



ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to Anna University, Chennai)

(An ISO 9001:2015 Certified Institution)

ANGUCHETTYPALAYAM, PANRUTI – 607106

Annual Report of St. Anne's College of Engineering and Technology for 2020-2021

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Department Activities

- A one day Webinar on “Guidelines for Anna University Online Mode Examinations 2021” was conducted by Mr. S. Rajarajan, AP/CSE for the students of Computer Science and Engineering on 22nd January 2021.
- Department of CSE conducted a webinar on “Latex” on 27th March, 2021. Dr. A. Azhagappan, ASP/S&H was a Resource Person. He explained about LaTeX and III year CSE attended the Programme. It was very useful to the students.
- A Webinar on "Word Press" was presented by Ms. V. Britta Devi, Assistant Professor/CSE through online in Google meet platform on 27th April 2021 for the III year CSE students. They learnt how to create web pages and posting the blog in an excellent way with suitable examples.
- A Webinar on “Guidelines For Gate Preparation” presented by Ms. P. Sujithra Santha Kumari, Assistant Professor/CSE in Google Meet platform on 17th April 2021. Students from II, III, IV year were attended this event.
- Online Competitions have been conducted for environment awareness (Quiz, Poetry and Missing Letters) in celebration of World Environment Day on 5th June 2021 at 10:00 AM through the link <https://stannescet.ac.in/WED2021/>. Nearly 120 members have participated in this competition. E-certificate has been issued for all active participants. We have awarded certificate of merit for the participants who have secured 1st, 2nd and 3rd place for poetry competition.

Staff Achievements

- Mrs. E. Indhuma, AP/CSE has published a paper, “An Exploration of Year Prediction Using Large Scale Data” in the International Journal for Science and Advance Research in Technology on 5th May 2021.
- Mrs. D. Pauline Freeda, ASP/CSE has presented the following papers in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne's CET., Panruti on 5th March, 2021 as below:
 - A paper titled, “Secure Scheme for Medical Image Storage in Cloud”.
 - A paper titled “Measurement Analysis of Website Attackers using Onionbots”.
- Mrs. Z. Asmathunnisa, AP/CSE has presented a paper titled, “Integrity and Privacy Preserving of Data for Secure Cloud Storage using Third Party Auditor” in the

International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne's CET., Panruti on 5th March, 2021.

- Mr. S. Rajarajan, AP/CSE has presented a paper titled, "Attribute-Based Access Control with Data in Cloud Storage" in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne's CET., Panruti on 5th March, 2021.
- Mr. S. Manavalan, ASP/CSE has presented a paper titled, "Farmer Trade using Android Application" in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne's CET., Panruti on 5th March, 2021.
- Mr. S. Manavalan, ASP/CSE has presented a paper titled, "Mobile Camera Based Asistiv Text and Product Label Reading using Android for Blind Persons" in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne's CET., Panruti on 5th March, 2021.
- Ms. V. Britta Devi, AP/CSE has presented a paper titled, "Integration of A Chatbot with Education for The Smart Learning" in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne's CET., Panruti on 5th March, 2021.
- Mrs. D. Pauline Freeda, ASP/CSE and Mrs. Z. Asmathunnisa, AP/CSE had attended a four day Faculty Development on "Foundation Program on ICT for Education" at Sri Ramakrishna Polytechnic college, Coimbatore, from 28th to 31th January 2021.
- Ms. V. Britta Devi, AP/CSE Engineering has presented a paper titled, "A Multitasking Agricultural Robot using Internet of Things and Raspberry Pi" in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne's CET., Panruti on 5th March, 2021.
- Mrs. Z. Asmathunnisa, AP/CSE has attended a Webinar on "AI and Machine learning" at St. Joseph's College of Arts & Science, in association with Pantech E-learning, Chennai, on 17th May 2021.
- Mrs. Z. Asmathunnisa, AP/CSE has attended a Webinar on "Block Chain Technology" at SSN College of Engineering in association with Pantech E-learning, Chennai, on 17th May 2021.
- Mrs. Z. Asmathunnisa, AP/CSE, has attended a Webinar on "Introduction to R" at Saividya Institute of Technology in association with Pantech E-learning, Chennai, on 18th June 2021.
- Mrs. Z. Asmathunnisa, AP/CSE has attended a Webinar on "Renewable Energy Systems" at Saividya Institute of Technology in association with Pantech E-learning, Chennai, on 18th June 2021.
- Mrs. Z. Asmathunnisa, AP/CSE has attended a Webinar on "Deep Learning for Data Analytics" at R.M.K College of Engineering and Technology, Chennai, on 26th June 2021.
- Mr. S. Manavalan, ASP/CSE has attended a Webinar on "Innovation and Start-up Ecosystem" at Christ College of Engineering and Technology, Pondicherry, on 5th June 2021.

- Mr. S. Manavalan, ASP/CSE and Mrs. E. Indhuma, AP/CSE had Completed three day National level workshop on “Cloud computing technologies” at Multicloud4u association with AnnaiVailankanni College of Engineering and Technology, from 9th to 11th June 2021.
- Mrs. E. Indhuma, AP/CSE has published a paper, “Music Information Retrieval Utilizing Large Scale Data” in the International Research Journal of Modernization in Engineering Technology on 5th March 2021.
- Mrs. E. Indhuma, AP/CSE, Ms. V. Britta Devi, AP/CSE and Ms. P. Sujithra Santha Kumari, AP/CSE had attended the Guinness world record Event-Online Programming lesson in 24 hours, “Building a Face Recognition App using python” in the NEAT, AICTE & GUVI on 24th April 2021.
- Mrs. E. Indhuma, AP/CSE, has attended a Webinar on “Innovation and Start-up Ecosystem” at Christ College of Engineering and Technology, Pondicherry, on 5th June 2021.
- Mrs. E. Indhuma, AP/CSE has attended a two week AICTE Faculty Development on “Identification of Cyber criminal suspects using Data Analytical Techniques and R-studio software” at Francis Xavier Engineering college, from 27th to 31th June 2021.
- Ms. V. Britta Devi, AP/CSE has attended a one day online Workshop on “Ethical Hacking using Python” conducted by Pantech, on 25th April 2021.
- Ms. V. Britta Devi, AP/CSE and Ms. P. Sujithra Santha Kumari, AP/CSE has attended a one week AICTE Faculty Development on “Research Trends in Computer Vision and Natural Language Processing” at The Northcap University College, from 19th to 23th July 2021.
- Ms. V. Britta Devi, AP/CSE has attended a one week AICTE Faculty Development on “Deep learning for Computer Vision” at KIET Group of Institutions, from 26th to 30th July 2021.
- Ms. P. Sujithra Santha Kumari, AP/CSE has attended a Webinar on “Some Wanderings in Medical Informatics and Biometrics with Machine Learning & Deep Learning-Some Baby Steps” at St. Anne’s college of Engineering and Technology, on 20th May 2021.
- Ms. P. Sujithra Santha Kumari, AP/CSE has attended a three day National Level Workshop, “Cloud Computing Technologies” at AnnaiVailankanni College of Engineering, on 9th to 11th June 2021.
- Ms. P. Sujithra Santha Kumari, AP/CSE has completed the course, “Level-1 Module in Cloud Computing Technologies” at MultiCloud 4U Academy, on 9th to 11th June 2021.
- Ms. P. Sujithra Santha Kumari, AP/CSE has attended a Webinar, “Machine learning with MATLAB” at Noorul Islam centre for Higher Education, on 11th June 2021.
- Ms. P. Sujithra Santha Kumari, AP/CSE has attended a Webinar, “Awareness of COVID and Importance of Vaccination” at AnnaiVailankanni College of Engineering, on 12th June 2021.
- Ms. P. Sujithra Santha Kumari, AP/CSE has attended a three day National Level Webinar, “Modern Trends in Environment” at AnnaiVailankanni College of Engineering, on 18th June 2021.

- Ms. P. Sujithra Santha Kumari, AP/CSE has completed the course, “Introduction to Cyber Security Course” at CISCO Networking Academy, on 19th June 2021.
- Ms. P. Sujithra Santha Kumari, AP/CSE, has attended a two week AICTE Faculty Development on “Identification of Cyber criminal suspects using Data Analytical Techniques and R-studio software” at Francis Xavier Engineering college, from 27th to 31th June 2021.

Student Achievements

- Ms. M. Aruna, Ms. R. Ashwini and Ms. M. R. Varsha of IV year students from Department of CSE presented a paper titled, “Diabetic Retinopathy Retinal Vessels Classification Using Deep Learning Techniques” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Ms. D. Hemalatha, Ms. K. Monisha and Ms. A. Thenaruvi of IV year students from the Department of CSE presented a paper titled, “Attribute-Based Access Control With Data in Cloud Storage” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Ms. K. Aswini, Ms. E. Kanniyammal and Ms. R. Sangeetha of IV year students from Department of CSE presented a paper titled, “Secure Scheme for Medical Image Storage in Cloud” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Ms. K. Kavitha, Ms. M. Monisha, Ms. R. Vishnu Priya of IV year students from Department of CSE presented a paper titled, “Integration of A Chatbot with Education for The Smart Learning” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Ms. A. Babeyola, Ms. K. Bhuvaneshwari and Ms. S. Periyannayaga Mary of IV year students from Department of CSE presented a paper titled, “Easy Vision-An Android Application” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Ms. R. Hanusha, Ms. M. Manisha Koyarala, Ms. B. Vanitha of IV year students from Department of CSE presented a paper titled, “Automated Software Testing using Genetic Algorithm” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Ms. G. Kaviya, Ms. J. LizyPravarthana and Ms. S. Roja of IV year students from Department of CSE presented a paper titled, “Integrity and Privacy Preserving of Data for Secure Cloud Storage using Third Party Auditor” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.

- Ms. K. Kamali, Ms. K. Sivasakari, Ms. E. Sowmiya of IV year students from Department of CSE presented a paper titled, “IoT Based Automated Safety Industrial” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Mr. S. Arun Pandiyan, Mr. N. Karthikeyan, Mr. S. Santhosh and Mr. G. P. Vadalarasan of IV year students from Department of CSE presented a paper titled, “Face Mask Detection and Person Identification” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Mr. S. Ajith Kumar, Mr. A. Pradeep and Mr. Ranjith Kumar of IV year students from Department of CSE presented a paper titled, “Tracing Website Attacker in TOR Network using Log File” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Mr. P. Julian Kennady, Mr. M. Rajkumar, Mr. P. Sharchandar of IV year students from Department of CSE presented a paper titled, “A Machine Learning Approach to Predict Air Quality in India” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Mr. P. JastinRaj, Mr. J. Madhavan, Mr. J. Praveenkumar and Mr. G. Thirumalvalavan of IV year students from Department of CSE presented a paper titled, “Deep Learning Based Identification of Novel Corona Virus using Lung(Lus)” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Mr. J. Santhosh Kumar, Mr. V. Tamil Selvan and Mr. M. Srinivasan of IV year students from Department of CSE presented a paper titled, “Farmer Trade using Android Application” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.
- Ms. K. Abinaya, Ms. A. Abirami, Ms. L. Anushiya of IV year students from Department of CSE presented a paper titled, “Fake User Identification on Social Network” in the International Conference on Research and Development in Science, Engineering and Technology (ICRDSET) held at St. Anne’s College of Engineering and Technology, Panruti on 5th March, 2021.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Department Activities

- Department of Electrical and Electronics Engineering has conducted an awareness program on “Guidelines for Anna University Online Mode Examinations 2021” presented by Mr. S. Rajarajan, Assistant Professor, Department of CSE, organized by

Department of Electrical and Electronics Engineering, St. Anne's College of Engineering and Technology, Panruti on the 22nd January 2021.

- Department of Electrical and Electronics Engineering has conducted one day Practical Training and Field Visit on “Solar Campus Lighting System of St. Anne's CET” presented by Mr. A. Richard Pravin, Associate Professor, Department of EEE, organized by Department of Electrical and Electronics Engineering, St. Anne's College of Engineering and Technology, Panruti on the 19th February 2021.
- Department of Electrical and Electronics Engineering has conducted three days practical training workshop on “Product Development Using Internet of Things (IoT)” presented by Mr. S. BalaBaskar, Associate Professor, Department of ECE and Dr. G. R. Kanagachidambaresan, Professor, Department of CSE, Veltech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology organized by Department of Electrical and Electronics Engineering, St. Anne's College of Engineering and Technology, Panruti on the 18th to 20th March 2021.

Staff Achievements

- Mr. V. Balaji, Assistant Professor has presented a paper titled “Effect of DC Ripple and Commutation on the Line Harmonics of Current-Controlled AC-DC Converters” in International Conference on Research and Developments in Science, Engineering and Technology at St. Anne's College of Engineering and Technology, Panruti on 5th March 2021.
- Mr. K. Sriram, Assistant Professor has presented a paper titled “Group Leader Optimization Algorithm Based Optimal Reconfiguration of Distribution Feeder for Loss Reduction” in International Conference on Research and Developments in Science, Engineering and Technology at St. Anne's College of Engineering and Technology, Panruti on 5th March 2021.
- Sr. Annai Theresa, Assistant Professor has presented a paper titled “Analysis of A 21 Level Inverter with Reduced Switch Count” in International Conference on Research and Developments in Science, Engineering and Technology at St. Anne's College of Engineering and Technology, Panruti on 5th March 2021.
- Sr. Annai Theresa, Assistant Professor has presented a paper titled “A Novel 31 Level Cascaded H- Bridge Inverter” in International Conference on Advance Computing and Innovative Technologies at Galgotias College of Engineering and Technology, Greater Noida on 4th& 5th March 2021.
- Mr. A. Richard Pravin, Associate Professor has presented a paper titled “Optimizing Combined Emission Economic Dispatch for Solar Integrated Power Systems” in International Conference on Research and Developments in Science, Engineering and Technology at St. Anne's College of Engineering and Technology, Panruti on 5th March 2021.
- Mrs. J. Arul Martinal, Assistant Professor has presented a paper titled “Plant Growth Algorithm Based Load Forecasting of a Power System” in International Conference on Research and Developments in Science, Engineering and Technology at St. Anne's College of Engineering and Technology, Panruti on 5th March 2021.

- Ms. M. Premalatha, Assistant Professor has presented a paper titled “Minimization of Reactive power in Power System using Group Leader Optimization Algorithm” in International Conference on Research and Developments in Science, Engineering and Technology at St. Anne’s College of Engineering and Technology, Panruti on 5th March 2021.
- Mr. A. Sundara Pandiyan, Assistant Professor has presented a paper titled “Optimal Design of Energy Saving for Single Phase Induction Motor” in International Conference on Research and Developments in Science, Engineering and Technology at St. Anne’s College of Engineering and Technology, Panruti on 5th March 2021.
- Mr. J. Ramesh, Assistant Professor has presented a paper titled “Advanced Embedded Design Based Power System Maximum Demand Prediction and Controller for Efficient Power Management by Using Proteus” in International Conference on Research and Developments in Science, Engineering and Technology at St. Anne’s College of Engineering and Technology, Panruti on 5th March 2021.
- Mr. A. Richard Pravin, Associate Professor has attended one day webinar on “Issues, Challenges and Opportunities in Solar Photovoltaic Systems” organized by Department of Electrical and Electronics Engineering, A.K.T Memorial College of Engineering and Technology, Kallakurichi on 22nd January 2021.
- Sr. Annai Theresa, Assistant Professor has attended five days Faculty Development Program on “Research Conclave on Power Electronics” organized by Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru from 25th to 29th January 2021.
- Sr. Annai Theresa, Assistant Professor has attended AICTE Training and Learning (ATAL) Academy Online Faculty Development Program on "Electrical & Computer Engineering" organized by National Institute of Technology Raipur, from 4th to 8th January 2021.
- Sr. Annai Theresa, Assistant Professor has attended AICTE Training and Learning (ATAL) Academy Online Faculty Development Program on "Leadership & Excellence" organized by Jawaharlal Nehru Technological University College of Engineering, Anantapur, Andhra Pradesh from 1st to 5th February 2021.
- Sr. Annai Theresa, Assistant Professor has attended has participated AICTE sponsored two weeks online faculty development program on "Trends and Challenges in Power Converters and Control: Slot 1". organized by Department of Electrical and Electronics Engineering, College of Engineering and Technology, Chennai from 09th to 23rd February 2021.
- Sr. Annai Theresa, Assistant Professor has attended has participated in an online webinar on National Energy Conservation Day in the Topic "Importance of conserving energy in every walk of life" hosted by Renewable Energy Club - Christ College of Engineering and Technology, Puducherry in association with REAP (MHRD- initiative) Puducherry on the 14th February 2021.
- Sr. Annai Theresa, Assistant Professor has participated and successfully completed the six days AICTE Sponsored Online Short-Term Training Program on “Challenges and Opportunities in Implementing IoT and Machine Learning for Smart Grid Distribution System (Phase-III)” was organized by Department of Electrical and Electronics

Engineering, Kongunadu College of Engineering and Technology, Thottiam, Trichy District, Tamilnadu from 18th to 23rd January 2021.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Staff Achievements

- Our Faculty members presented a paper in the International Conference on Research and Developments in Science, Engineering and Technology at St. Anne's College of Engineering and Technology, Panruti on 5th March 2021. It is given below:

Sl. No.	Title of the Paper	Author Name
1	Energy-Efficient Adaptive Encoding for Off-Chip Communication	Mr. V. Venkatesan Mr. S. DuraiRaj Mr. B. Arunkumar
2	Early Diagnosis of Parkinson's Disease using Convolutional Neural Network	Dr. Sr. S. Anita
3	Design of low power Magnitude Comparator Using GDI Technique	Ms. M. Sahini Priya Mrs. B. Mary Amala Jenni Mrs. D. Uma Maheswari
4	Raspberry Pi Based Automatic Vehicle Speed Detection Warning and Control System	Mr. B. Arunkumar Mr. V. Venkatesan Mr. S. Durai Raj
5	Design and Implementation of Miniature U-slot Patch antenna for 5G Communication	Mr. S. Durai Raj Mr. B. Arunkumar Mr. V. Venkatesan
6	Smart Saline Monitoring Device using LoRa Technology	Mr S. Balabasker Mrs. D. Uma Maheswari Mr. R. Radha Krishnan
7	Automatic Detection for Diabetic Retinopathy Using Deep learning in Modified AlexNet CNN Architecture	D. Uma Maheswari
8	Smart Irrigation Monitoring System Using Lora Technology	Mr. R. Radhakrishnan Mr. S. Balabasker

- Mr. S. Balabaskar, ASP/ECE acted as Jury for Project Contest Innovism 2.0 organized by projectcontest.com held on 27th March 2021.
- Mr. S. Balabaskar, ASP/ECE and Mr. S. Durai Raj, AP/ECE acted as resource person for a three days workshop on "Programming Arduino using TinkerCAD" from 10th March 2021 to 12th March 2021 for AnnaiVelankanni Polytechnic College III Year EEE Students at St. Anne's College of Engineering and Technology, Panruti. Students learnt to control of various(Analog & Digital) devices using Arduino Uno. Totally 102 Students participated in the workshop.

- Mr. S. Balabaskar, ASP/ECE acted as resource person for a one day workshop on "Introduction To Internet Of Things (IoT)" on 18th March 2021 for II Year EEE students at St. Anne's College of Engineering and Technology, Panruti.

Student Achievements

- Students of II, III, IV Year ECE department has attended a Webinar on "How to get a Placement in Multinational Companies" organized by IIT Mumbai on 28th February 2021.
- Ms. P. Yuvarani, Mr. K. Raja from IV year ECE presented a paper titled" Design of 4:1 Multiplexer Based Adder Using Various Logic Techniques" in National Level Technical symposium organized by Department of Electronics and communication Engineering, Idhaya College of Engineering for Women, Chinnasalem on 13th March 2021.
- Ms. M. Nandhini, Ms. S. Abitha from IV year ECE presented a paper titled" Reconfigurable H-Shaped Dielectric Resonator Antenna " in National Level Technical symposium organized by Department of Electronics and communication Engineering, Idhaya College of Engineering for Women, Chinnasalem on 13th March 2021.
- Mr. S. Anandh, Mr. A. Punniyakodi from IV year ECE presented a paper titled" Design Of Low Power Hybrid Full Adder Using Xor/Xnor Circuit" in National Level Technical symposium organized by Department of Electronics and communication Engineering, Idhaya College of Engineering for Women, Chinnasalem on 13th March 2021.
- Final year students have actively participated and presented a paper in the International Conference on Research and Developments in Science, Engineering and Technology at St. Anne's College of Engineering and Technology, Panruti on 5th March 2021. It is given below:

Sl. No.	Title of the Paper	Author Name
1	Driver Drowsiness Detection and Alert System	Ms. J. Nisha Ms. C. Sugapriya
2	Intravenous Flow Monitoring System Using Lora Technology	Ms. M. Malini Ms. D. Divya
3	Reconfigurable H-Shaped Dielectric Resonator Antenna	Ms. M. Nandhini Ms. S. Abitha
4	Design of Low Power Hybrid Full Adder Using Xor/Xnor Circuit	Mr. S. Anandh Mr. A. Punniyakodi
5	Design And Analysis of RF LNA With Transistor Configurations	Ms. K. Priyadharshini Ms. K. Nandhini
6	Deep CNN Based Automated Diabetic Retinopathy Disease Identification System	Ms. M. Stephygrafi Ms. R. Shalini
7	Design of 4:1 Multiplexer Based Adder Using Various Logic Techniques	Ms. P. Yuvarani Mr. K. Raja
8	Design And Implementation Of Internet Controlled Switch Box	Mr. M. Selva Mr. N. Rajadurai

DEPARTMENT OF MECHANICAL ENGINEERING

Staff Achievements

- Dr. R. Arokiadass, Pincipal, published a paper on “Modelling and Analysis of Tool life on CNC Turning of Auminiumalloy 6063 using Tungsten Carbide Tools: Application of Taguchi Technique”, International Journal of Modern Trends in Science and Technology, 2021, pp.118-122.
- Mr. K. Shanmugam Elango, ASP/Mech, has participated and presented a paper titled “Investigation on Electrical Discharge Coating of Aluminum Alloy using WS₂/Cu Powder Mettallurgy Electrode” in the 3rd National e-Conference on Recent Development in Automobile and Mechanical Engineering (RDAME'21) organized by Easwari College of Engineering, Chennai on 31st March 2021.
- Dr. D. Ommurugadhasan, HOD/Mech, Mr. R. Sasikumar, AP/Mech, and Mr. K. Shanmugam Elango, ASP/Mech, had attended the Short Term Course on “Next Generation Technology In Manufacturing, Phase – II” organized by Department of Mechanical Engineering, Pondicherry Engineering College, Pondicherry from 22nd to 27th February 2021.
- Mr. K. Saravanan, ASP/Mech, Mr. R. Jayakumar, AP/Mech and Mr. T. Elangovan, AP/Mech, had attended the Faculty Development Programme on “Entrepreneurship Development” organized by Entrepreneurship Development and Innovation Institute (EDII), Chennai and University college of Engineering, Villupuram, from 21st to 23rd January 2021.

DEPARTMENT OF SCIENCE AND HUMANITIES

Department Activities

- The Department of Science and Humanities had organised a Webinar on “Virtual Industrial Visit” on 8th January, 2021 at 11:30 AM. The objective of the visit is to provide an opportunity for the students to expose themselves virtually to industrial environment and correlate the theoretical knowledge with practical aspect. Mr. A. Mark Vimal Jarard, Pre-commissioning Manager, Desalination Plant, Jurong Engineering Limited, Kingdom of Bahrain, explained the importance of safety rules and safety procedures followed inside the company and discussed about the company product and operation. Sur desalination plant uses sea water which is high potential solution to convert sea water into potable drinking water and uses innovative technologies which are ecologically and economically efficient. He showed the various units of the company and explained about Beach well Catchment, Pre-treatment, High-pressure Pumps and Energy Recovery, Reverse Osmosis (RO), Post-treatment, and Drinking Water Storage processing. During the Virtual Industry visit, the students were also able

to see the various high pressure pumps, safety valves, flow measuring devices, flow control valves and chemical treatment.

- The Department of Science and Humanities has arranged an Inter-College Virtual Quiz & Science Fair Competitions-2021 on 8th January, 2021 to remember Stephen Hawking, the renowned scientist, known for his contributions to the study of the universe, from the origins of the cosmos to the mysterious nature of black holes, The long time Cambridge professor, roaming the campus grounds in his electric chair and speaking in the deadpan, robotic voice of his speech synthesizer. “If you are sensitive towards your surrounding and identify the real problems of it, fruitful innovations come up naturally,” Students were asked to choose their favourite topic and create a scientific working model to explain it. They made still models, colourful charts, posters, working models, and so on. The students also gave a beautiful and detailed explanation of their models to all the viewers with basic scientific principles. They were even questioned about the scientific concepts and theories behind their project. Various sustainable topics and ideas were picked up and demonstrated visually. All of them showcased their best talent and abilities both verbally and mentally.
- The Department of Science and Humanities has organised a Webinar on “Remembering Stephen Hawking's Greatest Contributions” on 8th January, 2021 at 10:00 AM to remember the primary scientific accomplishments of Stephen Hawking, the renowned scientist. Stephen Hawking was born on 8th January, 1942 exactly 300 years after the death of Galileo. Coincidentally, he died on 14th March, 2018, on the Birth Date of Albert Einstein. Dr. S. Jancy Sophia, Assistant Professor, Department of Chemistry, C. Kandasamy Naidu College for Women, Cuddalore, Resource Person, revealed his early life, about his books and Awards and Honors received by him. Hawking was a mediocre graduate student at Cambridge. Recently in 2014, Biographical Romantic Drama Film “The Theory of Everything” was directed including the details of his relationship with his wife. He was honoured with Several Awards for his contribution in Physics and she inspired students by telling about his sufferings with the rare and incurable neurological disease. This disease paralysed him over the decades. Though the seminar was heart touching but his zest and will in life proved to be a great inspiration for all of us.

Staff Achievements

- Mr. N. Syed Mubarak, AP/S&H, Mr. D. Sampath Kumar, AP/S&H, Mrs. J. JoaquineArokia Mary, AP/S&H, Mrs. S. Ramya, ASP/S&H, Mr. R. Viswalingam, AP/S&H, Mr. V. Prakash, AP/S&H and Dr. A. John Peter, HOD/S&H had participated in AICTE sponsored Quality Improvement Programmw (QIP) short –term course on “Computational Thinking In India organized via online mode during 16th to 20th January 2021 by the Sanskrit Club, IIT Roorkee.
- Dr. A. Azhagappan, ASP/S&H received a “International Scientist Award on Engineering, Science and Medicine” from VIDGOOD Professional Association on 6th& 7th February 2021.

- Dr. A. Azhagappan, ASP/S&H attended a National Webinar “Emerging Trends in Mathematical sciences and Engineering Applications “ from 6th to 7th January 2021 in the University college of Engineering, AdikaviNannaya University, Rajamahendravaram, Andra Pradesh.
- Dr. A. Azhagappan, ASP/S&H acted as a resource Person of a webinar titled “Latex” on 27th March 2021 conducted by Department of CSE. III year CSE students attended this event.
- Mrs. J. JoaquineArokia Mary, AP/S&H, has attended the Five Day Online National Yoga Workshop on the occasion of “International Yoga Day” organized by Saint Francis De Sales College, Nagpur from 17th to 21st June, 2021.
- Mrs. J. JoaquineArokia Mary, AP/S&H, had attended the Online Faculty Development Programme on “Global Competitiveness and the Role of Professional Societies in Academic Arena” organised by the Department of Chemistry, Bharath Institute of Higher Education and Research held on 22nd June 2021.

Staff orientation programme on "Organizational Behaviour" was organized on 22.05.2021 by Rev. Sr. Dr. Y. Yesu Thangam, Secretary was a resource person. All the Non-Teaching staff members have attended the programme. The entire session was very interactive.