



# **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**  
**2022-2023**





## SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurichi, Pudukkottai-622 303

### IQAC ANNUAL REPORT FOR ACADEMIC YEAR 2022-2023

An Annual Report of IQAC is prepared based on the academic activities in the institution for the academic year 2022-2023. 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 TRM Constructions, Kamaal Constructions, PMP Consultants, Thanvi Engineering Consortium, Draft 360° Topo Planners & Engineering Surveyors, Marz Technologies, HiTech Electronics, Witspire, Rooboo Tech India Private Limited, Nimatooz Smile Mobility Pvt. Ltd., Hitakey Tech Solution Private Limited, PV Solar Power Tech, and Centre of Excellence in Manufacturing, National Institute of Technology, Tiruchirappalli
- AICTE has approved to start a new course B.Tech (Information Technology) for the upcoming academic year 2023-2024.

#### **UNIVERSITY RESULTS:**

- Around 100% (49 Graduates/49 Appeared) of graduation in the academic year 2021-2022.

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

- A total of 7.412 lakhs was received towards endowment in the form of consultancy activities from various organizations.
- Our College sponsored financial assistance of Rs.50,600/- for 57 faculty members attending various activities like FDP, Seminars, Workshop and conferences.
- 30 Alumni's attended the Alumni meet conducted on 03.12.2022 at SBECW Campus.
- Dr.V.Vijaya saro, AP/ECE published in the journal titled 'A Novel Approach Towards Utilization of IOT in Smart Farming', International Journal of Innovative Research In Technology (IJIRT), ISSN number 2349-6002.



- Mrs.M.Sathya, AP/ECE published in the journal titled 'Compressed sensing image reconstruction using efficient algorithm', International Journal of Multidisciplinary research transactions (IJMRT), ISSN number 2663-2381.
- Mrs.G.Sugapriya, AP/CSE published in the journal titled 'AI Enhanced OT Security Tool-Gail', International Journal of Research and Analytical Reviews (IJRAR), ISSN number 2349-5138.
- Mrs.G.Rajalakshmi, AP/CSE published in the journal titled 'Ailment Predicted System', International Journal of Research and Analytical Reviews (IJRAR), ISSN number 2349-5138.
- Ms.S.Yogalakshmi, AP/CSE published in the journal titled 'An Evaluation On Plant Disease Prediction Using Deep Learning Techniques', International Journal of Research and Analytical Reviews (IJRAR), ISSN number 2349-5138.
- 181 papers were published in the conference proceedings from various departments on various topics.
- 49 teaching and 21 non-teaching faculty members participated in FDP, seminars and workshops organized by reputed institutions from various departments.

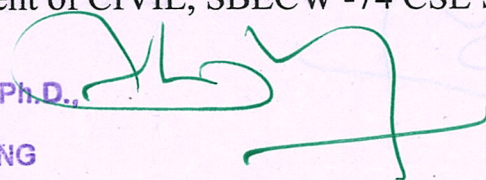
#### **VALUE ADDED COURSE ORGANIZED:**

#### **ODD SEMESTER:**

- Internet of Things with Python conducted by Galwin Technology - 74 II year EEE & CSE Students.
- Construction Safety and Practices conducted by Kamaal Constructions - 25 CIVIL Students.
- Real-time Sensor Data Processing with Python for IoT Applications conducted by Galwin Technology -31 ECE Students.
- ESP8266 Node MCU for IOT conducted by SD Pro Solutions -16 EEE Students.
- Microsoft proficiency conducted by Notus Soft solution - I Year-115 Students.

#### **EVEN SEMESTER:**

- Building Scalable Web Application with Node Js conducted by Department of CIVIL, SBECW -74 CSE Students.





- Disaster Mitigation and Preparedness conducted by Department of CIVIL, SBECW- 24 CIVIL Students.
- Recent applications in IoT USING Arduino and Raspberry Pi conducted by Department of ECE ,SBECW - 31 ECE Students.
- Real Time Applications of Arduino Uno Boards conducted by Dept of EEE, SBECW -18 EEE Students.
- Web development using online tools conducted by WitSpire Solutions - I Year-113 Students.

### **SEMINARS ORGANIZED FOR STUDENTS:**

**The following seminars are organized during the academic year 2022-2023 ODD semester.**

- Department of CIVIL conducted Research Methodology seminar '**Advanced Techniques in Construction Project Management**' on 31.10.2022 for 23 students.
- Department of CSE conducted Online seminar '**Artificial Intelligence and Machine Learning in Engineering Research**' on 20.09.2022 for 65 students.
- Department of ECE conducted seminar '**Research Guidances in Embedded Systems and its Applications**' on 24.09.2022 for 31 students.
- Department of ECE conducted seminar '**Role of Edge Devices in IoT**' on 29.10.2022 for 30 students.
- Department of EEE conducted seminar '**Exploring the role of IoT in Smart Energy Management**' on 29.10.2022 for 18 students.
- IPR Seminar '**Patents, copyright and trademarks: A comprehensive guide to IPR protection**' was conducted on 19.11.2022 for 106 students.
- EDC Seminar '**The Rise of women-led E-commerce ventures**' was conducted on 28.09.2022 for 56 students.

**The following seminars are organized during the academic year 2022-2023 EVEN semester.**

- Department of CIVIL conducted Research Methodology seminar '**Research Methodology Seminar on Modern Construction Practices**' on 26.04.2023 for 22 students.



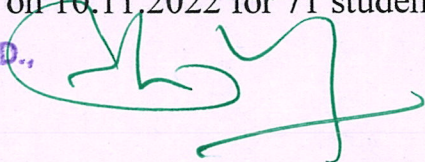
- Department of CIVIL conducted Online Research Methodology seminar '**Online Research Methodology Seminar on Sustainable Solid waste Management**' on 18.02.2023 for 23 students.
- Department of CSE conducted seminar '**A Modern Approach on Full stack development using Python and Django Framework.**' on 25.02.2023 for 68 students.
- Department of CSE conducted seminar '**Recent Trends in Android development using Full Stack**' on 13.02.2023 for 66 students.
- Department of CSE conducted seminar '**Real Time Applications of Artificial Intelligence in Recent Approaches**' on 12.01.2023 for 68 students.
- Department of ECE conducted seminar '**Recent Trends in Photonics and its Applications**' on 07.02.2023 for 31 students.
- Department of ECE conducted seminar '**Recent Challenges in Industrial IoT**' on 29.04.2023 for 31 students.
- Department of EEE conducted seminar '**Shining Light on the future: Exploring the World of Photonics**' on 07.02.2023 for 18 students.
- Department of EEE conducted seminar '**Research Outlook in Convergence of IoT and Industry 4.0**' on 29.04.2023 for 18 students.
- EDC Seminar '**Inspiring Women Entrepreneurs in Technology - Breaking the Glass Ceiling** was conducted on 13.03.2023 for 80 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 "**Empowering Girls in Leadership Skills**" was conducted on 11.10.2022 for 133 students.
- Soft skills Training Program on "**Critical Thinking**" was conducted on 30.12.2022 for 133 students.
- Life Skill Program on "**Meditation**" was conducted on 08.11.2022 for 136 students.
- Language and Training Programme on "**Modern Trends in English**" was conducted on 10.11.2022 for 71 students.





- ICT Skill Development Programme on “**Hands-on Training on Web Testing Tools**” was conducted on 05.11.2022 for 68 students.

#### **EVEN SEMESTER:**

- Life Skill Program on “**“Millets and ITS uses”**” was conducted on 03.03.2023 for 115 students.
- Language and Training Programme on “**Conversational Practices**” was conducted on 20.06.2023 for 106 students.
- Language and Training Programme on “**Modern Trends in English**” was conducted on 10.11.2022 for 71 students.
- ICT Skill Development Programme on “**Simulation and Analysis Tools in CAD**” was conducted on 23.02.2023 for 43 students.

#### **WORKSHOP ORGANIZED:**

#### **ODD SEMESTER:**

- Department of EEE conducted Workshop ‘**Research Challenges in Embedded Systems**’ on 24.09.2022 for 18 students.

#### **EVEN SEMESTER:**

- IPR Workshop ‘**Intellectual Property Rights**’ was conducted on 26.04.2023 for 128 students.

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

- The National conference “**Cutting Edge Technologies in Science & Engineering (NCCETSE-2023)**” were organized on 25.04.2023.
- Department of ECE was conducted Five Day FDP on “**Cutting Edge Technologies in Engineering & Research**” from 12.06.2023 to 16.06.2023 for faculty members.
- Department of Science and Humanities was conducted Two Day ADP on “**Art of Human Living In Current Scenario**” from 20.12.2022 to 21.12.2022.

#### **STUDENT ACTIVITIES:**

- Our students attended Symposium, workshops and seminars in various engineering colleges.
- V.Hema, M.Subashini, C.Subashini, R.Vaishnavi, S.Akalya, S.SabhaAysha, S.SivaHrarini D.Sivagami and S.Vincia Mary of III CSE



Published papers on international conference in Emerging Trends in Electrical, Electronics and Communication Technology (ICETEECET-2023)

- V.Arunnavameena, P.Dayana, S.Parameswari, B.Fahmida, S.Gulnas Fathima, R.Nioshika, R.Keerthana, K.Ranjani and S.Abinaya, J.Rilwana Parveen, C.Saranya, S.Suriyajothi, D.Dharshini, G.Muthulakshmi, B.Sandhiya, M.Annapoorani, M.Muthumeenakshi, D.Santhi, J.Helan, R.Roopina and R.Sneha of Final Year CSE published papers in international conference on Information and Communication Engineering (ICICE2023).

### STUDENTS ACHIEVEMENTS:

- Ragavi.V and Priyadarshini.K of final year civil presented a paper in a National level Technical Symposium at Chenduran college of Engineering on 03.03.2023 and secured THIRD PRIZE WITH A CASH AWARD OF RS 500/-.
- Aruljenifar.C of final year civil won FIRST PRIZE in code cracking at Chenduran college of Engineering on 03.03.2023.
- K.Sasika of final year ECE has got FIRST PRIZE in English Essay Writing and CASH AWARD OF RS.3000 from Arivial Sangam on 09.09.2022 and Seven Final year ECE students participated in the same event.
- V.Ragavi of final year ECE has got THIRD PRIZE AND CASH AWARD OF RS.1000/- in the Tamil Essay Competition organized by the Arivial Sangam on 09.09.2022.
- Aashika.R and Sivaranjani.S of final year EEE secured SECOND PRIZE AND CASH AWARD of Rs.1000 in project Expo in a national level Technical Symposium held at Mookambigai College of Engineering on 24.03.2023.
- S.Sabha Aysha of III Year CSE got SECOND PRIZE in “ Capture the Flag” in a national level Technical Symposium held at Shanmuganathan Engineering College on 01.06.2022.
- P.Prasannadevi of III CSE got THIRD PRIZE in “Cyber Ethnicity” held at a national level Technical Symposium in Mount Zion Engineering College on 20.10.2022.
- C.Subashini got FIRST PRIZE AND SHIELD in “ Superficio” and P.Prasanna Devi got SECOND PRIZE in “Creators corner” of III Year CSE held in a national level Technical Symposium at Alagappa Chettiar Government Engineering College on 26.04.2023.
- C.Subashini of III Year CSE got FIRST PRIZE in “ Paper presentation” and SECOND PRIZE in “ Connexion” , Helan, Roopina and Sneha of III CSE got THIRD PRIZE in “ Paper presentation” , and T.Vanathi of



III CSE got THIRD PRIZE in “ QUIZ” held in a national level Technical Symposium at Mahath Amma Engineering College on 28.04.2023.

- P.Nandhini of III CSE Got SECOND PRIZE and CASH WASRD OF RS 3000/- at Essay Writing in International Conference on Sir C.V.Raman Event held on 09.09.2022 and around 21 CSE Students participated in that event.
- M.Pavithra, I/ECE got shield and third prize in Essay writing in state level competition conducted by Nadar saraswathi College of Engineering& Technology held on 15.7.2023.
- S.Subadharshini, II/CSE got shield and first prize in Poetry in state level competition conducted by Nadar saraswathi College of Engineering& Technology held on 15.7.2023.
- D.Dharshini, IV/CSE got shield and second prize in essay writing in state level competition conducted by Nadar saraswathi College of Engineering& Technology held on 15.7.2023.
- J.Rilwana Parveen, IV/CSE got consolation prize in drawing in state level competition conducted by Sriram Elakkiya Kazhagam held on 30.10.2022.
- P.Nandhini, III/CSE got third prize in essay writing in state level competition conducted by Sriram Elakkiya Kazhagam held on 30.10.2022.

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

#### **Industrial Visit:**

- An industrial visit was arranged for civil students on 02<sup>nd</sup> September 2022 to Fire station- Aranthangi and Taluk office –Alangudi.
- 15 students of EEE and 25 students from ECE accompanied by 4 staff members visited Bharat Heavy Electrical Limited, Tirumayam, pudukkottai on 29<sup>th</sup> October 2022.
- An industrial visit was organized for civil department students on 03<sup>rd</sup> March 2023 to paramanthur barrage, Aranthangi railway station, Aqueduct, Sluice and Conduit at Avudaiyarkovil to have practical exposure at live sites.
- An industrial visit comprising of Vikram Sarabhai space centre (ISRO), Thiruvananthapuram, Napier Museum, Zoo, Kanakakunnu Palace around Thiruvananthapuram was Undertaken by third and final year students of ECE, CSE, EEE and Civil department accompanied by 10 Staff members on 31<sup>st</sup> March 2023 and 1<sup>st</sup> April 2023.

#### **Internship:**

- Total 6 final year Civil students were participated in 1 month Inplant training at Shabee Constructions.
- Total 4 final year Civil students were participated in 1 month Inplant training at PMP Consultants.



- Total 6 third year Civil students were participated in Internship training at Water Resources Department, Viralimalai.
- Total 4 second year Civil students were participated in 10 days Inplant training at Shabee Constructions.
- Total 4 second year Civil students were participated in 10 days Inplant training at Kamaal Constructions.
- Total 15 final year CSE students and also 6 final year CSE students were participated in 15 days “Machine Learning” and “Cyber Security” internship at Notus Soft Solutions.
- Total 20 third year CSE students were participated in 15 days “Python Programming” internship at WITSPIRE.
- Total 29 second year CSE students were participated in 15 days “Block Chain Technologies to Develop DAPP using Solidity Coding” internship at Notus Soft Solutions.
- Total 10 final year ECE students were participated in 15 days “Python Programming” internship at WITSPIRE.
- Total 10 final year ECE students were participated in 15 days “Python Programming” internship at WITSPIRE.
- Total 09 third year ECE students were participated in 15 days “Python Programming Language” internship at WITSPIRE.
- Total 06 second year ECE students were participated in 10 days “Embedded Systems” internship at Galwin Technology.
- One second year ECE student was participated in 10 days “Robotics” internship at Kodacy.
- Total 05 second year ECE students were participated in one week “The Artificial Intelligence composition Exploring Creative Possibilities” internship at Marcello Tech.
- Total 10 final & 6 third year EEE students were participated in 15 days “Embedded System and IoT” internship at SD Pro Solutions Pvt. Ltd.
- Total 2 second year EEE students were participated in 10 days “Embedded Systems” internship at Galwin Technology.

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

- Awareness Programme on Public Legal support and services(18.05.2023), Campus Cleaning at Alagambaalburam Government Elementary School(23.3.2023), Disaster Management awareness programme(28.03.2023), Green Skills of Youth(14.10.2022),



Tree Plantation Programme(27.08.2022), Awareness rally about HIV & AIDS(31.10.2022), Preserve water, preserve life-A Campaign(23.02.2023), A drive for Electrical Safety and hazard(05.05.2023), Yoga awareness programme for school students(20.04.2023), Temple cleaning on Senthakudi(22.04.2023) & Revive your Spirit-Yoga Programme(30.06.2023) totally 11 programmes were conducted through NSS.

- Science Exhibition(01.03.2023), Rally about Digital transaction uses and benefits(03.09.2022), Door to Door meeting for creating awareness about First Aid(08.09.2022), Guidance for Civil Service Examination – Motivational Programme(21.04.2023), Eye Checkup(26.4.2023) & International white Cane day contribution for Visually challenged students education(09.09.2022) totally 6 programmes were conducted by RRC.
- Harghartiranga-Rally(11.08.2022), Blood donation Camp(23.08.2022), Human value and Gender Issue(21.09.2022), **Safety Measures in handling LPG(02.11.2022)**, Aadhar Correction camp(22.11.2022 & 23.11.2022), Health and Hygiene awareness program(16.12.2022) & E-Vehicle-Awareness Program(23.02.2023) total number of 7 programmes were organized through YRC.

### **LIBRARY:**

- The library is the vital core of an educational institution, serving as an exceptional learning resource center that addresses the continuously expanding and unwavering informational and intellectual needs of students, faculty members, and research scholars.
- The library has more than 15,159 volumes of books related to various fields of engineering and science and humanities.
- Our library has official membership with DELNET facility.
- Programme on “Special Librarians: Partners in knowledge Management: Librarian’s Day” was organized on 12.08.2022 in connection with ‘National Librarian’s day’.
- The library has a separate periodical section and has a total of 48 journals including 24 national and international journals and a large number of e-journals.

### **CAREER GUIDANCE:**

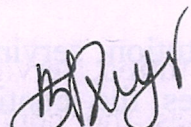
  
**Dr. S. THILAGAVATHI M.E., Ph.D.,**  
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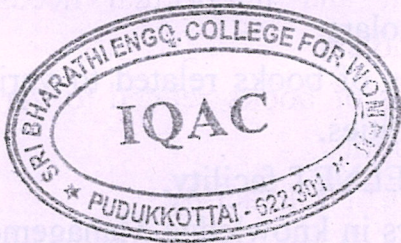


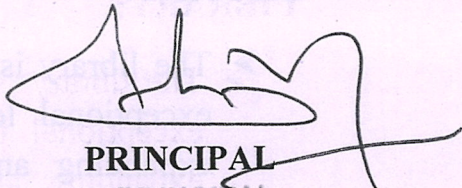
- Career Guidance Programme '**Career Opportunities In Civil Services – UPSC/TNPSC**' was conducted on 21.04.2023 for 135 students.
- Career Guidance Programme '**Guiding your career journey to success**' was conducted on 20.03.2023 for 108 students.
- Career Guidance Programme '**Navigating Career Opportunities with UPSC/TNPSC**' was conducted on 22.02.2023 for 136 students.
- Career Guidance Programme '**Tutorial on GATE Exam Preparation**' was conducted on 03.02.2023 for 135 students.
- Career Guidance Programme '**Job Opportunities for Electrical Engineer**' was conducted on 26.10.2022 for 14 students.

**PLACEMENT:**

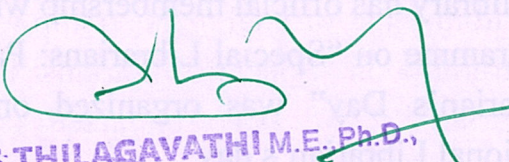
- In the academic year 2022-2023, 47 students were placed in leading companies such as **S&K Universal Electronics pvt ltd, Microchip Technology pvt ltd, Valeo India pvt ltd, TVS Electronics pvt ltd, Safety Professionals(T&C), AKAS Infusions, G tech Solutions, Fern Software, GEM3S Technologies pvt ltd, Harish Homes & Sri Kamatchi Constructions** and 2 students had gone for higher studies.
- Our College achieved **100% (49 Placed/49 Graduates)** placement in the academic year 2021-2022.

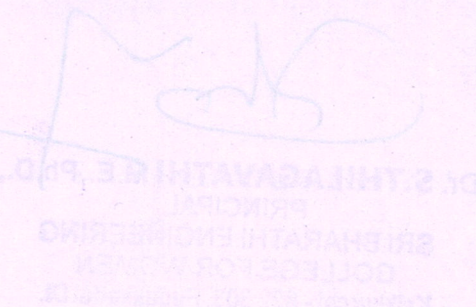
  
**IQAC CO-ORDINATOR**



  
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