SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

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

Kaikkurichi, Pudukkottai- 622 303

Annual Report 2021 -22

16th June 2022

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ANNUAL REPORT FOR THE ACADEMIC YEAR 2021 -22

Honorable Chief Guest, Respected Chairman, Esteemed Secretary, Members of the Board, Dear Colleagues, My Dear Students, Parents, Media persons, ladies and Gentlemen very Good morning.

It is my privilege to present the annual report for the academic year 2021-22 in this annual day function to project the activities of this year.

OVERVIEW

Right from the period of known civilization, life on earth is a cluster of humanity, especially men and women. Men went for hunting. Women and children were only to support men for their day to day livelihood and they lived under the strict supervision of men. Even when there is an improvement in culture, the right to go out, the right to speak, the right to take decision by women is all severely controlled. The women rights are denied. Their existence and their hardships are not brought to surface.

As far as India is concerned, the freedom of women is slowly and strongly built along with the freedom struggle for India. Higher education and decent life is mostly achieved only by the urban women. But in rural areas, till now, the condition of rural women is found to be very backward. The primary thing to bring the rural women, out of the submerged condition is education. This context paved the way for the inception of Sri Bharathi Engineering College for Women besides Sri Bharathi Arts and Science College, Women's Polytechnic, B.Ed., College and Teacher Training Colleges. This is the first Engineering College started only for women in Pudukkottai District. This college was seeded by Sri Bharathi Educational Trust in the year 2009 with five B.E/B.Tech courses to inculcate quality education for the rural women and now

it has attained full growth and is prepared to produce the tenth batch of outgoing students.

INVESTMENT DETAILS

The investment made for infrastructure development and laboratory expenditure for the academic year 2021-22 is furnished below.

1. Infrastructure   - Rs.2,50,000
2. Laboratory Facilities   - Rs.4,03,283
3. Other Expenditures   - Rs.1,76,600

The total investment made for this academic year- Rs.8,29,883

LIBRARY

Our College has a good library to the benefit of students and faculty. All the books can be accessed through "Modern Lib" software package which is an integral multiuser management system. Bar code technology is adopted in the library and is equipped with bar code scanner, reader and Internet.

Text books, reference books, journals etc are purchased regularly and during this academic year 400 copies of books with 367 titles were purchased with an investment of Rs.1,71,171 /- and till date 13457 copies of books with 6169 titles are available.

30 numbers of International and National Journals and Magazines with an investment of Rs.80, 520 during the academic year 2021-22 were subscribed.

Our library also subscribes E-Journals through DELNET and the subscription fee is Rs.13,570/-per annum.

The total investment to the library during this academic year for the purchase of books and journals is Rs.2,65,261/-

ACADEMICS

FACULTY RECRUITMENT

The recruitment details of the faculty during the odd and even semesters of the current academic year are given below.

1. **Electrical and Electronics Engineering Department:**

   Four teaching staffs were recruited during the academic year 2021-22.

2. **Electronics and Communication Engineering Department:**

   Two teaching staffs and one non teaching staff were recruited during the academic year 2021-22.

3. **Civil Engineering Department:**

   One teaching staff was recruited during the academic year 2021-22.

4. **Computer Science and Engineering :**

   One teaching staff was recruited during the academic year 2021-22.

5. **Science and Humanities:**

   One teaching staff was recruited during the academic year 2021-22.

UNIVERSITY RESULTS

Our students have shown good performance in the University Examinations during Apr/May 2021 and Nov/Dec 2021.The results show that our students have got very good pass percentages and it stands **First** among the 11 Engineering Colleges in this District. The following table exhibits the pass percentages of the current academic year University Examinations.

1. Civil Engineering

Year	Apr/May-2021	Nov/Dec-2021
II	72.70	100.00
III	80.00	80.00
IV	100.00	100.00

2. Electrical and Electronics Engineering

Year	Apr/May-2021	Nov/Dec-2021
II	90.90	87.50
III	100.00	50.00
IV	100.00	100.00

3. Electronics and Communication Engineering

Year	Apr/May-2021	Nov/Dec-2021
II	100.00	100.00
III	100.00	100.00
IV	100.00	100.00

4. Computer Science Engineering

Year	Apr/May-2021	Nov/Dec-2021
II	95.65	95.80
III	96.00	100.00
IV	100.00	100.00

ASSOCIATION ACTIVITIES

1. **Department of Civil Engineering**

   ➢ One Day National Level online Seminar on "Rudiments of IS Codes and Standards"by Shri S.Gowrishankar, Structural Engineer from Energoprojekt Entel Co Ltd, Dubai was organized on 24th December 2021 and spoke about the codal provisions and standards for the analysis and design of various structures adopted in the construction field. Total numbers of participants are 85 from various parts of the country (viz) (i) Mahindra University, Hydrabad ,(ii) Odissa University of Technology and Research, Bhuvaneshwar(iii) Mahammed Sathak AJ Academy of Architecture, Chennai etc .

➢ A seminar on "Modern Technologies Adopted in Building Planning and Designing" by Mrs.R.Revathi, Proprietor, RK Construction, Thanjavur on 29.04.2022.

2. **Department of EEE**

➢ One day seminar by Dr.S.Venkatanarayanan, Professor/EEE, KLN College of Engineering, Madurai on "Optimizing Energy Consumption Management" was organized by the Department of Electrical and Electronics Engineering on 17.11.2021.

➢ A one day online workshop on "Modern Trends in Smart Grid" was arranged on 7th May 2022. Dr.Ankur Singh Rana , Assistant Professor , NIT, Trichy was the resource person for the forenoon session and delivered a lecture on "Importance of Communication Infrastructure in Smart Grid" and the afternoon session was handled by Mr.S.Sivagaminathan, CPCL , Chennai on "Maintenance of Electrical Grid". Totally 112 students registered for this workshop from various Engineering Colleges (viz) (i) Karunya Institute of Technology and Sciences, Coimbatore (ii) Anna University,BIT Campus, Trichy (iii) PMIST, Thanjavur etc.,

3. **Department of ECE**

➢ Seminar on "Innovations in Recent Industrial Applications" on 27.12.2021 arranged by ECE department and the lecture was delivered by Er.Dheepan Senthil, Galwin Technology, Trichy.

➢ A online Seminar on "Recent Trends in Image Processing and its Applications" was arranged on 21st May 2022 and the session was handled by Dr.E.S.Gopi, Associate Professor & Head, NIT, Trichy.

4. Department of CSE

➢ One day online Seminar on "Android App Development" was conducted by Ms. Ghilda Manuel, Software Engineer, Farmwise AI, Chennai, on 18th December 2021.

➢ A seminar on 'Recent Innovations in Big Data Analytics using Hadoop' was arranged on 27.12.2021. Ms.B.Elangkavin, Technology Analyst, Infosys, Chennai, presented a lecture.

PROGRAMMES ORGANIZED

➢ A one day programme on "Employee Motivation and Satisfaction" was conducted by Ms.P.Prabha, Manager, NISDE Edu Tech, Pudukkottai on 14-08-2021 for all teaching and non teaching staffs.

➢ A Program on "Menstrual Hygiene" was conducted on 20.09.2021 for 139 students. The Resource Person was Dr.V.Kalpana Ingarsal, DGO., and Dr.S.Haritha.,M.B.B.S.,Be Well Hospital,Pudukkottai.

➢ Entrepreneurship Development Cell conducted a Programme on "Innovative Approaches to Funding: a Guide for Women Entrepreneurs" on 23.09.2021 for II, III and IV year students. The Resource person was Dr.S.Raja Anand, Professor, Sastra University,Thanjavur.

➢ First year classes for the academic year 2021-22 was inaugurated on 08.11.2021. Kavingner Maha Sundar was the Chief Guest and gave the students very good inspirational speech to bring out their hidden talents and fulfill their parent's dreams.

➢ A student induction programme "Break the Ice" for the first year students was organized from 16.11.2021to 27.11.2021,to develop the self confidence among the students, to cultivate positive attitude, to encourage the leadership qualities and encouraging the ability to work hard to achieve the goal.

- A Training Program on "Leadership and Interpersonal skill" was conducted on 31.11.2021 for all final year students. Er.Baskaran, Manager, Cliff Engineering Works, Trichy was the resource person.

- One day online programme on "Mentoring and Methods of Counseling" by Dr.B.Selvaraj, Psycology Foundation, Coimbatore on 4/12/2021.
  In the Forenoon Session, he talked about "Mentoring Basis" and in the afternoon session "Methods of Counseling & Counseling skills, Student psychology etc were dealt by him.

- A Seminar on "Ethical considerations in AI and IPR" was conducted on 16.12.2021 for Ist year students. The Resource person was Dr.P.Sathyamoorthi, Associate Professor, Bannari Amman Institute of Technology, Erode.

- National youth Day was celebrated on 12.01.2022 by science club, Sri Bharathi Engineering College for Women and conducted technical quiz for the   Ist year students. First prize was awarded to B.Sherlin Kavia (Civil) &Second prize was awarded to A.Dhanyasree (ECE) department.

- Pongal festival was celebrated on 12th February2022.Prizes were awarded to the winners of the various competitions conducted with the festival activities.

- The National conference "Emerging Trends in Multi-Disciplinary Engineering Fields (NCETMEF-2022)"was organized on 18.02.2022.The Resource Person was Dr.J.S.Sudarsan, Assistant Professor, School of Construction Management, NICMAR,Pune.Totally 198 papers were presented in the conference from various colleges like, University College of Engineering-Ramnad, Dr.Mahalingam College of Engineering and Technology,Coimbatore, Mepco Schlenk College of Engineering and Technology, Renganathan College of Engineering and Technology, MAM College of Engineering and Technology, M.I.E.T College of

Engineering and Technology, Mount Zion College of Engineering and Technology etc.,

➢ "National Science Day" was observed on Monday, 28th February2022 Lt. Dr. R.Pagutharivalan, Assistant Professor/Chemistry& NCC officer for Army Wing, H.H.The Raja's College, Pudukkottai was the chief guest and delivered a speech on "Science & Technology for Sustainable Future".

➢ International Women's day was celebrated on 09.03.2022.Professor Jeyanthasri Balakrishnan, Coimbatorewas the Chief Guestand deliveredan inspirational speech on women's liberation and responsibility.Various competitionslike (i) Essay Writing (ii) Quiz (iii) Poetry (iv)Media news on sexual harassment (observe, explain and provide solutions) were also conducted.

➢ The training and placement cell of ourcollege has arranged a "Carrier Guidance Programme" for all final and third year students on 16.03.2022 by Mr.M.Manikandan,DEO,Mr.P.Velmurugan,JEO,District Employment Office,Pudukkottai.

➢ A Program on "Personality Development" was conducted by Mrs.J.K.Shakila,GTT Foundation Barclays,CSR Training,Chennai on 22.03.2022for all final and third year students.

➢ Entrepreneurship Development Cell conducted a Programme on "Balancing Act: Managing Work-Life Integration in Women's Enterpreneurship" on 30.03.2022 for II, III and IV year students. The Resource persons was Er.JCI. A. Jhose Antony, Entrepreneur, Gabrial Computers, Karaikkudi

➢ A Job fair was organized on 09.04.22 in our college premises in association with the District Administration, Pudukkottai andTamilnadu Urban and Rural livelihood Movement. Around 30 students got appointed for various companies like (i) Elcompo Electronic India Pvt Ltd, Chennai

&(ii) Eminance Business Solutions, Chennai; (iii) Magicreach, Trichywith a salary range from Rs.1.50 Lakhs to Rs.2.00Lakhs per annum.

➢ Department of ECE conducted an Alumni lecture on "Artificial Intelligencewith Python" by our alumni C.Kavya, AI Developer, Galwin Technology, Trichy on 12.04.2022.

➢ A Seminar on "IPR for Entrepreneurs and Startups" was conducted in connection with National Intellectual Property Day on 22.04.2022 for II, III and IV year students. TheResourceperson was Dr. J. Ramprasath, Assistant Professor, MCET, Pollachi.

➢ GATE guidance programme was conducted for final year students by Ms.Jeyapradha, AP/CSE on 29.04.22

➢ A Programme on "Practice of Common Yoga Protocol and Yioga Demonstration " was conducted by Master.P.Pandiyarajan and Mrs.Y.Bhuvaneshwari, Yoga master, Aathma Yogi Foundastion,Pudukkottai on 15.06.2022.

➢ A Two day Faculty Development Programme on "**NAAC Accreditation – Procedures and Processes**" was organized from 24-06-2022 to 25-06-2022" for all the faculty members. The resource persons were Dr.M.Kannan and Prof.G.Kannan, both from Parisutham Institute of Technology and Science, Thanjavur.

EXTENSION ACTIVITIES

• Career guidance programme for +2 students were conducted for various Government Higher Secondary Schools as below,

Puthambur (ii) Andakulam (iii) Keeranur (iv) Keelakurichi (v) Illuppur (vi) Annavasal (vii) Subramaniapuram (viii) Vallathirakottai (ix) Vennavalkudi (x) Arimalam (xi) Kalanivasal (xii) Vettanviduthi (xiii) Karambakudi and (xiv) Malayur during the academic year 2021-2022.

- "Rights and duties of voting" – Door to Door meeting was organized in association with NSS Unit and Electoral Literacy Club at Avudaiyarpatti village on 09th September 2021. 35 Volunteer Student participated in the programme.

- COVID-19 Vaccination Camp was conducted by our college on 14th September-2021.Dr.A.Udayakumar, Covid Control Officer and Dr.B.Ramachandran, Block Medical Officer were heading the medical camp. Around 30 students from various departments got vaccinated in that camp.

- "Awareness against Spread of Dengue Infections" was organized at Vallanaadu Village on 05.10.21.Volunteers of about 29 students participated in the programme.

- Organ donation-A Rally for Saving Lives was organized in Primary Health Care center, Kulavaipatti on 20.10.21. 43 Volunteer Students participated in the programme.

- An interactive session on "Corona Virus Awareness programme" was conducted on 22nd November, 2021 by Ms.K.A.Muthulakshmi, Asst.Prof, Department of ECE. All the students from various departments and faculty members were attending the programme.

- A medical camp was conducted in our college campus on 28thJanuary2022.Various tests like blood test, pressure test etc conducted in association with YRC. Around 32 students participated in this camp.

- A rally and door to door campaign on "Awareness about Covid-19 Vaccination" was conducted by our college on 23rdMarch 2022 in Alagambaalpuram village. Students of final year from all the departments volunteered for participation.

- A rally on "Self Development and Empowerment of Women" was conducted by our college on 25th March, 2022 in Alagambaalpuram village. Students of final year took part in the rally.

INDUSTRIAL VISITS

(1) An industrial visit comprising of KELTRON, IT Company,Cochin,Lulu Mall and Vagamon around Cochin was Undertaken by 49 students of CSE department accompanied by 4 Staff members on 13& 14th April 2022.

(2) 26 students from ECE department and 25students from EEE department accompanied by 4 staff members visited Solar Power Plant, M.Chinnasamy Stadium and an Electronics company at Bangalore;Sri Rangapattinam on the way to Mysore,Zoo (Mysore) and Brindawan on 22&23.04.2022.

INPLANT TRAINING/INTERNSHIP

1. Civil Engineering

- Ms.K.Meenachi,Ms.M.Sathya,Ms.S.Srividhya and Ms K.Umamaheswari of fourth year Civil Engineering attended an Inplant Training at SHABEE CONSTRUCTION, Pudukkottai from 19.07.2021 to 15.08.2021.

2. Electrical and Electronics Engineering

- Nine students of III year EEE attended an In Plant Training at BSNL,Karaikkudi SSA from 10.08.2021 to 17.08.2021.

- Six students of IV year and ten students of III year EEE attended an Internship program on "Industrial Automation on PLC" at GALWIN TECHNOLOGY,Trichy from 21.08.2021 to 01.09.2021.

- Five students of IV year EEE attended an Internship on "Embedded System" conducted by SD PRO SOLUTIONS, Trichy from 04.09.2021 to 08.09.2021.

- Eight students of IV year,attended an Internship program on "Industrial Automation",eleven students of III year and seven students of II year attended an Internship program on "Circuit Debugging" at Stepup Controls, Chennai from 19.01.22 to 08.02.22.

3. Electronics and Communication Engineering

- Twelve students of Final year and ten students of III year ECE attended an Internship programme on "Raspberry-Pi" conducted by HI-TECH SOLUTIONS, Nagercoil from 19.01.2022 to 08.02.2022.

- Ten students of II year ECE attended an internship programme on "Circuit debugging" conducted by Step up control-Chennai from 19.01.22 to 08.02.22.

4.CSE Department

- Ms.S.Abirami, Ms.S.Mala,Ms.M.Nivedha and Ms.A.Sivasangavi of fourth year CSE attended an internship programme on "Software Engineering" conducted by Fantasy Solution, Trichy for one month from 16.07.2021 to 16.08.2021.

- Ms.S.Puviyarasi of fourth year CSE attended an internship programme on "Internet of Things" conducted by Fantasy Solution, Trichy from 02.08.2021 to 07.08.2021.

- Ten students of IV year and twelve students of III year CSE attended an internship programme on "Artificial Intelligence" conducted by Galwin Technology, Trichy from 12.08.2021 to 18.08.2021.

- Nineteen students of IV year and Twenty one students of III year attended an Internship programme on "Android app Development" conducted by Hi Tech Solutions, Nagercoil from 19.01.2022 to 08.02.2022.

- Twenty three students of II year CSE attended an internship programme on "C Programming" conducted by Hi Tech Solutions, Nagercoil from 19.01.2022 to 08.02.2022.

- Ms.J.Rilwana Parveen of III year CSE got selected with a stipend of Rs.3000/- per month for an internship on "Web Development" from "Kartostart" company for 2 months from 04.03.22 to 04.05.22. The Management and the Principal congratulates all the students for her achievement.

FACULTY DEVELOPMENT

Sponsorship for Higher Studies

Mr.J.Sathyaraj, Assistant Professor from Electrical and Electronics Engineering and Mr.C.Palaniappan, Assistant Professor from Electronics and Communication Engineering are sponsored to do Ph.D (Part time) under Anna University, Chennai during this Academic year 2021-22.

Paper Publications

International Journals

- **Dr.S.Thilagavathi/Principal and Ms.R.Manju,AP/Civil** published a paper on "An Experimental Study of Waste Water Treatment by using Natural Coagulants" in the International Journal for "Modern Trends in Science and Technology", Vol.7, issue 8, August 2021.

- **Dr.S.Thilagavathi/Principal and Ms.G.Gayathri, AP/Civil** published a paper on "Non Linear Regression Model for Compressive Strength of Silica Fume Concrete" in the International Journal for "Research in Engineering Application & Management", Vol.7, issue 6, September 2021.

- **Mrs.G.Sugapriya, AP/CSE** published in the journal titled 'Self Monitoring System For Vision Based Application Using Deep Learning', International Journal of Advanced Research In Computer And Communication Engineering (IJARCCE), ISSN number 2319-5940.

- **Ms.S.Jayapratha, AP/CSE** published in the journal titled 'Trust Centric Privacy Preserving Blockchain Based Digital Certificate Locker', International Journal of Advanced Research in Computer And Communication Engineering (IJARCCE), ISSN number 2319-5940.

- **Ms.P.Subha,AP/CSE** and four students from final year CSE published a paper on "College Management System" in an International Journal of "Advanced Research in Computer and Communication Engineering": Vol.11, issue 5, May 2022.

- **Mrs.G.Bhuvaneswari,AP/CSE** and three students from final year CSE published a paper on "Smart Classroom Attendance System using Face Recognition" in International Journal of "Advanced Research in Computer and Communication Engineering": Vol.11, issue 5, May 2022.

- **Mrs.K.Priyanka,AP/CSE** and three students from final year CSE published a paper on "Face PIN Biometric Authentication System for ATM using Deep Learning" in "International Journal of Advanced Research in Computer and Communication Engineering": Vol.11, issue 5, May 2022.

- **Mrs.K.Priyanka, AP/CSE** published in the journal titled 'Known and Unknown Face Smart Home Door Lock System using AI and Edge Computing', International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), ISSN number 2319-5940.

- **Mrs.R.Yogeshwari, AP/ECE** published in the journal titled 'Envision of Crops to Prevent and Reduce the Usage of Pesticides and Fertilizers using Raspberry PI & AI', International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), ISSN number 2319-5940.

- **Mrs.V.Nithya Poorani, AP/ECE** published in the journal titled 'Real Time Detection and Reporting of Road Potholes using GPS', International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), ISSN number 2319-5940.

SPONSORSHIP FOR FDP / WORKSHOP / SEMINAR / CONFERENCES

SPONSORSHIP FOR FDP / WORKSHOP / SEMINAR

DEPARTMENT OF CIVIL ENGINEERING

Ms.R.ManjuAP & Ms.R.PadmaraniAP

- Attended an Online Training Programme on "Modern Geotechnical Engineering" conducted by NITTTR, Chennai for five days from 07.02.2022 to 11.02.2022

Ms.G.Gayathri AP & Ms.R.Padmarani AP

- Attended an online FDP on "Inculcating Universal Human Values in Technical Education" for five days from 28.02.2022 to 04.03.2022 conducted by AICTE

Dr.S.Gunaselvi ASP, Ms.R.Kayalvizhi AP&Mr.A.Sivayogaraj AP

- Attended a one day workshop on Applications of Artificial Intelligence in Construction in E-Soft Solutions,Trichy on 05.03.2022.

Ms.Manju AP, Mrs.R.Padmarani AP & Ms.G.Gayathri AP

- Attended a one day workshop on Providing Urban Amenities to Rural areas-An initiation of Designing UBA Smart Villages in Sri Ram Engineering College,Chennai on 14.12.21.

Ms.R.Priya AP, Mrs.P.Dennis Flora AP & Ms.N.Chithirai Selvi AP

- Attended a one day workshop onGIS in Civil Engineering in TRM Construction – Green Nest Homes on 14.08.21.

Ms.R.Manju AP

- Attended an online FDP on "Inculcating Universal Human Values in Technical Education" for five days from 31.01.2022 to 04.02.2022 conducted by AICTE and 3 webinars from 14.06.2021 to 21.07.2021.

Ms.G.Gayathri AP

- Attended 4 webinars from 14.06.2021 to 21.07.2021

Ms.P.Dennis Flora AP

- Attended an online FDP on "Thrust areas of research in Civil Engineering" from 14.06.2021 to 19.06.2021 conducted by Dr.NGP Institute of Technology and 7 more webinars from 22.05.2021 to 09.10.2021.

DEPARTMENT OF EEE

Mrs.B.Priya HoD/EEE

- Attended Online Training Programme on "Applications in PLC" conducted by NITTTR, Chennai for five days from 07.02.2022 to 11.02.2022.She has also attended 5 days- online FDP on "Inculcating Universal Human Values in Technical Education" from 06.12.2021 to 10.12.2021 conducted by AICTE.

Mrs.R.AkilandeswariAP

- Attended 4 (ATAL) FDP programmes during the period from 02.08.2021 to 24.09.2021 conducted by AICTE and 5 days- online FDP on "Inculcating Universal Human Values in Technical Education" from 31.05.2021 to 04.06.202.She has completed UHV Refresher-1 programme conducted by AICTE for five days from 07.02.2022 to 11.02.2022 and got the certificate from AICTE.

Mr.J.SathyarajAP

- Attended ATAL FDP programme on "Energy and Thermo economic Investigation in Power Generation Systems" conducted by Kingston Engineering College from 09.08.2021 to 13.08.2021.He also attended an Online Training Programme on "Electrical and Electronic Systems for Wind and Solar" conducted by NITTTR, Chennai for five days from 04.10.2021 to 08.10.2021

Ms.K.A.Muthulakshmi AP,

- Attended a webinar on "Embedded System with Robotic" conducted by Finland Labs, New Delhi on 15.09.2021.

- Attended 2 (ATAL) FDP programmes during the period from 21.06.2021 to 09.07.2021 on "MATLAB-An effective tool for academics and research" and "Machine learning applications in Micro Nano VLSI technologies" conducted by Laxminarayan Institute of Technology and Bvrit Hyderabad College of Engineering for Women

- Attended a event "Tech-Talk" on "Designing Digital Circuits with CMOS" conducted by Syed Ammal Engineering College

- Attended a Workshop on "How to Conduct the Student Induction(SIP) Program on 20.09.2021 conducted by AICTE

- Attended FDP on "Recent Advancement in Photonics and its applications" CARE College of Engineering from 27.09.2021 to 01.10.2021.

- Attended FDP on FDPOM-79 "Free Software for Collaborative Learning from 04.10.2021 to 08.10.2021 conducted by NITTTR, Chennai.

Mrs.R.RagadharshiniAP

- Attended 5 days- online FDP on "Inculcating Universal Human Values in Technical Education" from 16.08.2021 to 20.08.2021 and also attended 2 ATAL FDP programmes during the period from 25.08.2021 to 17.09.2021 conducted by AICTE.

Mrs.R.AkilandeswariAP, Mrs.R.RagadharshiniAP

- Attended an Online Training Programme on "NBA Accreditation" conducted by NITTTR, Chennai for three days from 27.09.2021 to 29.09.2021.

Ms.M.Abirami AP

- Attended a Virtual International Workshop on Privacy Preserving Artificial Intelligence Techniques for machine learning in Dr.Mahalingam college of Engineering and Technology on 26-11-21 to 27-11-21.

Mr.J.Sathyaraj AP, Mrs.R.Ragadharshini AP

- Attended an Online Training Programme on "Lab View and MATLAB Programming" conducted by NITTTR, Chennai for five days from 22.11.2021 to 26.11.2021

Ms .R.Ragadharshini AP& Mrs.B.Priya HoD/EEE

- Attended a one day Workshop on MATLAB in VI Micro Systems ,Chennai on 15-12-2021.

Ms .K.A.Muthulakshmi AP& Mr.J.Sathyaraj AP

- Attended a Three day Workshop on Emerging Trends in Intelligent Technologies and Computing Systems for Healthcare Services and management in Mepco Schlenk Engineering College,Sivakasi on 17-02-22 to 19-02-22.

Ms .C.Nanthini AP,

- Attended a Three day workshop Workshop on Ethical hacking in MIET Engineering College, trichy on 27-04-22 to 29-04-22.

Ms.S.Ragabrintha AP & Mr.A.Abdul Baseeth AP

- Attended a one day workshop on IOT in Excel Engineering college,Kumarapalayam on 31-05-2022.

DEPARTMENT OF ECE

Mrs.R.Yogeshwari AP

- FDP on "Recent Advancement in Photonics and it's applications" (ii) NPTEL Course on "Fundamentals of MIMO Wireless Communication" during January 2022 to March 2022 and got the certificate of Elite under "Swayam" course, UHV FDP programme

conducted by AICTE from 20.12.2021 to 24.12.2021,FDP programme on "Recent developments in IoT" conducted by Institute of Engineering and Management from 17.01.2022 to 21.01.2022.

Mrs.R.Yogeshwari AP, Ms.V.Nithyapoorani AP

- Attended a 3 days online workshop on "Emerging trends in intelligent technologies and computing systems for healthcare services and management" conducted by Mepco Schlenk Engineering College, Sivakasi from 17.02.2022 to 19.02.2022.

Mrs.R.Yogeshwari AP, Ms.P.Keerthana AP

- Attended two 5 days- Online Training Programme on "Lab View and MATLAB Programming" from 22.11.2021 to 26.11.2021 and "Soft Skills" from 21.02.2022 to 26.02.2022 conducted by NITTTR, Chennai.

Mrs.R.Yogeshwari AP, Ms.V.Nithyapoorani AP &Ms.P.Keerthana AP/ECE

- Completed a Short Term Training Programme on "Emerging Trends and Research Challenge in Deep Learning Applications" from 21.02.2022 to 26.02.2022 conducted by Sri Venkateswara College of Engineering.

Ms.P.Keerthana, AP

- Attended a one day workshop on IOT in Excel Engineering college,Kumarapalayam on 31-05-2022.

Mrs.M.Suganya, AP/ECE & Ms.T.Suganthi, AP/ECE

- Attended a Three day workshop Workshop on Ethical hacking in MIET Engineering College, trichy on 27-04-22 to 29-04-22.

Ms.M.Sathya, AP& Mrs.T.K.Mohanapriya,AP

- Attended a one day Workshop on MATLAB in VI Micro Systems, Chennai on 15-12-2021.

Ms.V.Nithyapoorani AP

- Attended 2 Online Training Programme on "Problem based Teaching Learning Process" and "Soft Skills" during 25.10.2021 to 11.02.2022 conducted by NITTTR, Chennai.
- Attended 5 days- online FDP on "Inculcating Universal Human Values in Technical Education" from 06.12.2021 to 10.12.2021 conducted by AICTE

Mr.C.Palaniappan AP

- Attended a online FDP on "Photonics" conducted by the Central University of Jharkhand from 18.01.2021 to 22.01.2021.
- Presented a paper on "Multi-Hope relay based free space optical communication system for medical services" on 25.02.2022 at Mahsa International Technology and Engineering Conference

Ms.Keerthana AP

- Attended 5 days- online FDP on Inculcating Universal Human Values in Technical Education from 28.02.2022 to 04.03.2022 conducted by AICTE
- Attended a webinar on "Embedded System with Robotic" conducted by Finland Labs, New Delhi on 15.09.2021.

Ms.G.Vidya, AP

- Attended a Virtual International Workshop on Privacy Preserving Artificial Intelligence Techniques for machine learning in Dr.Mahalingam college of Engineering and Technology on 26-11-21 to 27-11-21.

DEPARTMENT OF CSE

Ms.P.Subha, ASP & Mrs.G.Sugapriya,AP

- Attended a one day workshop on IOT in Excel Engineering College,Kumarapalayam on 31-05-2022.

Mr.R.Vijay, AP & Ms.G.Sasikala, AP

- Attended a 3 day workshop on Ethical hacking in MIET Engineering College, trichy on 27-04-22 to 29-04-22

Ms.S.Jayapratha, AP

- Attended a Three day Workshop on Emerging Trends in Intelligent Technologies and Computing Systems for Healthcare Services and management in Mepco Schlenk Engineering College,Sivakasi on 17-02-22 to 19-02-22.

Mrs.G.Bhuvaneswari, AP, Ms.K.Priya,AP, Ms.B.Kavipriya,AP&

Mrs.V.Yogam,AP

- Attended a Three day national workshop on Applicationa of Deep learning in computer vission in Sri Sivasubramaniya Nadar College of Engineering on 10 -02-22 to 12-02-22.

Ms.G.Bhuvaneswari.AP

- Attended 5 days- online FDP on "Inculcating Universal Human Values in Technical Education" from 28.02.2022 to 04.03.2022 conducted by AICTE.

- Ms.G.Bhuvaneswari.AP, Mrs.G.Sugapriya.AP attended ATAL FDP programme on "Cyber Security" for five days from 24.08.2021 to 28.08.2021 conducted by AICTE

Ms.B.Kavipriya,AP/CSE & Ms.K.Priyanka,AP/CSE

- Attended a Virtual International Workshop on Privacy Preserving Artificial Intelligence Techniques for machine Learning in Dr.Mahalingam college of Engineering and Technology on 26-11-21 to 27-11-21.

Ms.P.Subha AP

- Attended an online ATAL FDP programme on "Internet of Things" for five days from 01.06.2021 to 05.06.2021 conducted at National Institute of Technology, Himachal Pradesh.

- Attended 5 days- online FDP on "Inculcating Universal Human Values in Technical Education" from 26.06.2021 to 30.06.2021 conducted by AICTE

- Ms.R.Subha.AP, Ms.S.Jayapratha.AP Attended a Workshop on "How to Conduct the Student Induction(SIP) Program on 20.09.2021 conducted by AICTE

Mrs.G.Sugapriya AP

- Attended 5 days- online FDP on "Inculcating Universal Human Values in Technical Education" from 26.07.2021 to 30.07.2021 conducted by AICTE

- Attended an Online Training Programme on "Data Networking Program" from 25.10.2021 to 29.10.2021 conducted by NITTTR, Chennai.

- Has completed UHV Refresher-1 programme conducted by AICTE for five days from 07.02.2022 to 11.02.2022 and got the certificate from AICTE.

Ms.S.Jayapratha AP

- Attended 5 days- online FDP on "Inculcating Universal Human Values in Technical Education" from 14.06.2021 to 18.06.2021 conducted by AICTE

- Attended ATAL FDP programme on "Introduction to Quantum Computing" for five days from 07.02.2022 to 11.02.2022 conducted by Tripura University and she also attended Online Training Programme on "Free software for collaborative learning" conducted by NITTTR, Chennai for five days from 04.10.2021 to 08.10.2021.

Ms.K.Priyanka AP

- Attended a national level workshop on "Applications of Deep Learning in Computer Vision" conducted by SSN College of Engineering, Chennai for 3 days from 10.02.2022 to 12.02.2022.

DEPARTMENT OF SCIENCE AND HUMANITIES:

1. **Mrs.P.Alagumathi, AP/English, Mrs.T.Renugadevi, AP/Physics, Mrs.T.Annalakshmi, AP/Chemistry, Mrs.V.Vinojini, AP/Physics & Mr.R.Rajapandiyan, AP/GE** attended a Workshop on Flipped Classroom Teaching Tools in Apple Computers and Education, Perambalur on 19-11-2021.

STUDENT PARTICIPATION IN SYMPOSIUMS, WORKSHOP, SEMINAR AND CONFERENCES

1) Civil Engineering Department

Ms.Sri Vidhya,Ms.K.Meenachi,Ms.M.Sathya and Ms.K.Umemaheshwari of final year Civil Engineering attended a National level online workshop on "Disaster Management and Mitigation Plan in Highway" on 24.10.2021 conducted by Sri Renganathar Institute of Engineering and Technology,Coimbatore.

Ms.Sri Vidhya of final year civil engineering got the **first prize** in "Master Mind Event",Ms.M.Sathya and Ms.K.Umamaheshwari of final year Civil Engineering Won the **second prize** in "Affix Event" in a National Level Technical Symposium organized by CARE College of Engineering,Trichy on 18.10.2021.

Ms.K.Meenachi,Ms.M.Sathya,Ms.S.Sri Vidhya and Ms.K.Umamaheshwari attended a Workshop on "Science and Technology Capacity Building for Industrial Needs" conducted by Kings College of Engineering and Technology,Thanjavur for 3 days from 17.03.2022 to 19.03.2022.

2) ECE & EEE Departments

Ms.K.Thaiyalnayagi, Ms.N.Asmath hazeena, Ms.T.Jeyapriya and Ms.T.Soundarya of final year ECE attended a workshop on "Artificial Intelligence" at Galwin Technology, Trichy on 25.12.2021.

Ms.S.Anusuya of final year ECE attended a Workshop on "Embedded System" at Galwin Technology,Trichy on 28.02.2022.

Ms.K.Thaiyalnayagi and Ms.Asmath Haseena of final year ECE presented a paper on "Virtual AI Agent" and Won the 1st **prize** with a cash award of Rs.3000/- and Ms.R.Atchaya& Ms.S.Anusuya of final year ECE presented a paper on "Self Driving Car" in a National Level Technical Symposium organized by Mount Zion College of Engineering and Technology on 17.05.2022.

Ms.N.Arthi & other 7 students of EEE department participated in the aptitude test conducted by "Yavarum Keleer" on 14.03.2022.

Ms.N.Asmath Haseena and Ms.P.Soundarya from IV year ECE got the **3rd Prize** with a cash award of Rs.500 by presenting a paper on "Honeypot" in a National Level Technical Symposium conducted by EEE department of Shanmuganathan Engineering College, Arasampatti, Pudukkottai on 03.06.2022. In this Symposium, Ms.R.Atchaya, and Ms.A.Arivarasi from IV year ECE and Ms.M.Pavithra of III year EEE, presented a paper on "Design and Development of Hybrid Vehicle" and they got the **2nd prize** with a cash award of Rs.400 in a "Technical Quiz" event.

3) CSE Department

Ms.J.Helan of 3rd year CSE attended an online Workshop on "Cyber Security" conducted by Intel India on 12.05.2021.

Ms.T.Jeyanthini and other five students from final year CSE attended an online National Level Workshop on "Centroid of Engineering in AI and ML for three days from 12.08.2021 to 14.08.2021 organized by Sri Venkateshwara College of Engineering, Chennai.

Ms.M.Annapoorani, Ms.B.Fahmidha, Ms.S.Gulnas Fathima and Ms.J.Helan of third year CSE , Ms.S.Abirami, Ms.I.Fefina and Ms.T.Jeyanthini of final year CSE participated in an online quiz on C Programming conducted by Santhiram Engineering College, AndhraPradesh on 18.08.2021.

Ms.S.Kalaivani and Ms.S.Sabha Ayesha of 2nd year CSE attended an online course on C programming Language for one month from 29.09.2021 to 30.10.2021 conducted by Galwin Technologies, Trichy.

Ms.T Jeyanthini of final year CSE attended an online event on "Code the Pattern" conducted by Jeppier Institute of Technology, Chennai on 03.11.2021.

A total of 13 students of final year CSE attended a Workshop on "Science and Technology Capacity Building for Industrial needs" from 17.03.2022 to 19.03.2022 at King's College of Engineering, Thanjavur.

A total of 6 batches of 3rd year CSE, Ms.D.Dharshini and R.Sneha presented a paper on "Artificial Intelligence", Ms.J.Rilwana Parveen and C.Saranya presented a paper on "Online Grievance Handling System", Ms.R.Roopina and A.Arunnavameena presented a paper on "A food waste management system", Ms.R.Niroshika and S.Suriya Jothi presented a paper on "Student Result Management System", Ms.S.Gulnas Fathima and D.Santhi presented a paper on "Conversation Marketing Guide", Ms.J.Helan and K.Ranjani presented a paper on "Mini Voting System" in a National Level Technical Symposium at Alagappa Chettiar Government College of Engineering and Technology, Karaikkudi on 22.04.2022.In this symposium, Ms.B.Fahmidha of III CSE got the **First Prize** in "Q-Factorial" Event and Ms.R.Niroshika of IIIrd year CSE got the **Second Prize** in "Code Utopia" Event.

Ms.B.Fahmidha of IIIrd year CSE presented a paper on "Crypto Currency", Ms.S.Parameshwari of IIIrd year CSE presented a paper on "A Food Waste Management System" and Ms.S.Kalaivani, P.Nandhini and P.Prasannadevi of IInd year CSE presented a paper on "Bluejacking"

on12.05.2022 at Mount Zion College of Engineering and Technology,Pudukkottai.

Ms.M.Nivetha and A.Sivasangavi of Final year CSE presented a paper on "Self-monitoring system for vision-based application using deep learning" and **Wonthe First Prize**; Ms.K.Sushmeena, Ms.C.Niranjana Devi, M.Nivetha and A.Sivasangavi of final year CSE and Ms.S.Kalaivani, Ms.C.Subashini from second year CSE got the **Second Prize** in "Connections" event in a National Level Technical Symposium at Mother Teresa College of Engineering and Technology, Pudukkottai on 28.05.2022. In this Symposium, Ms.K.Sushmeena and Ms.C.Niranjana Devi of Final year CSE presented a paper on "College Management System".

Ms.K.Kaviyaselvi and Ms.S.Puviyarasi of Final year CSE got the**2nd Prize** with a cash award of Rs.750 by presenting a paper on "Smart Classroom Attendance System using face recognition" in a National Level Technical Symposium conducted by ECE Department of Shanmuganathan Engineering College, Pudukkottai on 31.05.2022. In this Symposium, Ms.M.Lakshmi Prabha and Ms.S.Puviyarasi of Final year CSE got the **First Prize** with a cash award of Rs.750 in "Connections" event, Ms.P.Dayana and Ms.G.Muthulakshmi of third year CSE presented a paper on "Wireless Networking", Ms.A.Arunnavameena and three other students from third year CSE attended a technical quiz on "General Topics" and also they participated in "Connections" event.

Ms.S.Evanjelin and Ms S.Bhuvaneswari of Final year CSE presented a paper on "Self Monitoring System for Vision based Application using Machine Leaning", Ms.T.Jayanthini, and Ms.S.Kowsalya of Final year CSE presented a paper on "Online Knowledge Assessment", Ms.S.Saba Ayesha and Ms.V.Hema of second year CSE presented a paper on "Artificial Intelligence", Ms.P.Prasanna Devi and Ms.M.Subashini of second year CSE presented a paper on "Virtual AI Agents", Ms.K.Kalpana and Ms.S.Vinciya Mary of second year CSE presented a paper on "Internet of Things" in a National Level

Technical Symposium conducted by CSE Department of Shanmuganathan Engineering College, Pudukkottai on 01.06.2022. In this Symposium, Ms.S.Saba Ayesha from second year CSE got the **Second Prize** in "Capture the Flag-Hacking" event, Ms.S.Kowsalya and three other students from Final year CSE participated in "Connections" event, Ms.M.Nivetha and three other students from Final year CSE, Ms.V.Hema and five other students from second year CSE participated in "Debugging" event, Ms.A.Sivasangavi and three other students from Final year CSE, Ms.M.Subashini and Ms.P.Prasanna Devi from second year CSE participated in "Master Mind" event.

Ms.S.Sabha Aysha and Ms.M.Subashini from 2nd year CSE participated in a speech competition conducted by Tamil Development Department in KKC College Pudukkottai on 03.06.2022.

CULTURAL AND SPORTS ACTIVITIES

Various sports activities were conducted to celebrate various important days and also Prizes were distributed for the students who won in the competitions held at SBECW.

The following students won prizes for competitions at various institutions

- ➢ S.Abirami, II Year/ ECE got Eighth Prize in the Essay Writing Competition in state level competition conducted by State level by Tamilnadu Kalai Ilakkiya Peru Mandram on 22.08.2021.

- ➢ S.Abitha, II Year/ ECE got Third Prize in the Drawing Competition in International Level conducted by Yavarum Kelir Thiran Valar Sangam on 24.10.2021.

- ➢ R.Roopina, III Year/CSE got Fifth Prize in the Essay Writing Competition in state level competition conducted by Kaviyarasar Kalai Tamil Sangam ,Namakkal on 26.01.2022.

- ➢ C.Arul Jenifar, III Year CIVIL got Fifth Prize in the Drawing Competition in state level competition conducted by Kaviyarasar Kalai Tamil Sangam ,Namakkal on 26.01.2022.

- M.Aashima, III Year/ ECE Second Prize in the Drawing Competition in state level competition conducted by State level Tamil Sangam, Namakkal on 26.01.2022.

- R.PriyaDharshini, IV Year/ CSE got second Prize in the Drawing Competition in International Level conducted by Yavarum Kelir Thiran Valar Sangam on 20.02.2022.

- S. Sneha, IV Year/ EEE got Second Prize in the Drawing Competition International Level conducted by Yavarum Kelir Thiran Valar Sangam on 24.04.2022.

- V.Ragavi, IV Year/ CIVIL got First Prize in the Poetry Competition in International Level conducted by Yavarum Kelir Thiran Valar Sangam on 26.06.2022.

- M.Rajapraba, IV Year/ CSE got Second Prize in the Essay Writing in state level competition conducted by Nadar saraswathi College of Engineering& Technology held on 15.07.2022.

Certificate Courses / Value Added Courses Offered

The following Certificate courses/Value Added Courses have been conducted by our faculty members/External experts for various programmes during the Odd and Even Semester of the academic year 2021-22.

Department of Civil Engineering

(Odd Semester)

"Development & Application of Special Concrete" conducted by T.R.M Constructions - 20 CIVIL Students.

(Even Semester)

"Remote Sensing and GIS in Civil Engineering" conducted by Department of CIVIL- 20 CIVIL Students.

Department of EEE

(Odd Semester)

"Electrical Vehicle Engineering" and "Recent trends in power engineering".

"Energy Auditing on Domestic Application" conducted by SD Pro Solutions - 27 EEE Students.

(Even Semester)

"Basic Circuit Analysis and Design", "Energy management systems" and "Solar Energy: Provocate (PV) Energy Conversion".

Electrical Safety conducted by Department of EEE, SBECW - 25 EEE Students.

Department of ECE

(Odd Semester)

"PLC Programming" and "Aurdino" Fundamentals of MATLAB and its Uses conducted by Marcello Tech - 32 ECE Students.

(Even Semester)

"Introduction of IOT and its applications" and "PIC Microcontroller" Different Methodologies for IC Design conducted by Dept of ECE , SBECW- 32 ECE Students.

Department of Science and Humanities

(Odd Semester)

"Foundation of computing" conducted by Notus Soft Solution - I Year-48 Students.

(Even Semester)

"Aptitude and Reasoning" conducted by Department of S & H- I Year-48 Students.

Department of CSE

"Introduction to net programming", "Web application Development: Basic concepts", "Blockchain and its applications", "Learn Python-Tutorial for Beginners", "C Programming Paradigms" and "Mastering Java"

(Odd Semester)

Machine Learning with Python conducted by Rooboo Tech

(Even Semester)

R Language Basics conducted by Department of CSE, SBECW

PLACEMENT:

➤ In the academic year 2020-2021, 47 students were placed in leading companies such as **Greentech structural constructions, Sri Kamatchi construction, FOXCONN, Phase Acoustics, Just dial, Focus edumatics, Hitech arai pvt ltd, Phase Acoustics pvt ltd, APA Engineering pvt ltd, Karya Technology and 2 students have gone for higher studies.**

MoU's Signed

We have been signing MoU's with industries mainly for the benefit of the students and to get practical knowledge in the trending technological advancement in the fields of various branches of engineering, to impart on the spot training,to enhance with value added courses etc.

This year we signed MoU's with

- E-Soft IT Solutions, Trichy
- Pantech Proed Pvt Ltd, Trichy
- Marcello Tech, Trichy
- Devi Constructions, Pudukkottai
- GALWIN Technology, Trichy.

FUTURE PLANS

    (1) Planning to start PG courses

    (2) Ladies hostel exclusively for Engineering Students

    (3) Planning to go for NAAC accreditation

CONCLUSION

Now it is high time for me to conclude the annual report for the academic year 2021-2022.All the conclusions are blessed when they are offered to the feet of almighty. All conclusions are gist of achievements and such achievements are not possible without the blessings of the almighty.

Our sincere thanks to our Chairman for his leadership and constant support inspire us always.

Thanks to the Secretary for his guidance and pushing forward the morale of the entire institution.

My special thanks to our correspondent Er.N.Kanagarajan for taking keen interest in the development of the engineering college; both academic and infra facilities.

I thank all the Trust members for their efforts and support made to the development of our college.

I am extremely proud of the dedicated team of teaching and non-teaching staff, whose dedication and hard work are appreciated by all. Let us congratulate and thank them for their effort and hard work.

Thanks to the students and their parents for their continued co-operation.

My special thanks and congratulations to all those who are associated with our Institution for its progress in one way or other.

Thank You.

Dated: 16th June 2022   **PRINCIPAL**

                                                  (Dr. S. Thilagavathi)