Data", INTERNATIONAL RESEARCH JOURNAL OF SCIENCE ENGINEERING AND TECHNOLOGY, ISSN 2454-3195, Volume 10 Issue 2, 2020, UGC approved.
- ◆ Dr.M.Rajeswari published a paper on "Implementation of Unmanned Ground Vehicle for Landmine and Bomb Detection with Swarm Intelligence", Research and Reviews: Advancement in Robotics, HBRP Publication, Vol 3, Issue 2, 2020.
- ◆ Dr.R. Satheesh Kumar published a paper entitled "An efficient method for Bus Status and Fare collection", International Journal of Scientific Research and Engineering Trends, Vol 6, Issue 3, 2020.
- ◆ Mrs.Jasmy Davies presented a research paper entitled "A Survey on grabcut based image segmentation techniques", International Conference on Computational Intelligence and Digital Technologies, hosted by department of Computer science and Engineering on 15th and 16th June 2020, at Mangalam college of engineering, Ettumanoor, Kottayam.
- ◆ Dr. R. Satheesh Kumar Published a Text Book titled "Machine Learning with Python", LAMBERT Academic Publishing, 2020. (ISBN No.: 978-620-078817-7).
- ◆ Mr. Willson Joseph C, Published a Chapter titled "Attacks, Vulnerabilities, and Their Countermeasures in Wireless Sensor Networks (pages 134-154)" in the book Deep Learning Strategies for Security Enhancement in Wireless Sensor Networks, IGI Global Publisher, Scopus Indexed, ISBN13: 9781799850687.
- ◆ Mr. Joseph Jestin K J (College Librarian) published a paper entitled "E-resources and its adoption among engineering college faculty members pertaining to Kerala State." *Library Philosophy and Practice (e-journal)*. <https://digitalcommons.unl.edu/libphilprac/2625>. (UGC-CARE) Group -A, Scopus Indexed.
- ◆ Mr. Joseph Jestin K J (College Librarian) published a paper entitled "Infrastructure and facility readiness for providing e-learning and allied services in the engineering college libraries of Kerala." *Library Philosophy and Practice (e-journal)*. <https://digitalcommons.unl.edu/libphilprac/2881>. (UGC-CARE) Group-A, Scopus Indexed.
- ◆ Dr.V.Vijikala, Associate Professor, EEE Department published a paper, "A Novel Decision support system for Malignant Tumor using 3D Reconstruction and Volumetric analysis", Journal of Research in Dynamical & Control systems Vol 12, No. 3 2020.
- ◆ Dr. V. Vijikala, Associate Professor, EEE Department published a paper, "Early detection and classification of breast tumor from mammogram images", International journal of Psychosocial Rehabilitation ISSN: 1475 - 7192, Vol 24, Issues 3 2020.
- ◆ Mr.Shimin V V, Assistant Professor, EEE Department published a paper, "Vector Control Based Regenerative Braking for Induction Motor Driven Battery Electric Vehicles" in International Journal of Power and Energy Systems, 40(3). (SCI)
- ◆ Mr.Shimin V.V, Assistant Professor, EEE Department published a paper, "Energy Based Equivalent Circuit Modelling of Ultracapacitor Considering Variation of ESR with OCV" in International Journal of Power and Energy Systems, 40(2). (SCI)

WORKSHOPS & TRAININGS ATTENDED BY FACULTIES

- ◆ Ms.Ambily Francis and Dr.Caren Babu attended AICTE sponsored one week STTP, two weeks online FDP during May and June 2020.
- ◆ Dr. Vishnu Rajan attended 12 weeks NPTEL course on the Joy of Computing using Python, hosted by IIT Madras, considered equivalent to 1.5 2 weeks AICTE FDPs
- ◆ Ms.Binet Rose Devassy, Ms.Ambily Francis and Dr.Caren Babu, Ms.Chinchu Jose, Dr.Vishnu Rajan, are attended different webinars during May and June 2020.

- ◆ Faculties of BM Department Ms. Sony N.S, Ms. Remya George, Ms. Reshma Jose and Ms. Supriya Mary Sunil attended 2 days training on MATLAB Fundamentals on January 3rd and 4th 2020.
- ◆ Dr. Yuvaraj V participated in a 3 Days industry powered online FDP on Future Trends in Electronics organised by the Department of ECE, Dr. N.G.P Institute of Technology, Coimbatore from 2nd to 4th May 2020.
- ◆ Mr. Jibin Jose attended technical session on launch of Kerala Medical Technology Consortium of Government of Kerala on 23rd January 2020 at Jawahar Sahakarana Bhavan, Thiruvananthapuram.
- ◆ Mrs. Reshma Jose attended various Webinars in the month of May 2020, and also participated in an International Virtual Summit, Emerge 2020 conducted by IEEE, Kerala Young Professionals on 2nd May 2020.
- ◆ Mrs. Reshma Jose attended the IEEE International conference on "Advanced Computing and Communication Technologies for High Performance Applications" organised by the Department of Computer Science and Engineering, FISAT, Angamaly from 2nd July to 4th July 2020 .
- ◆ Dr. Amitha Joy, Dr.Dhanya Gangadharan, Dr.Uma Krishnakumar attended training in MATLAB fundamentals organized by Mathworks at SCET during 3rd- 4th January 2020.
- ◆ Dr.DhanyaGangadharan and Dr.Uma Krishnakuma completed a 5 week FDP course on "Nanotechnology and Nanosensors" organized by Technion-Israel Institute of Technology
- ◆ Ms.Salini P.J. attended STTP on "Recent Advances in Environmental Engineering & Management" organized by Division of Chemical Engineering, SOE @ CUSAT on during 2-7 March 2020.
- ◆ Ms. Smeera Thomas participated in SHE-RUN -2020, conducted by Decathlon Sports on March 8th 2020.
- ◆ Dr. R. Satheesh Kumar Completed five different professional development courses of 4 to 7 weeks in online platform (Coursera) during April to May 2020.
- ◆ Mrs. Jasmy Davies Completed three different professional development courses of 4 to 7 weeks in online platform (Coursera, IIT, MHRD) during April to May 2020.
- ◆ Willson Joseph C Completed a seven week professional development course titled "Programming for Everybody" offered by University of Michigan through Coursera on 12-April-2020.
- ◆ Dr. R. Satheesh Kujmar attended a one week FDP on "IoT with Cloud Computing" jointly organized by Electronics, ICT Academy and IIT Roorkee at Sri Sakthi Institute of Engineering and Technology, from 10th Feb 2020 to 14th Feb 2020.
- ◆ Mr. Willson Joseph C attended a 3 day Online FDP on "R & D approach to Industry 4.0" conducted by IES college of Engineering, from 3rd June to 5th June 2020.
- ◆ Dr.M.Rajeswari attended five different webinars in advanced areas of computer science and engineering during May - June 2020.
- ◆ Mrs. Sheethal M S attended the IEEE Xplore Webinar on "The Role of Digital Libraries in Online Learning Environment During the Pandemic" organized by Sahrdaya College of Engineering & Technology, Thrissur
- ◆ Mr.Scaria Alex attended the IEEE Photonics Webinar on "Science and technology in India: Past, Present and Future" organized by Mangalam College of Engineering, Kottayam.
- ◆ Mr. Scaria Alex have undergone a workshop on MATLAB Fundamentals organized by Sahrdaya College of Engineering & Technology, Thrissur.
- ◆ Mrs. Jasmy Davies attended an webinars on "Introduction to Deep Learning" and "Image Processing Basics With Python Open CV" during May-June 2020.
- ◆ Ms. Vasudha V, Ms. Aiswarya M S, Ms. Ragi C Ravindran, Ms. Remya P M, Ms. Reshma Antony, Ms. Sujana R, Prof. Sunny C Pare attended various webinars in the advanced areas of Civil Engineering during June-July 2020.
- ◆ Ms. Ashna Mohan, Ms. Drisya K Sasi and Ms. Neethu John have successfully completed few online courses in the month of April 2020.
- ◆ Ms. Ashna Mohan, Ms. Drisya K. Sasi, Mr. Abhijith R Prasad, Ms. Neethu John and Dr. V. Vijikala are attended different webinars in the period of May - June 2020.
- ◆ Mr. Sebin Davis K, Ms. Ashna Mohan & Ms. Merry Mathew of EEE Department attended Math Works Training Course.

