



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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

Pudukkottai - Aranthangi Road,
Kaikkurichi, Pudukkottai - 622 303.

Date :

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, the following list of activities were conducted based on the MoU, signed between Sri Bharathi Engineering College for Women, Kaikkurichi, Pudukkottai and Indiguard Systems Pvt.Ltd, Thanjavur.

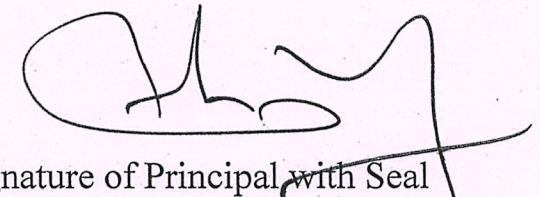
Sl. No	Name of the Activity	No of Students	Date
1.	Seminar-Embedded Systems For Energy Management	31	07.09.2022
2.	Value Added Course – Fundamentals of Electronics using PCB Designing.	40	31.07.2023 to 04.08.2023

MoU Validity Period: 16.08.2021 to 16.08.2024


Signature of Company Authority with Seal

INDIGUARD SYSTEMS (P) LTD.

D.No: 3/365, West Street, Kollanarai,
Nadur (Po), Thanjavur-614 904,
Tamil Nadu, India.


Signature of Principal with Seal

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.



தமிழ்நாடு எண் : 7/8/2021

30AC 716524

தமிழ்நாடு எண் :
7/8/2021

Dr. U. Sankararaman

ஆ. உண்ணாமலை
முத்திரைத்தாள விற்பனையாளர்
உரிமம் எண்: 3/2008
நாவலர் தெரு.
ஆலங்குடி

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

AND

INDIGUARD SYSTEMS PVT.LTD, THANJAVUR

This Memorandum of Understanding (herein after called as 'MoU') is entered into on this 16th August 2021 at SBECW, Pudukkottai by and between

Sri Bharathi Engineering College for Women, the First Party represented herein by its Principal of Institution **Sri Bharathi Engineering College for Women, Kaikkurichi, Pudukkottai-622303**, and **Indiguard Systems Pvt.Ltd, Thanjavur-614904**, the Second Party and represented herein by its Managing Director, **Dr.M.Vijayakumar**.

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

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
PRINCIPAL
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

INDIGUARD SYSTEMS (P) LTD,
No: 3/365, West Street, Kollangarai,
Nadur (Po), Thanjavur-614 904,
Tamil Nadu, India.

WHEREAS:


- A) First Party is a Higher Educational Institution named: **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Exchange of Expertise, Projects, Internships, Hackathon and similar activities to improve Quality of Education and Industry – Institute Interaction.
- D) Both Parties, being legal entities in themselves desire to sign this MoU for advancing their mutual interests.
- E) **Indiguard Systems Pvt.Ltd , Thanjavur** the Second Party is engaged in Business, Skill Development, and Outcomebased trainings, Internships, training, Workshop, Research and Development related services in the fields of **Engineering and Technology**.
- F) **Indiguard Systems Pvt.Ltd , Thanjavur**, the Second Party is promoted by **Dr.M.Vijayakumar**, No.3/365, West Street, Kollangarai, Nadur Post ,Thanjavur-614904, Tamil Nadu. We strive to surpass the competition in quality, innovation, maximize the uptime and safety of industries.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MoU, THE PARTIES HERE TO AGREE AS FOLLOWS:

CLAUSE 1

CO-OPERATION

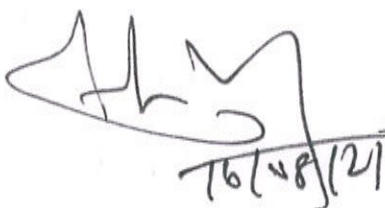
- 1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
- 1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.


16/08/21
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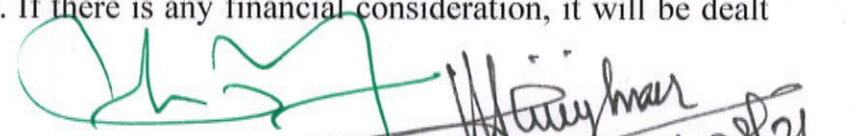

16/08/21
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CLAUSE 2
SCOPE OF THE MoU

- 2.1 **Incubation Centre Establishment:** A provision of Incubation Centre in the college campus to support the student projects, product development, In-house internship, On the job training to the students of Sri Bharathi Engineering College for Women.
- 2.2 **Value Added Course:** Second Party will give valuable inputs to the First Party through Value added courses to bridge curricular gap, expectations of Industry and improve the employability skills of the students.
- 2.3 **Industrial Training & Visits:** Industry and Institution interaction will give an insight in to the latest developments / requirements of the industries, the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled with the First Party.
- 2.4 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of Engineering.
- 2.5 **Skill Development Programs:** Second Party to guide and train the Faculty of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.
- 2.6 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.7 **Faculty Development Programs:** Second Party to train the Faculty members of First Party for imparting training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.
- 2.8 **Internship & Training of Students:** Second Party will actively engage to help the delivery of the training of students of the First Party into internships/jobs for the students, where feasible. The Second Party will itself absorb at least percentage of the trained students as Interns.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programmes on the terms specified herein.
- 2.10 There is no financial commitment on the part of the **Sri Bharathi Engineering College For Women** the First Party to take up any programme mentioned in the MoU. If there is any financial consideration, it will be dealt separately.


T6/48/21

Dr. S. THILAGAVATHI M.E., Ph.D.,
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CLAUSE 3

INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MoU shall, by express grant, implication, Otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4

VALIDITY

- 4.1 This Agreement shall be initially valid for a period of three years commencing from the date of the agreement. The term may be extended for further period by mutual consent in writing by the parties.

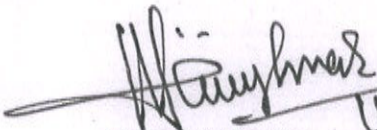
CLAUSE 5

RELATIONSHIP BETWEEN THE PARTIES

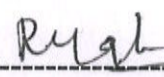
- 5.1 It is expressly agreed that **First Party** and **Second Party** are acting under this MoU as independent contractors, and the relationship established under this MoU shall not be construed as a partnership.



First Party
16/08/21
Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

Head of the Institution


Second Party
16/08/21
INDIGUARD SYSTEMS (P) LTD.
D.No: 3/365, West Street, Kollangaral,
Nadur (Po), Thanjavur-614 904,
Tamil Nadu, India.



Witness: 1. 
[R. YOGESHWARI
AP/EE]

Witness: 1. 
[M. RAMYA]


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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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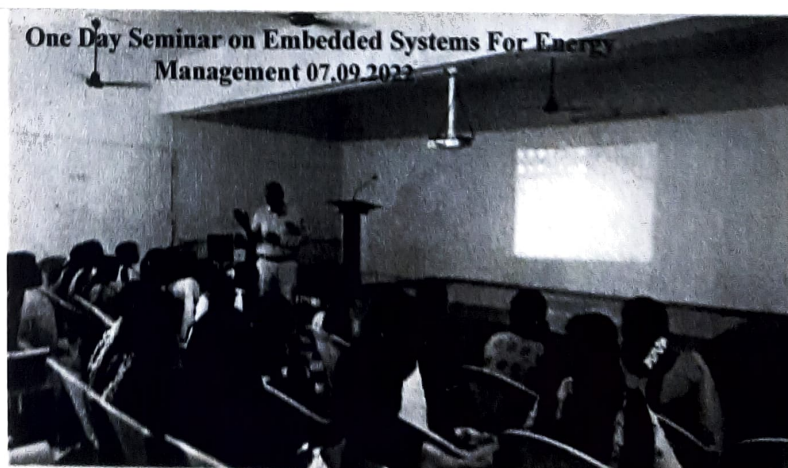
Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India.

ACADEMIC YEAR (2022-2023) / ODD SEMESTER

REPORT OF THE PROGRAM

1	Program Name	Embedded Systems For Energy Management
2	Date of program	07.09.2022
3	Resource person	Dr. M. Vijayakumar, M.E., Ph.D., Manager – Research and Development IndiGuard Systems Pvt Ltd, Thanjavur
4	Participants	31
5	Objective of program	The main objective is to upgrade the Embedded techniques for consuming energy in Energy Management system.
6	Program Description	The program started with a welcome address and introduction of resource person by Mrs.R.Yogeshwari, Head of the ECE Department. 31 students were attended the Seminar. In the forenoon session, resource person explained system approaches in static power and dynamic power management for monitoring, managing and optimizing energy consumption in the embedded systems. In the afternoon session, he continued with taxonomy of energy consumption and management in embedded systems and students also interacted and got knowledge about this seminar. The overall session was informative and useful session. The session ended with a vote of thanks by Mrs.M.Sathya AP/ECE.
7	Outcome of this program	The student gained well knowledge on various energy consumption techniques and management information in embedded systems.

8 Photo




Program Coordinator


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

PRINCIPAL

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HoD/ECE

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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India.




DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that RAJESHWARI R, II YEAR ECE of Sri Bharathi Engineering College for Women has participated in one day Seminar on “Embedded Systems For Energy Management” organized by Department of Electronics and Communication Engineering on 07th September 2022 during the academic year 2022-2023.


HoD/ECE


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



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that SONIYA P, III YEAR ECE of Sri Bharathi Engineering College for Women has participated in one day Seminar on “Embedded Systems For Energy Management” organized by Department of Electronics and Communication Engineering on 07th September 2022 during the academic year 2022-2023.

HoD/ECE

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

PRINCIPAL

SRI BHARATHI ENGINEERING

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PRINCIPAL



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Report on Value Added Course

Title:	FOUNDATIONAL ELECTRONICS AND PCB DESIGNING				
Resource Person:	Dr.M.VIJAYAKUMAR, R&D Manager, No.3/365 West Street,Thanjavur-614904. Tamil Nadu .				
Date of conduct from :	31.07.2023	To:	05.08.2023	Duration:	36 Hours
Organized Department :	Electronics and Communication Engineering				
Participant Year:	3 /4	Semester:	ODD	No. of Students Registered :	40
Venue:	Seminar Hall, ,Ground Floor, SBECW				

Outcome of Value Added Course (VAC) :At the end of Course ,Students can able to

- Learn the basics of electronics, including key functionalities and requirements.
- Recall the basics of sensors, its functioning.
- Apply to the design and analysis of electronic circuits.
- Execute basic and advanced assembly language programs.
- Evaluate routing strategies for signal paths.
- Emphasize their role in modern electronic systems and embedded applications.
- Illustrate how fundamental electronics concepts influence PCB designing.

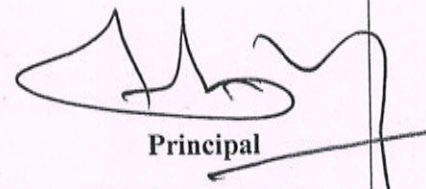
No. of students successfully completed the VAC course is **40 Students** based on the following Assessment process.

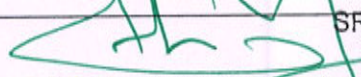
Assessment Process

- Students, securing **more than 60% on total score** and secured more than **75%** in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = $(0.5 * \text{Attendance in VAC out of 100 percentage} + 0.5 * \text{Test mark in VAC out of 100 marks})$


VAC Co-Ordinator


HoD/ EEE
HOD / ECE


Principal


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Dr. S.THILAGAVATHI M.E.,F
PRINCIPAL
SRI BHARATHI ENGINEERING
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Kaikkurchi - 622 303, Pudukkottai



IndiGuard Systems Pvt.Ltd.

Weaving dreams into Reality

Training / Design / Consultancy

CIN : U32109TN2020PTC135361

GSTIN : 33AAF616412A1Z8

Mobile : 94880 12038

Web : www.indiguard.in

Email : indiguard@gmail.com

Nr : 3/365 WEST STREET, KOLLANGARAI, NADUR POST, THANJAVUR - 614904

Date: 05/08/2023

TO WHOMSOEVER IT MAY CONCERN

*This is to certify that Mr/Ms. **SENPAGAHARINI V, (Reg.No. 912620106006)** Student of Department of Electronics and Communication Engineering, **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, KAIKKURICHI, PUDUKKOTTAI - 622 303** has successfully completed an Industry Oriented Value Added Training in the field of **FOUNDATIONAL ELECTRONICS AND PCB DESIGNING** using fashionable PCB Software from **31/07/2023 to 05/08/2023** Under the guidance of **Dr.M.Vijayakumar, Senior R&D Manager.***

During the period of his/her Value Added Training program with us, he/she had been exposed to different processes and was found diligent, hard working and inquisitive.

We wish him/her every success in his/her life and carrier.

Certificate Number: IGS/SBECW /VATRG / PCB / 082023 /118.



For INDIGUARD SYSTEMS PRIVATE LIMITED.

*M. S. E.
05/08/23*

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

Authorized Signature

PRINCIPAL
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Kaikkurchi - 622 303, Pudukkottai Dt.

Mobile : 94880 12038

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