



# SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
Kaikkurichi, Pudukkottai -622 303

[www.sbec.edu.in](http://www.sbec.edu.in)

## NAAC DOCUMENTS



Quality Indicator Frame Work

Criterion – 6

**Governance, Leadership and Management**

Submitted by

**IQAC**

**Internal Quality Assurance Cell**

**Sri Bharathi Engineering College for Women**



**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
**KAIKKURICHI, PUDUKKOTTAI-622303**

## **Annual Report**

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# 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 41 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.

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

SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN

- 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.Pameswari, 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 Alagambaluram Government Elementary School(23.3.2023), Disaster Management awareness programme(28.03.2023), Green Skills of Youth(14.10.2022),

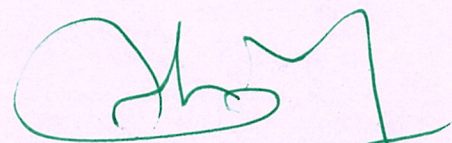
Tree Plantation Programme(27.08.2022), Awareness rally about HIV & AIDS(31.10.2022), Preserve water, preserve life-A Campaign(23.02.2023), A drive for Electrical Safety and hazard(05.05.2023), Yoga awareness programme for school students(20.04.2023), Temple cleaning on Senthakudi(22.04.2023) & Revive 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:**

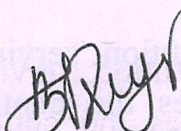


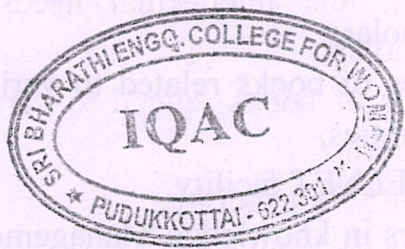
Dr. **S.THILAGAVATHI** M.E., Ph.D.,  
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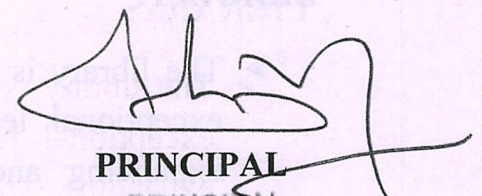
- Career Guidance Programme ‘**Career Opportunities In Civil Services – UPSC/TNPSC**’ was conducted on 21.04.2023 for 135 students.
- Career Guidance Programme ‘**Guiding your career journey to success**’ was conducted on 20.03.2023 for 108 students.
- Career Guidance Programme ‘**Navigating Career Opportunities 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:**

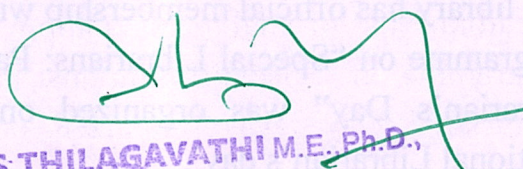
- In the academic year 2022-2023, 47 students were placed in leading companies such as **S&K Universal Electronics pvt ltd, Microchip Technology pvt ltd, Valeo India pvt ltd, TVS Electronics pvt ltd, Safety Professionals(T&C), AKAS Infusions, G tech Solutions, Fern Software, GEM3S Technologies pvt ltd, 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**



  
**PRINCIPAL**

**PRINCIPAL**  
**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
 KAIKKURICHI - 622 303.  
 PUDUKKOTTAI DISTRICT

  
**Dr. S.THILAGAVATHI M.E., Ph.D.,**  
**PRINCIPAL**  
**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
 Kaikkurichi - 622 303, Pudukkottai Dt.

# 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 42 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 .

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

SRI BHARATHI ENGINEERING  
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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.Bhuvaneshwari, 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.

  
**Dr. S.THILAGAVATHI M.E., Ph.D.,**  
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 Kalkkurochi - 622 303, Pudukkottai DL



## 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.

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

PRINCIPAL

SRI BHARATHI ENGINEERING  
COLLEGE FOR

Kaikkurci. - 626 003, Tamil Nadu

- 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.Kaviaselvi and Ms.S.Puviyarasi 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.Puviyarasi 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 Vagamon 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.

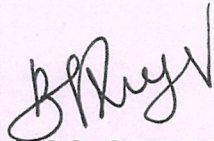
### **CAREER GUIDANCE:**

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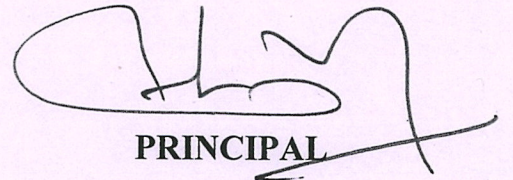
- Career Guidance Programme '**Guidance For Gate Examination**' was conducted on 29.04.2022 for 141 students.
- Career Guidance Programme '**Exploring Career Opportunities with UPSC/TNPSC in civil services**' was conducted on 16.03.2022 for 142 students.
- Career Guidance Programme '**Career Development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



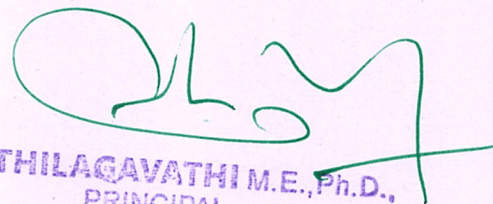
**IQAC CO-ORDINATOR**

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# ACADEMIC YEAR

2020-2021





## SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurichi, Pudukkottai-622 303

### IQAC ANNUAL REPORT FOR ACADEMIC YEAR 2020-2021

An Annual Report of IQAC is prepared based on the academic activities in the institution for the academic year 2020-2021. 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 2 companies including Fantasy Solutions & VI Microsystems Ltd.

#### UNIVERSITY RESULTS:

- Around 97.05% (66 Graduates/68 Appeared) of graduation in the academic year 2019-2020.

#### RESEARCH AND DEVELOPMENT ACTIVITIES:

- A total of 2.7975 lakhs was received towards endowment in the form of consultancy activities from various organizations.
- Our College sponsored fund Rs.13,000/- for 18 faculty members attending various activities like FDP, Seminars, Workshop and conferences.
- Mrs.R.Yogeshwari, AP/ECE published in the journal titled 'Artificial Vision Aid For Blind People Using Optical Character Recognition', Journal of Information And Computational Science, ISSN number 1548-7741.
- Ms.K.A.Muthulakshmi, AP/ECE published in the journal titled 'Phase Measurement Technique for Synchronous Devices in FPGA Using XOR Gates', International Journal of Electronic Devices and Networking (National Conference on Signal Processing, Communication & Networking-2021), ISSN number 2708-4477.
- Ms.K.A.Muthulakshmi, AP/ECE published in the journal titled 'Implementation of An Efficient Multiplier Using Dadda Algorithm', Journal of Information And Computational Science, ISSN number 1548-7741.

  
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- Mr.C.Palaniappan, AP/ECE published in the journal titled 'Implementation of Arithmetic Logic Subsystem in a Sliced Processor', Annals of the Romanian Society for Cell Biology, ISSN number 1583-6258.
- Mrs.V.Nithya Poorani, AP/ECE published in the journal titled 'IOT based Robust Method for Smart Industry Pollution Monitoring and Controlling System', Journal of Information And Computational Science, ISSN number 2455-3778.
- Mrs.R.Padma Rani, AP/CSE published in the journal titled 'Numerical simulation on Reinforced Concrete Beam With Different Cover Size Under Two Point Bending Load', International Journal for Modern Trends in Science and Technology, ISSN number 2455-3778.
- Ms.P.Subha, AP/CSE published in the journal titled 'Secure Electronic Health Record Sharing With Sensitive Base Access Control', International Journal of Advanced Research in Computer and Communication Engineering, ISSN number 2319-5940.
- Ms.G.Bhuvaneswari, AP/CSE published in the journal titled 'IOT Enabled Smart Voting System using Face Biometric Features', Journal of Information and Computational Science, ISSN number 1548-7741.
- Ms.G.Bhuvaneswari, AP/CSE published in the journal titled 'Bus Pass Registration and Renewal System', Journal of Information and Computational Science, ISSN number 1548-7741.
- Ms.G.Sugapriya, AP/CSE published in the journal titled 'Face Biometrics by Own Password in Online Social Networks', Journal of Information and Computational Science, ISSN number 1548-7741.
- Ms.S.Jayapratha, AP/CSE published in the journal titled 'An efficient encrypted medical data storage using two clouds with duplicate data generation techniques', International Journal of Advanced Research in Computer and Communication Engineering, ISSN number 2319-5940.
- Mrs.G.Sasikala, AP/CSE published in the journal titled 'Deep Learning Techniques for Crop Photosynthetic from Leaf Image', Journal of Information and Computational Science, ISSN number 1548-7741.
- Mrs.G.Sasikala, AP/CSE published in the journal titled 'Gene Based Disease Prediction using Semi-Supervised Learning', Journal of Information and Computational Science, ISSN number 1548-7741.
- Ms.K.Priyanka, AP/CSE published in the journal titled 'Android Based Efficient Road Safety Measures and Driver Behaviour Monitoring

System', International Journal of Advanced Research in Computer and Communication Engineering, ISSN number 2319-5940.

- Mr.J.Sathyaraj, AP/CSE published in the journal titled 'Time based costing of energy storage system with optimal scheduling and dispatch under demand', Materials Today : Proceedings, ISSN number 2214-7853.
- Mrs.S.Susila Devi, AP/CSE published in the journal titled 'Integration of 3D MEMS Accelerometer Sensor', Annals of the Romanian Society for Cell Biology, ISSN number 1583-6258.
- Mr.S.Udhayanan, AP/CSE published in the journal titled 'A Graphical User Interface Based Heart Rate Monitoring Process and Detection of PQRST Peaks from ECG Signal', Springer, ISSN number 2193-1801.
- 83 papers were published in the conference proceedings from various departments on various topics.
- 35 faculty members participated in FDP, seminars and workshops organized by reputed institutions from various departments.

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

##### **ODD SEMESTER:**

- Rest Api With Flask And Python – 78 CSE&IT Students.
- Smart Materials and Measuring Techniques conducted by Kamaal Constructions - 27 CIVIL Students.
- Applications of CNC Machine in Electronics Industry conducted by Spiderman PVC Private Limited -40 ECE Students.
- Energy Consumption Modeling In Electric Vehicle conducted by Power Integrated Solutions PVT LTD - 27 EEE Students.
- Linux operating system conducted by MECK TECK Research Foundation- I Year 36 Students.

##### **EVEN SEMESTER:**

- Deep Learning Technique With Its Algorithms conducted by NOTUS soft solutions - 78 CSE&IT Students.
- Construction Management Techniques conducted by Shabee Constructions -27 CIVIL Students.
- Emerging Technologies of Bio Signal Processing in VLSI conducted by Spiderman PVC Private Limited -40 ECE Students.
- Matlab-Basics and Programming in Electrical Engineering conducted by Stepup Controls - 27 EEE Students.

- Let's speak in English for engaging professional skills conducted by Department of English- I Year-35 Students.

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

**The following seminars are organized during the academic year 2020-2021 ODD semester.**

- IPR Seminar '**International Perspectives on IPR**' was conducted on 09.10.2020 for 133 students.
- EDC Seminar '**Women in Manufacturing: Breaking Stereotypes, Building Success**' was conducted on 15.09.2020 for 58 students.

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

- Department of CIVIL conducted Online Research Methodology Seminar on '**Green Construction for Sustainable Development**' on 24.04.2021 for 26 students.
- Department of CSE conducted seminar '**Servlet Programming using JSP.**' on 30.04.2021 for 72 students.
- Department of ECE conducted seminar '**Deep Learning and its Applications**' on 30.04.2021 for 40 students.
- IPR Seminar '**Exploring Challenges and Opportunities in IPR**' was conducted on 03.02.2021 for 149 students.
- IPR Seminar '**Essential Insights into IPR**' was conducted on 26.04.2021 for 31 students.
- EDC Seminar '**Strategies for Overcoming Gender Bias in Tech Entrepreneurship**' was conducted on 25.03.2021 for 53 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 "**Mastering in Multitasking**" was conducted on 10.12.2020 for 36 students.
- Life Skill Program on "**The use of Hand sanitizer and face mask**" was conducted on 07.12.2020 for 193 students.
- Language and Training Programme on "**Mastering the art of Communication**" was conducted on 09.10.2020 for 90 students.

#### **EVEN SEMESTER:**

- Soft skills Training Program on "**Stress Management**" was conducted on 19.02.2021 for 154 students.
- Language and Training Programme on "**The Power of Words**" was conducted on 05.05.2021 for 28 students.

  
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- ICT Skill Development Programme on “Simulation PHP and MySQL: Database Connectivity and Data Manipulation” was conducted on 07.05.2021 for 74 students.

#### **WORKSHOP ORGANIZED:**

##### **EVEN SEMESTER:**

- Department of EEE conducted Workshop ‘Emerging Trends in Power Generation and Electrical Safety’ on 24.04.2021 for 26 students.
- IPR Workshop ‘Intellectual Property Rights’ was conducted on 26.04.2023 for 128 students.

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

- The National conference “Recent Trends in Engineering Science and Innovative Technologies (NCRTEIT-2021)” were organized on 05.02.2021.
- Department of CSE was conducted Five Day Online FDP on “Applications of IOT in Research and Engineering” from 15.06.2021 to 19.06.2021 for faculty members.

##### **STUDENT ACTIVITIES:**

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

##### **STUDENTS ACHIEVEMENTS:**

- R.Jaffar Nisha, II Year/ ECE got Third Prize in the Drawing Competition in International Level conducted by Yavarum Kelir Thiran Valar Sangam on 21.02.2021.
- K.Sushmeena, III Year/ CSE got Third Prize in the Speech Competition in International Level conducted by Yavarum Kelir Thiran Valar Sangam on 18.04.2021.
- D.Sivagami, II Year/ CSE got Third Prize in the Essay Writing Competition in state level competition conducted by Nadar saraswathi College of Engineering & Technology held on 15.07.2021.
- R.Keerthana, II Year/ CSE got Third Prize in the Essay Writing Competition in National Level by Dr.APJ Abdulkalam Foundation on 27.07.2021.

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

###### **Internship:**

- All department students were participated in internship/ inplant training in various industries such as VI Microsystem pvt ltd, TNEB, BSNL, Shabee Constructions, Galwin Technology, Fantasy Solutions etc.

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

  
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- Awareness on wearing mask and mask distribution (03-05-21), Awareness on Traditional Medicine-(Nilavembu) (22-05-21) totally 2 programmes were conducted by NSS & RRC.

#### **LIBRARY:**

- The library has more than 13,047 volumes of books related to various fields of engineering and science and humanities.
- Our library has official membership with DELNET facility.

#### **CAREER GUIDANCE:**

- Career Guidance Programme ‘Skill Enhancement and Career Development’ was conducted on 11.03.2021 for 160 students.

#### **PLACEMENT:**

- In the academic year 2019-2020, 66 students were placed in leading companies such as **HCL Technologies, Greentech structural constructions, N.Elavarasu Contractor, Zencorp Techno Solutions, FOXCONN, Valeo India pvt ltd, CTTI, Hyundai Glovis pvt ltd, Ujjivan small finance Bank, IJL, CTS india pvt ltd, EMRIGREEN health services & Armada Industrial Automation.**
- Our College achieved **100% (66 Placed/66 Graduates) placement** in the academic year 2019-2020.

  
**IQAC CO-ORDINATOR**



  
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# ACADEMIC YEAR

2019-2020



## SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurichi, Pudukkottai-622 303

### IQAC ANNUAL REPORT FOR ACADEMIC YEAR 2019-2020

An Annual Report of IQAC is prepared based on the academic activities in the institution for the academic year 2019-2020. 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 5 companies including Spiderman Pvt Ltd, Rooboo Tech India Private Limited, TRM construction, Kamaal Constructions and PMP Consultants.

#### **UNIVERSITY RESULTS:**

- Around 59.5% (44 Graduates/74 Appeared) of graduation in the academic year 2018-2019.

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

- A total of 2.977 lakhs was received towards endowment in the form of consultancy activities from various organizations.
- Our College sponsored financial assistance of Rs.36,200/- for 45 faculty members attending various activities like FDP, Seminars, Workshop and conferences.
- 45 Alumni's attended the Alumni meet conducted on 03.12.2022 at SBECW Campus.
- Mr.J.Sathyaraj, AP/ECE published in the journal titled 'The impact of advanced technological developments on solar PV value chain - material proceedings', Materials Today: Proceedings, ISSN number 2214-7853.
- 157 papers were published in the conference proceedings from various departments on various topics.
- 48 faculty members participated in FDP, seminars and workshops organized by reputed institutions from various departments.

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## VALUE ADDED COURSE ORGANIZED:

### ODD SEMESTER:

- Web Designing and Development conducted by Notus Soft Solutions -87 CSE&IT Students.
- Corrosion of RC structures conducted by TRM Constructions - 27 CIVIL Students.
- PCB Manufacturing and Designing of basic Circuits conducted by Galwin Technology -46 ECE Students.
- Electrical Control Design In Real Time Applications conducted by Power Integrated Solutions PVT LTD-28 EEE Students.
- Discover creativity for engineer conducted by Interlogix Embedded Solutions - I Year 52 Students.

### EVEN SEMESTER:

- Java Programming Using Hacker Rank conducted by Meck Teck Research Foundation - 84 CSE&IT Students.
- Soil pollution and Restoration conducted by PMP Consultant – 27 CIVIL Students.
- Learning Arduino Platform and its Uses conducted by Galwin Technology - 46 ECE Students.
- Designing, Operation, Control, Monitoring & Maintenance Of Solar Panels conducted by PV Solar Power Tech - 28 EEE Students.
- Photoshop for beginners conducted by Apple Computers and Education - I Year 52 Students.

## SEMINARS ORGANIZED FOR STUDENTS:

The following seminars are organized during the academic year 2019-2020 ODD semester.

- Department of CIVIL conducted Research Methodology Seminar on 'Application of Image Processing in Remote Sensing' on 28.09.2019 for 25 students.
- Department of CSE conducted seminar Seminar on 'IOT-Let's exploit and explore: Research Aspects' on 26.10.2019 for 80 students.
- IPR Seminar 'IPR Strategies for Research and Development' was conducted on 05.11.2019 for 50 students.

  
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- EDC Seminar '**Women in DataScience: Leveraging Big Data for Entrepreneurial Success**' was conducted on 19.08.2019 for 61 students.

**The following seminars are organized during the academic year 2019-2020 EVEN semester.**

- Department of CIVIL conducted Research Methodology seminar '**Research Methodology Seminar on Integrated Water Resources Management**' on 17.02.2020 for 26 students.
- Department of ECE conducted seminar '**Micro Electronics and VLSI Design**' on 14.03.2020 for 44 students.
- Department of EEE conducted seminar '**Research on energy audit from the perspective of environmental protection**' on 13.01.2020 for 27 students.
- EDC Seminar '**The Future of EdTech: Women Entrepreneurs Revolutionizing Education**' was conducted on 02.03.2020 for 65 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 "**Enhancing Soft Skills for Success and Professional Excellence**" was conducted on 19.10.2019 for 51 students.
- Life Skill Program on "**Physical and mental health**" was conducted on 24.09.2019 for 231 students.

### **EVEN SEMESTER:**

- Soft skills Training Program on "**Conflict Resolution Skills**" was conducted on 10.02.2020 for 179 students.
- Life Skill Program on "**Corona Virus**" was conducted on 12.03.2020 for 205 students.
- Language and Training Programme on "**Communication Training**" was conducted on 14.02.2020 for 97 students.
- Language and Training Programme on "**Language for Everyday Life**" was conducted on 16.04.2020 for 41 students.

- ICT Skill Development Programme on “**Online seminar on Introduction to Collaborative tools for online teaching and learning**” was conducted on 11.02.2020 for 80 students.

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

- The National conference “**Applications of Engineering, Technology and Science (Ncaets-2020)**” were organized on 21.02.2020.
- Department of EEE was conducted Two Day PDP on “**Importance and Significance of outcome based Education (OBE) for Educational Institution**” from 10.01.2020 to 11.01.2020 for faculty members.
- Department of CIVIL was conducted One day Professional Development programme on “**Enhancing Teaching skills and Learning methodology**” on 14.12.2019.

#### **STUDENT ACTIVITIES:**

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

#### **STUDENTS ACHIEVEMENTS:**

- Ms.C.Meera final year CSE **won the second prize** in the paper presentation at Mount Zion College of Engineering and Technology on 06.03.2020.
- Ms.S.Abirami and M.Priyadharshini of final year CSE **won the first prize** at ACCET, Karaikkudi on 25.02.2019.
- Ms.G.Lakshmi of final year CSE **won the third prize** at Mother Theresa College of Engineering and Technology on 26.02.2019.
- M.Pirainuzhal Selvi, IV Year CSE got First Prize in the Speech Competition in state level competition conducted by Makkal Sinthanai Peravai, Erode on 12.08.2019.
- S.Keerthana, IV Year/ CSE got Third Prize in the Elocution of Song Competition in state level competition conducted by Murasoli Trust on 16.09.2019.

  
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## STUDENTS ATTENDED INTERNSHIP/INDUSTRIAL VISIT:

### Industrial Visit:

- 46 students of ECE and 28 students from EEE accompanied by 4 staff members visited Adani Green Energy, Kamuthi, Ramanathapuram on 15<sup>th</sup> February 2020.
- Fifty students went on a field visit to Neft Soft Technologies, Kochin and Kerala engaged in the field of “Product Development, IT sector and Training”.

### Internship:

- All department students were participated in internship/inplant training in various industries such as BHEL, Galwin technology, BSNL, E-soft IT Solutions ,..etc.

### NSS/YRC & RRC ACTIVITIES:

- Blood donation –An awareness Rally (18-07-19), Breast cancer Signs and symptoms - An Awareness programme (05-12-19), An awareness rally for “The Elimination of Violence Against Women” (27.12.19), Global Warming Awareness programme , Deivanai Ramasamy H r.Sec.School (07.03.20), Tree Plantation Programme on Poovarasakkudi Govt Elementary School (20.12.19) & Awareness on using Mask and Hand sanitizer (05.03.20) totally 6 programmes were conducted through NSS.
- Tree Saplings Plantation (09-08-19), Enriching computer knowledge to school students. (30-09-19), Awareness rally about deforestation (01-10-19) & Corona Virus awareness Campaign (29-02-20) totally 4 programmes were conducted by YRC.
- Raising Awareness about the importance of Electrical Safety (21-08-19), Rally on importance of organ donation (11-02-20), Donation to Sivanandha Gurugulam (19-10-19), Save Water Save Nation – A gathering (05-03-20) & International white Cane day contribution for Visually challenged students education (06-08-19) total number of 5 programmes were organized through RRC.

  
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## LIBRARY:

- Our library has official membership with DELNET facility.
- The library has more than 12,802 volumes of books related to various fields of engineering and science and humanities.
- Programme on “Be the Change You Want to see in the World” was organized on 12.08.2019 in connection with ‘National Librarian’s day’.
- The library has a separate periodical section and has a total of 18 journals including 10 national and international journals and a large number of e-journals.

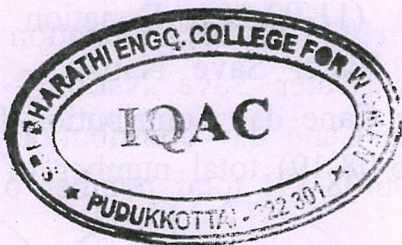
## CAREER GUIDANCE:

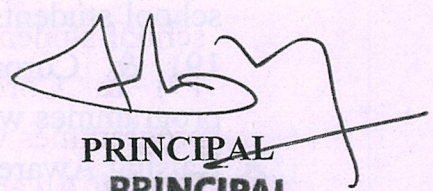
- Career Guidance Programme ‘Focus on your Career path’ was conducted on 12.09.2019 for 135 students.

## PLACEMENT:

- In the academic year 2018-2019, 42 students were placed in leading companies such as **Manora Builders, N.Elavarasu Contractor, Greentech Structural Constructions, Venkateswara Polytechnic College, Flextronics Technologies (India) Private Limited, Flowget Solutions Private Limited, Indusind Bank, Prime Focus Private Limited & Armada Industrial Automation** and 2 students had gone for higher studies.
- Our College achieved **100% (44 Placed/44 Graduates)** placement in the academic year 2018-2019.

  
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ACADEMIC YEAR

2018-2019



## SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurichi, Pudukkottai-622 303

### IQAC ANNUAL REPORT FOR ACADEMIC YEAR 2018-2019

An Annual Report of IQAC is prepared based on the academic activities in the institution for the academic year 2018-2019. IQAC sessions are held regularly, and the recommendations provided by members are documented in the meeting minutes.

#### **NEW INITIATIVES:**

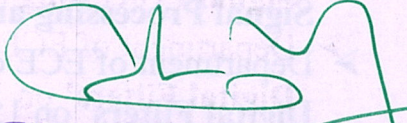
- MoU have been signed with total number of 6 companies including Galwin Technology, INTERLOGICX Embedded Solutions, Notus Soft Solutions, Meck Teck Research Foundation, PV Solar Power Tech & Power Integrated Solutions.

#### **UNIVERSITY RESULTS:**

- Around 76.32% (58 Graduates/76 Appeared) of graduation in the academic year 2017-2018.

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

- A total of 1.4454 lakhs was received towards endowment in the form of consultancy activities from various organizations.
- Our College sponsored fund Rs.29,450/- for 35 faculty members attending various activities like FDP, Seminars, Workshop and conferences.
- 45 Alumni's attended the Alumni meet conducted on 17.10.2018 at SBECW Campus.
- Mr.K.Swaminathan, AP/CSE published in the journal titled 'Cloud Resource Allocation and Optimization: A Review', Journal of Computational and Theoretical Nano Science, ISSN number 1546-1963.
- Mrs.V.Kavitha, AP/ECE published in the journal titled 'A Smart sensor network localization for electric grids', Springer, ISSN number 2193-1801.
- 170 papers were published in the conference proceedings from various departments on various topics.

  
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- 45 teaching and 20 non teaching staff members participated in FDP, seminars and workshops organized by reputed institutions from various departments.

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

#### **ODD SEMESTER:**

- Diversity In Python Programming conducted by Galwin Technology -89 CSE&IT Students.
- Earthquake Resistant Design of Foundation conducted by Golden Bell Constructions -41 CIVIL Students.
- Digital system Design with Xilinx Software conducted by Maria Academy -50 ECE Students.
- Basic Industrial Automation conducted by Stepup Controls - 36 EEE Students.
- Basics of Laptops/PC maintenance and app installation conducted by Maria Academy -I Year 53 Students.

#### **EVEN SEMESTER:**

- Cloud Infra Structures And Services conducted by Apple computers and education -89 CSE&IT Students.
- Quality Assurance and Quality Control in Civil Engineering conducted by Golden Bell Constructions -40 CIVIL Students.
- Antenna Design High Frequency Simulation Software conducted by Maria Academy -50 ECE Students.
- PLC Programming conducted by Galwin Technology -36 EEE Students.
- Web designing using HTML basics conducted by Apple computers and Education - I Year 53 Students.

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

**The following seminars are organized during the academic year 2018-2019 ODD semester.**

- Department of CSE conducted Research Methodology seminar '**Data Analytics in IOT : Recent Aspects**' on 04.03.2019 for 23 students.
- Department of ECE conducted seminar '**Recent Trends in Digital Signal Processing and its Applications**' on 25.08.2018 for 51 students.
- Department of ECE conducted seminar '**Finite Word Length Effects on Digital Filters**' on 15.09.2018 for 50 students.

  
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- Department of EEE conducted seminar '**Recent Trends of Power Electronics in Power System**' on 20.07.2018 for 31 students.
- IPR Seminar '**Intellectual Property Mangement**' was conducted on 18.08.2018 for 209 students.
- EDC Seminar '**Renewable Energy Entrepreneurship: Women Shaping a Greener Future**' was conducted on 9.08.2018 for 60 students.

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

- Department of EEE conducted seminar '**Challenges of Renewable Energy Sources in Electric Grid System**' on 13.02.2019 for 32 students.
- IPR Seminar '**Emerging Issues in Intellectual Property Rights**' was conducted on 04.04.2019 for 51 students.
- EDC Seminar '**Crisis Management Strategies: Lessons from Women Entrepreneurs**' was conducted on 06.02.2019 for 73 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 "**Enhancing Decision Making Intelligence**" was conducted on 16.11.2018 for 56 students.
- Life Skill Program on "**HIV AIDS**" was conducted on 18.07.2018 for 197 students.
- Life Skill Program on "**Yoga in your daily life**" was conducted on 31.08.2018 for 198 students.
- Language and Training Programme on "**Pronunciation Skill for Professional Career**" was conducted on 17.09.2018 for 58 students.
- ICT Skill Development Programme on "**Fundamentals of Microsoft office**" was conducted on 16.11.2018 for 79 students.

#### **EVEN SEMESTER:**

  
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- Soft skills Training Program on **“Teamwork and Collaboration”** was conducted on 19.02.2019 for 204 students.
- Life Skill Program on **“First AID and its importance”** was conducted on 20.04.2019 for 108 students.
- Language and Training Programme on **“Innovative Strategies for proficient Communication”** was conducted on 18.02.2019 for 127 students.
- ICT Skill Development Programme on **“Adobe Photoshop”** was conducted on 01.03.2019 for 71 students.

#### **WORKSHOP ORGANIZED:**

##### **ODD SEMESTER:**

- Department of Civil conducted Research Methodology Workshop **“New Management Techniques – Edutainment method”** on 01.09.2018 for 39 students.
- Department of CSE conducted Workshop **“Research Issues in Cloud Computing on AWS”** on 28.08.2018 for 82 students.

##### **EVEN SEMESTER:**

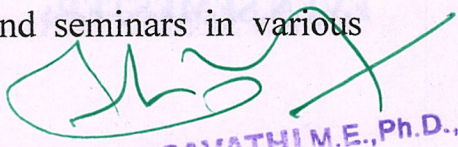
- Department of Civil conducted Research Methodology Workshop **“Issues and Challenges of Concrete Structures”** on 16.02.2019 for 36 students.

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

- The National conference **“Recent Innovations in Science, Engineering and Technology (NCRASET-2019)”** were organized on 02.03.2019.
- Department of CSE was conducted One Day Administrative Development on **“Resilience and Stress Tolerance”** on 11.12.2018 for faculty members.
- Department of CSE was conducted One Day Management Development Programme on **“Institutional Best Practices”** on 07.07.2018 for faculty members.

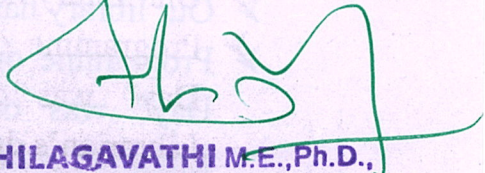
#### **STUDENT ACTIVITIES:**

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

  
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## STUDENTS ACHIEVEMENTS:

- G.Lakshmi, III/CSE got **THIRD PRIZE** in Essay writing in state level competition conducted by Nadar saraswathi College of Engineering & Technology held on 15.7.2018.
- R.Atchaya, II Year/ ECE got **THIRD PRIZE** in Speech Competition in state level competition conducted by Makkal Sinthanai Peravai, Erode on 21.07.2018.
- K.Prasanna, III Year/ EEE got **FIRST PRIZE** in Essay writing in state level competition conducted by Kaviyarasar Kalai Tamil Sangam on 15.08.2018.
- A.Karunambigai, III Year /EEE got **FIFTH PRIZE** in Poetry in state level competition conducted by Kaviyarasar Kalai Tamil Sangam on 15.08.2018.
- V.Bavani, II Year/ CSE got **FIFTH PRIZE** in Essay Writing in state level competition conducted by Kaviyarasar Kalai Tamil Sangam on 15.08.2018.
- G.Lakshmi, III Year/ CSE got **First Prize** in Drawing in state level competition conducted by Kaviyarasar Kalai Tamil Sangam on 15.08.2018.
- N.Deepa, III Year/ ECE got **Second Prize** in the Elocution of Song Competition in state level competition conducted by Murasoli Trust on 05.09.2018.
- K.Sushmeena, I Year/ CSE got **Fifth Prize** in **D Essay Writing** in state level competition conducted by Kurinji Kabilar Tamil Sangam, Namakkal on 26.01.2019.
- S. Maragathalakshmi, II Year ECE got receiving **First Prize** in the **Drawing** in state level competition conducted by Kurinji Kabilar Tamil Sangam, Namakkal on 26.01.2019.
- A.Pothumpen, II Year/ Civil got **Fourth Prize** in the Essay Writing in state level competition conducted by Kurinji Kabilar Tamil Sangam, Namakkal on 26.01.2019.
- S.Saratha, IV Year/ ECE got **Third Prize** in the Drawing in state level competition conducted by Sri Ram Ilakkiya Kazhagam, Chennai on 24.03.2019.

  
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## STUDENTS ATTENDED INTERNSHIP/INDUSTRIAL VISIT:

- An industrial visit was arranged for EEE students on 28.08.2018 to TNEB, Pudukkottai.
- All department students were participated in internship/inplant training in various industries.

## NSS/YRC & RRC ACTIVITIES:

- Temple Cleaning (16-07-18), Awareness Campaign on reduction of one time use plastic (18-08-18), Importance of Women Education-A Gathering (21-07-18), Obey Traffic rules and signs-An awareness to prevent Accidents (04-08-18), Enriching computer knowledge to school students(28-01-19), Awareness campaign on Safety use of Electrical Appliances (01-09-18), Mensural Hygiene Awareness programme for school students (21-02-19), Donation for Sivanandha Orphanage by our Staff and Students (9-10-18), International white Cane day contribution for Visually challenged students education (06-08-18) & Green Carnival Each one Plant one (06-07-18) totally 11 programmes were conducted through NSS.
- Ending the HIV/AIDS Epidemic – Rally (26-07-18), Campus cleaning at Govt elementary School Periyanaipuram (05-01-19), Millets awareness programme (10.11.18) & swachh bharath Rally (08.12.18) totally 4 programmes was conducted by RRC.
- Stay alive, Don't Drink and Drive-Alertness programme on road safety (14-07-18), Door to Door meeting about toilet usage (30-11-18), Dengu Awareness Rally (08-08-18), Awareness Rally child labour & child abuse (09-03-19), Campus Cleaning Vijayaragunathapuram (27-10-18), Tree Plantation Programme (28.12.19) & Save Tree Plant Tree Rally (14-09-18) total number of 7 programmes were organized through YRC.

## LIBRARY:

- The library has more than 12,240 volumes of books related to various fields of engineering and science and humanities.
- Our library has official membership with DELNET facility.
- Programme on “Unlocking the World – Celebrating the Library on its Day” was organized on 13.08.2018 in connection with ‘National Librarian’s day’.

  
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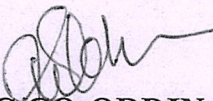
- The library has a separate periodical section and has a total of 18 journals including 08 national and international journals and a large number of e-journals.

#### CAREER GUIDANCE:

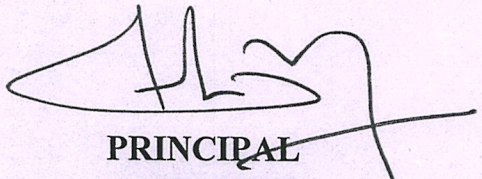
- Career Guidance Programme '**Engineering Career Advancement**' was conducted on 20.02.2019 for 205 students.

#### PLACEMENT:

- In the academic year 2017-2018, 47 students were placed in leading various companies surviving in the leading positions.
- Our College achieved **100% (58 Placed/58 Graduates) placement** in the academic year 2017-2018.

  
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