



# **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

**ACADEMIC YEAR**  
**2021-2022**





## SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurichi, Pudukkottai-622 303

### IQAC ANNUAL REPORT FOR ACADEMIC YEAR 2021-2022

An Annual Report of IQAC is prepared based on the academic activities in the institution for the academic year 2021-2022. IQAC sessions are held regularly, and the recommendations provided by members are documented in the meeting minutes.

#### **NEW INITIATIVES:**

- MoU have been signed with total number of 12 companies and 1 academic institution including AI frame, Notus soft solutions, E soft IT solutions, Apple computer Education, Meckteck Research, Marcello Tech, Indiguard systems pvt ltd, Galwin Technology, Pantech Proed Pvt Ltd, Power Integrated Solutions, Stepup Controls & SD Pro Solutions Pvt and Parisutham Institute of technology and sciences, Thanjavur.

#### **UNIVERSITY RESULTS:**

- Around 97.01% (65 Graduates/67 Appeared) of graduation in the academic year 2020-2021.

#### **RESEARCH AND DEVELOPMENT ACTIVITIES:**

- A total of 5.033 lakhs was received towards endowment in the form of consultancy activities from various organizations.
- Our College sponsored fund Rs.31,350/- for 43 faculty members attending various activities like FDP, Seminars, Workshop and conferences.
- 50 Alumni's attended the Alumni meet conducted on 08.10.2021 at SBECW Campus.
- Dr.S.Thilagavathi, Principal/Civil Department published in the journal titled 'Non Linear Regression Model For Compressive Strength of Silica Fume Concrete', International Journal for Research in Engineering Application & Management (IJREAM), ISSN number 2454 – 9150.
- Ms.R.Manju, AP/CIVIL published in the journal titled 'An Experimental Study of Waste Water Treatment By Using Natural Coagulants', International Journal for Modern Trends in Science and Technology (IJMTST), ISSN number 2455-3778 .

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- 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 published in the journal titled 'College Management System', International Journal of Advanced Research In Computer And Communication Engineering (IJARCCE), ISSN number 2319-5940.
- Mrs.G.Bhuvaneswari, AP/CSE published in the journal titled 'Smart Classroom Attendance System using Face Recognition', International Journal of Advanced Research In Computer And Communication Engineering (IJARCCE), ISSN number 2319-5940.
- 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.
- 150 papers were published in the conference proceedings from various departments on various topics.
- 48 teaching and 20 non-teaching staff members participated in FDP, seminars and workshops organized by reputed institutions from various departments.

  
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## VALUE ADDED COURSE ORGANIZED:

### ODD SEMESTER:

- Machine Learning With Python conducted by Rooboo Tech -71 CSE&IT Students.
- Development & Application of Special Concrete conducted by T.R.M Constructions - 20 CIVIL Students.
- Fundamentals of MATLAB and its Uses conducted by Marcello Tech - 32 ECE Students.
- Energy Auditing on Domestic Application conducted by SD Pro Solutions - 27 EEE Students.
- Foundation of computing conducted by Notus Soft Solution - I Year-48 Students.


### EVEN SEMESTER:

- R Language Basics conducted by Department of CSE, SBECW- 69 CSE Students
- Remote Sensing and GIS in Civil Engineering conducted by Department of CIVIL- 20 CIVIL Students.
- Different Methodologies for IC Design conducted by Dept of ECE ,SBECW- 32 ECE Students.
- Electrical Safety conducted by Department of EEE, SBECW - 25 EEE Students.
- Aptitude and Reasoning conducted by Department of S & H- I Year-48 Students.

## SEMINARS ORGANIZED FOR STUDENTS:

The following seminars are organized during the academic year 2021-2022 ODD semester.

- Department of CIVIL conducted online Research Methodology seminar '**Rudiments of IS Codes and Standards**' on 24.12.2021 for 18 students.
- Department of CSE conducted seminar '**Recent Innovations in Big Data Analytics using Hadoop**' on 27.12.2021 for 66 students.
- Department of CSE conducted online Research Methodology seminar '**Android App Development**' on 18.12.2021 for 69 students.

  
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- Department of ECE conducted Research Methodology seminar **‘Innovations in Recent Industrial Applications’** on 27.12.2021 for 26 students.
- Department of EEE conducted Research Methodology seminar **‘Optimizing Energy Consumption Management’** on 17.11.2021 for 27 students.
- EDC Seminar **‘Innovative Approaches To Funding: A Guide For Women Entrepreneurs’** was conducted on 23.09.2021 for 55 students.
- IPR Seminar **‘Ethical considerations in AI AND IPR’** was conducted on 16.12.2021 for 44 students.

**The following seminars are organized during the academic year 2021-2022 EVEN semester.**

- Department of CIVIL conducted Research Methodology seminar **‘Modern Technologies Adopted in Building Planning and Designing’** on 29.04.2022 for 19 students.
- Department of ECE conducted Research Methodology seminar **‘Recent Trends in Image Processing and its Applications’** on 21.05.2022 for 31 students.
- EDC Seminar **‘Balancing Act: Managing Work-Life Integration in Women's Entrepreneurship’** was conducted on 30.03.2022 for 56 students.
- IPR Seminar **‘IPR for Entrepreneurs and Startups’** was conducted on 23.04.2022 for 134 students.

### **TRAINING PROGRAMMES FOR STUDENTS:**

The Soft Skill, language and communication, life skill and ICT programs were conducted for our students by using provisional resource person and also alumni students.

### **ODD SEMESTER:**

- Soft skills Training Program on **“Leadership and Interpersonal skill”** was conducted on 31.11.2021 for 52 students.
- Life Skill Program on **“Menstrual Hygiene”** was conducted on 20.09.2021 for 139 students.



- Language and Training Programme on **“7C of Communication”** was conducted on 17.12.2021 for 49 students.
- ICT Skill Development Programme on **“Integrating Google Workspace with Other Applications”** was conducted on 10.12.2021 for 65 students.

#### **EVEN SEMESTER:**

- Soft skills Training Program on **“Personality Development”** was conducted on 22.03.2022 for 138 students.
- Life Skill Program on **“Millets and ITS uses”** was conducted on 03.03.2023 for 115 students.
- Language and Training Programme on **“Importance of English Language in ICT ERA”** was conducted on 04.02.2022 for 91 students.
- ICT Skill Development Programme on **“Demo on MAT lab applications”** was conducted on 13.05.2022 for 70 students.

#### **WORKSHOP ORGANIZED:**

#### **EVEN SEMESTER:**

- Department of EEE conducted Research Methodology workshop **‘Modern trends in Smart Grid’** on 07.05.2022 for 24 students.

#### **FDP/CONFERENCE ORGANISED:**

- The National conference **“Emerging Trends in Multi-Disciplinary Engineering Fields (NCETMEF-2022)”** were organized on 18.02.2022.
- Department of ECE was conducted Two Day Professional Development programme on **“NAAC Accreditation – Procedures and Processes”** from 24-06-2022 to 25-06-2022 for faculty members.
- Department of EEE was conducted One Day Online Professional Development programme on **“Mentoring and Methods of Counseling”** on 4/12/2021 for faculty members.
- Department of Science and Humanities was conducted One Day Management development programme on **“Employee Motivation and Satisfaction”** on 14-08-2021.

#### **STUDENT ACTIVITIES:**

- Our students were participated Symposium, workshops and seminars in various engineering colleges.

  
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## STUDENTS ACHIEVEMENTS:

- 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 **Won the 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.
- Ms.K.Kaviyaselvi and Ms.S.Puviarasi of Final year CSE got the **2<sup>nd</sup> 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.Puviarasi of Final year CSE got the **First Prize** with a cash award of Rs.750 in “Connections” event.
- 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.
- 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.
- 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.

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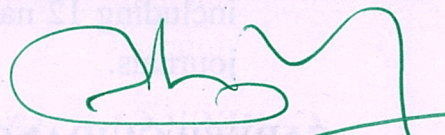


- C.Arul Jenifar, III Year CIVIL got Fifth Prize in the Drawing Competition in state level competition conducted by Kaviyarasar Kalai Tamil Sangam ,Namakkal on 26.01.2022.
- M.Aashima, III Year/ ECE Second Prize in the Drawing Competition in state level competition conducted by State level Tamil Sangam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

### **STUDENTS ATTENDED INTERNSHIP/INDUSTRIAL VISIT:**

#### **Industrial Visit:**

- Our students attended Symposium, workshops and seminars in various engineering colleges.
- An industrial visit comprising of KELTRON, IT Company, Cochin, Lulu Mall and Vagamom around Cochin was Undertaken by 49 students of CSE department accompanied by 4 Staff members on 13& 14<sup>th</sup> April 2022.
- 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.

  
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### **Internship:**

- All department students were participated in internship/ inplant training in various industries such as BSNL, Shabee Constructions, SD pro solutions, Stepup Controls, Galwin Technology, Hitech solutions, etc.

### **NSS/YRC & RRC ACTIVITIES:**

- Rights and duties of voting –Door to Door meeting (9-9-21), Pledge Against Spread of Dengue Infections (5-10-21), Temple Cleaning Program (18.9.2021), Fire and Safety Awareness Program (19-12-22), Campus Cleaning on Government Elementary School, Sathirapatti (9.4.22), Tree Plantation Programme (12.2.22), Awareness Rally for wearing Helmet (26.3.22), Health checkup at Kaikkurichi (16-6-22), & Campus cleaning at Vijayaragunathapuram Elementary School (4-3-22) totally 9 programmes were conducted through NSS.
- Covid 19 vaccination camp (14-9-21), Organ donation-A Rally for Saving Lives. (20-10-21), Green Carnival-Each one plant one (3-3-22), Stop plastic Pollution-Campaign (30-4-22) & Protection of girl child-An awareness Rally (6-5-22) totally 5 programmes were conducted by RRC.
- No tobacco – Door to Door meeting programme (2-11-21), An awareness for Data Privacy and protection (28-01-22), Medical Camp(from vallatharakottai and thiruvarangulam gh nurses came) (14-09-21), Free Diabetes detection and awareness camp (20-12-21), Carrier Guidance for higher studies to Government Higher Secondary School Students, Kalanivasal (20-04-22), Save Earth- Keep Eco Friendly environment (23-03-22), Self development and empowerment of women-To be a Change Maker-Rally(25-03-22) & Awareness for Vehicle maintenance (06-11-21) total number of 8 programmes were organized through YRC.

### **LIBRARY:**

- Our library has official membership with DELNET facility.
- The library has more than 13,474 volumes of books related to various fields of engineering and science and humanities.
- The library has a separate periodical section and has a total of 12 journals including 12 national and international journals and a large number of e-journals.

### **CAREER GUIDANCE:**

  
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- Career Guidance Programme '**Guidance For Gate Examination**' was conducted on 29.04.2022 for 141 students.
- Career Guidance Programme '**Exploring Career Opportunities with UPSC/TNPSC in civil services**' was conducted on 16.03.2022 for 142 students.
- Career Guidance Programme '**Career Development Program for Young Adults**' was conducted on 15.12.2021 for 47 students.

#### **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, AKAS infusions, Karya Technology** and 2 students had gone for higher studies.
- Our College achieved **100% (65 Placed/65 Graduates)** placement in the academic year 2020-2021.

  
**IQAC CO-ORDINATOR**



  
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