

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

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# **NAAC DOCUMENTS**



Quality Indicator Frame Work

# Criterion – 2

# **Teaching-Learning and Evaluation**

Submitted by

# IQAC Internal Quality Assurance Cell

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

Criteria 2

**Teaching-Learning and Evaluation** 

350

## **Key Indicator- 2.3. Teaching- Learning Process (40)**

# 2019-2020

# ELECTRONICS AND COMMUNICATION ENGINEERING

# **PROBLEM SOLVING**

Activity	Number of Students Attended	Page No.
Mini Project	46	3
TOTAL STUDENTS ATTENDED	46	-



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Criteria 2

**Teaching-Learning and Evaluation** 

350

# **Key Indicator- 2.3. Teaching- Learning Process (40)**

# 2019-2020

# ELECTRONICS AND COMMUNICATION ENGINEERING PROBLEM SOLVING MINI PROJECT



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### ACADEMIC YEAR (2019-2020)

#### **PROBLEM SOLVING METHOD**

#### LIST OF STUDENTS II YEAR ECE- PROBLEM SOLVING METHOD

SL.NO	REG.NO	NAME	YEAR/SEM	LEARNING METHOD
1.	912618106001	ANUSHAA S	II/III	
2.	912618106002	ARIVARASI A	II/III	
3.	912618106003	ASMATH HAZEENA N	II/III	
4.	912618106004	ATCHAYA R	II/III	
5.	912618106005	JAYAPRIYA T	II/III	PROBLEM SOLVING METHOD-TUTORIAL
6.	912618106006	JAYASRI M	II/III	MINI PROJECT
7.	912618106007	NAGALAKSHMI P	II/III	
8.	912618106008	NAVITHRA D	II/III	
9.	912618106009	ROHINI K	II/III	
10.	912618106010	SOUNTHARYA P	II/III	
11.	912618106012	THAIYAL NAYAGI K	II/III	
12.	912618106701	JANANI R	II/III	

C. P.e.

Name and signature of the faculty Incharge

(C. PALANIAPPAN AP/ECE)

HoD/ECE HOD / ECE

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303

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



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### ACADEMIC YEAR (2019-2020)

#### PROBLEM SOLVING METHOD

#### LIST OF STUDENTS III YEAR ECE- PROBLEM SOLVING METHOD

SL.NO	REG.NO	NAME	YEAR/SEM	LEARNING METHOD
1.	912617106001	ABIRAMI S	III/V	
2.	912617106002	ABISHEKA S	III/V	
3.	912617106003	ATSHAYA R	III/V	-
4.	912617106004	BAVADHARANI A	III/V	
5.	912617106005	BHUVANESHWARI B	III/V	
6.	912617106006	DHIVYA L	III/V	
7.	912617106007	GOWSALYA D	III/V	
8.	912617106009	INDHUMATHI S	III/V	PROBLEM SOLVING METHOD- MINI PROJECT
9.	912617106010	KANIMOZHI D	III/V	WETHOD- WINT I ROJECT
10.	912617106011	KAVYA C	III/V	
11.	912617106012	KEERTHANA G	III/V	
12.	912617106013	MAHESHWARI G	III/V	
13.	912617106014	MANOHARI M	III/V	
14.	912617106015	MARAGATHALAKSHMI S	III/V	
15.	912617106017	SAFRIN NISHA S	III/V	
16.	912617106018	SUBASHINI M	III/V	
17.	912617106019	SUBASHINI T	III/V	
18.	912617106020	VINTHIYA R	III/V	

C. C. Name and signature of the faculty Incharge HoD/ECE (C. PALANIAPPAN HOD / ECE AP/ECE) SRIBHARATHI ENGINEERING Dr. S.THILAGAVATHIM.E., Ph.D., PUDUKKOTTAI - 622 303 COLLEGE FOR WOMEN SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### ACADEMIC YEAR (2019-2020)

#### PROBLEM SOLVING METHOD

#### LIST OF STUDENTS IV YEAR ECE- PROBLEM SOLVING METHOD

SL.NO	REG.NO	NAME	YEAR/SEM	LEARNING METHOD
1.	912616106001	ABINAYA R	IV/VII	
2.	912616106002	AGALYA A	IV/VII	
3.	912616106003	ATCHAYA G	IV/VII	
4.	912616106004	DEEPA N	IV/VII	
5.	912616106005	DHARANIYA A	IV/VII	
6.	912616106006	JEEVITHA U	IV/VII	
7.	912616106007	MAHESWARI V	IV/VII	PROBLEM SOLVING
8.	912616106008	PAZHANIYAMMAL R	IV/VII	METHOD-MINI PROJECT
9.	912616106009	PRIYANKA E	IV/VII	
10.	912616106010	ROJA A	IV/VII	
11.	912616106011	SHANMUGAPRIYA R	- IV/VII	
12.	912616106012	SHIYAMALA E	IV/VII	
13.	912616106013	SIVABHARATHI P	IV/VII	
14.	912616106014	SIVARUBINI S	IV/VII	
15.	912616106016	VINCY A	IV/VII	
16.	912616106302	SANKAVI M	IV/VII	

C. P.e. ~

Name and signature of the faculty Incharge

(C. PALANIAPPAN AP/ECE)

HoD/ECE HOD / ECE SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303.

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



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Kaikkurichi, Pudukkottai -622 303

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Mini Troject Contest

**Academic Year** 

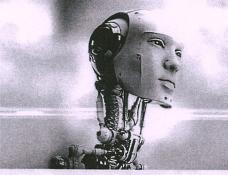
2019-2020

Date:17.08.2019 Time:10.00Am-1.00Pm Venue :Circuit Analysis Laboratory



**Embedded** System





Robotics

Dr. S. THILAGAV ATHIM.E., Ph.D



Microcontroller

ATTAIN

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkovai Dt,

Laser



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## **CIRCULAR**

#### 05.08.2019

Department of Electronics and Communication Engineering is planning to organize Mini Project Competition in our College campus on 17.8.2019

All ECE Department students are instructed to register their name with team members to the staff Incharge on or before 07.08.2019.Certificates will be awarded to the winners and all other participants.

S.NO	COMPETITION	TIME	VENUE	<b>STAFF INCHARGE</b>
1.	Mini Project	10.00 am - 1.00pm	Circuit analysis Lab	Mr.C.Palaniappan

OD/ECE HOD / ECE SRI BHARATHI ENGINEERIN COLLEGE FOR WOMEN KAIKKURICHI. PUDUKKOTTAI - 622 303

#### Copy to

- HoD/ECE
- All Faculty Members
- II,III,IV Year ECE Department Students
- IQAC Coordinator
- Notice Board
- Office File

Dr. S.THILAGAVAZHTM.E., Ph.D.,

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkõitai Dt.



(Approved by AICTE, Affiliated to Anna University, Chennai, India) Kaikkurichi, Pudukkottai – 622 303 ECE DEPARTMENT MINI PROJECT CONTEST PARTICIPATION LIST

17.8.2019

S.NO	BATCH LIST	PARTICIPANTS NAME	YEAR	PROJECT TITLE
1.	I	ATCHAYA R NAGALAKSHMI P ROHINI K	II	Vehicle Tracking and Theft Prevention System
2	II	ARIVARASI A ASMATH HAZEENA N JAYASRI M	II	Smart Home Automation System using IoT
3	III	SOUNTHARYA P THAIYAL NAYAGI K JANANI.R	II	Voice-activated Home Automation
4	IV	ANUSHAA S NAVITHRA D JAYAPRIYA T	II	Smart Traffic Monitoring and Control System
5	V	ATSHAYA R BAVADHARANI A BHUVANESHWARI B	III	Home Energy Monitoring and Management
6	VI	DHIVYA L GOWSALYA D ABIRAMI S	III	Fire Detection and Alarm System
7	VII	INDHUMATHI S KANIMOZHI D ABIRAMI S	III	Wireless Sensor Network for Environmental Monitoring
8	VIII	KAVYA C KEERTHANA G MAHESHWARI G	III	Home Security System with Intrusion Detection
9	IX	SUBASHINI M MANOHARI M MARAGATHALAKSHMI S	III	RFID-Based Attendance System
10	Х	SAFRIN NISHA S SUBASHINI T VINTHIYA R	III	Automatic Plant Watering System with Soil Moisture Sensing
11	XI	DEEPA N DHARANIYA A JEEVITHA U	IV	Wireless Power Transmission for Mobile Devices
12	XII	SIVABHARATHI P SIVARUBINI S VINCY A	IV	Home Energy Management System using Smart Meter
13	XIII	ABINAYA R AGALYA A ATCHAYA G	IV	Traffic Light Control System using Arduino
14	XIV	MAHESWARI V PAZHANIYAMMAL R PRIYANKA E	IV	Heart Rate Monitoring System using Wearable Sensors

Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkollai DL

HoD/ECE HOD / ECE SRI BHARATHI ENGINEERI COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303



(Approved by AICTE, Affiliated to Anna University, Chennai, India) Kaikkurichi, Pudukkottai – 622 303 ACADEMIC YEAR (2019-2020) ECE DEPARTMENT MINI PROJECT CONTEST

Judge : Mr.J.Sathiyaraj AP/EEE

17.8.2019

Batch No	Innovation Tile (05)	Concept Explanation (05)	Demonstration/ Working (10)	Viva voce (05)	Total (25)
1.	03	02	06	03	14
2.	04	03	07	02	16
3.	04	04	09	64	2)
4.	03	04	05	03	15
5.	04	03	06	04	17
6.	04	04	05	03	16
7.	03	02	06	03	14
8.	04	05	09	02	20
9.	03	03	04	03	13
10.	02	04	06	03	15
11.	03	02	07	02	14
12.	64	03	04	03	14
13.	02	04	05	04	15
14.	04	05	10	04	23

Dr. S.THILAGAVATHEM.E., Ph.D. PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

J. Sathiyazaj



(Approved by AICTE, Affiliated to Anna University, Chennai, India) Kaikkurichi, Pudukkottai – 622 303 ACADEMIC YEAR (2019-2020) ECE DEPARTMENT MINI PROJECT CONTEST

Judge : Mrs.T.K.Mohana Priya AP/ECE

T. K. Mohana priyaJ

Dr. S:THILAGAVATHIM.E.,Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt,



(Approved by AICTE, Affiliated to Anna University, Chennai, India) Kaikkurichi, Pudukkottai – 622 303 ACADEMIC YEAR (2019-2020) ECE DEPARTMENT MINI PROJECT CONTEST

Judges Name: Mr.J.Sathiyaraj AP/EEE& Mrs.T.K.Mohana Priya AP/ECE

Datah Na			PIOC . 8. FI
Batch No	Judge 1	Judge 2	Total (50)
1.	14	16	
2.		10	30
	16	15	31
3.	21	22	43 - 7
4.	15	15	30
5.	15	11	28
6.	16	14	30
7.	14	13	27
8.	20	21	H2 ->4
9.	13	13	26
10.	15	17	32
11.	14	18	32
12.	145	12	26
13.	15	16	31
14.	23	24	47>T
IRST PRIZE : ECOND PRIZE			1. J. Ser 2. T. K. d. J. Signature
	the	~ 1.	J-Satti yaray
Dr. S		A.E., Ph.D. 2	J. Sattli yaray T. K. Mohanapaiya

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



(Approved by AICTE, Affiliated to Anna University, Chennai, India) Kaikkurichi, Pudukkottai – 622 303

#### ECE DEPARTMENT MINI PROJECT CONTEST WINNERS LIST

17	.08	20	10
1/.	00	.40	17

S.NO	NAME OF THE STUDENT	YEAR	PRIZE
1.	MAHESWARI V PAZHANIYAMMAL R PRIYANKA E	IV	I
2.	SOUNTHARYA P THAIYAL NAYAGI K JANANI.R	II	П
3	KAVYA C KEERTHANA G MAHESHWARI G	III	III

1. J. Que 2. T. K. D.J. Signature [J. Sathiyaraj] [T. k. Mohana priya]

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



#### **KAIKKURICHI, PUDUKKOTTAI-622303**

(Approved by AICTE | Affiliated to Anna University)

### **DEPARTMENT OF ECE**

### ERTIFICATE OF PARTICIPATION

This is to certify that Ms.MAHESWARI V IV YEAR ECE, from Sri Bharathi Engineering College for Women,

has been awarded I Prize in Mini Project competition conducted on 17.08.2019 during the academic year 2019-2020.

HoD/ECE

Dr. S.TH M.E. Ph.D. PRINCIPAL

**SRI BHARATHI ENGINEERING** COLLEGE FOR MICHAEN

PRINCIPAL

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不米	KAIKKURICHI, PUDUKKOTTAI-622303	**
米	(Approved by AICTE   Affiliated to Anna University)	*
<b>**</b> *	DEPARTMENT OF ECE	***
*	<b>CERTIFICATE OF PARTICIPATION</b>	**
**		ネ
米		米
<b>~</b> 米	This is to certify that Ms.PAZHANIYAMMAL R IV YEAR ECE, from Sri Bharathi Engineering College for	<b>*</b> *
***	Women, has been awarded I. Prize in Mini Project competition conducted on 17.08.2019 during the academic year 2019-	***
*	2020.	**
* *	$\bigwedge$	**
*	Dr. S.THILAGAVATHIM PDLD	**
* *	Ryah PRINCIPAL	**
*	SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN PRINCIPAL	*
* *	HoD/ECE Kaikkurchi - 622 303, Pudukköttai Dt.	
	· ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	





KAIKKURICHI, PUDUKKOTTAI-622303 (Approved by AICTE | Affiliated to Anna University)

#### **DEPARTMENT OF ECE**

**CERTIFICATE OF PARTICIPATION** 

This is to certify that Ms.SOUNTHARYA P II YEAR ECE, from Sri Bharathi Engineering College for Women,

has been awarded II Prize in Mini Project competition conducted on 17.08.2019 during the academic year 2019-2020.

\*

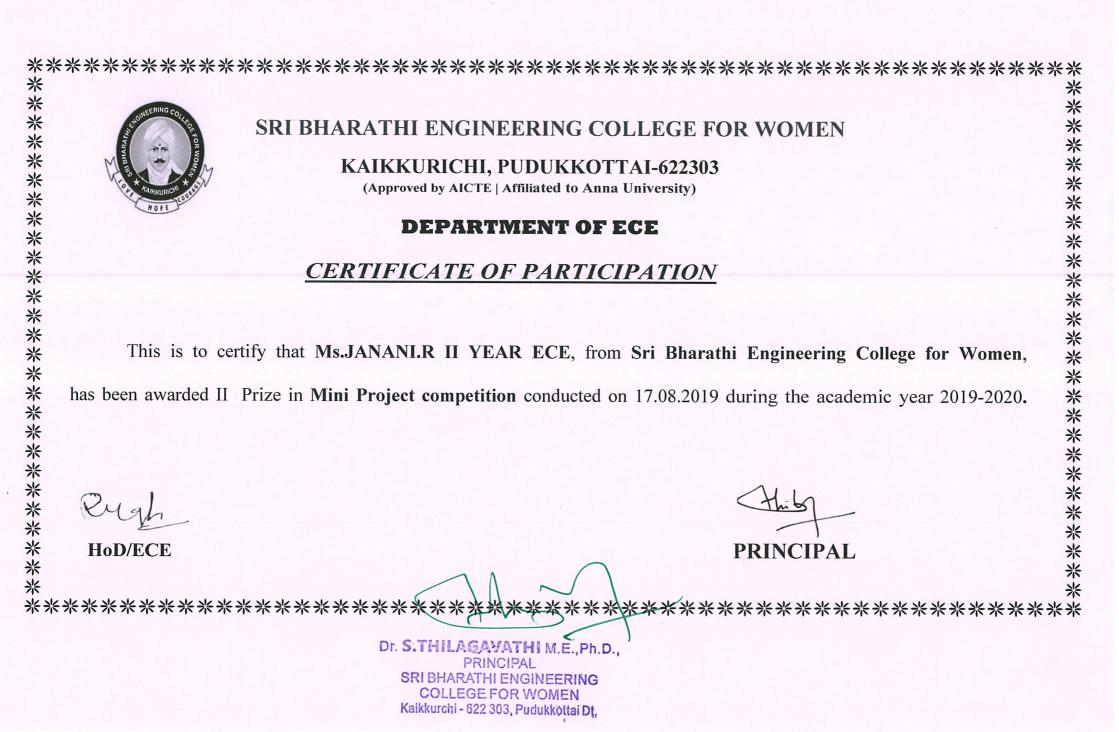
HoD/ECE

Dr. S.THI E.Ph.D SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN

** *	***************************************	
****	SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI-622303	****
**	(Approved by AICTE   Affiliated to Anna University)	*
***	DEPARTMENT OF ECE	***
*******************	CERTIFICATE OF PARTICIPATION This is to certify that Ms.THAIYAL NAYAGI K II YEAR ECE, from Sri Bharathi Engineering College for Women, has been awarded II Prize in Mini Project competition conducted on 17.08.2019 during the academic year 2019- 2020.	*************************
•	HoD/ECE ***********************************	*****

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KAIKKURICHI, PUDUKKOTTAI-622303

(Approved by AICTE | Affiliated to Anna University)

#### **DEPARTMENT OF ECE**

**CERTIFICATE OF PARTICIPATION** 

This is to certify that Ms.KAVYA C III YEAR ECE, from Sri Bharathi Engineering College for Women,

has been awarded III Prize in Mini Project competition conducted on 17.08.2019 during the academic year 2019-2020.

HoD/ECE

PRINCIPAL

\* 

> Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottal Dt.





KAIKKURICHI, PUDUKKOTTAI-622303 (Approved by AICTE | Affiliated to Anna University)

#### **DEPARTMENT OF ECE**

### **CERTIFICATE OF PARTICIPATION**

This is to certify that Ms.MAHESHWARI G III YEAR ECE, from Sri Bharathi Engineering College for Women,

has been awarded III Prize in Mini Project competition conducted on 17.08.2019 during the academic year 2019-2020.

HoD/ECE

\*\*\*

GAVATHIM.E., Ph.D., Dr. S.THIL PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pubuhaottai DL



#### SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

,		Report	on Mini project	Contest	
Title:	ECE Department Mini project Contest				
		iyaraj AP/EEE Iohana Priya AP/ECE			
		17.08.2019			
Organized Department :		ELECTRONICS AND COMMUNICATION ENGINEERING			
Participant Year: 2/3		4 Semester:	ODD	No. of Students Registered :	42
Venue: Circu	it analysis La	ıb			
		Outcome	of Mini Project	Contest	
<ol> <li>To expl</li> <li>Particip</li> </ol>	ore creativity, ants gained ex	, problem-solvir operience and sk	ng skills, and pra kills through the	actical applications. ir project work.	
		As	sessment Proces	3S	
Students with ini	novative projec			oject content clearly, Securing firs	t 3 ranks and
awarded with Pri	zes.				
Winners					
I <sup>st</sup> Prize 1.M AHESWAR	1.1/				
2. PAZHANIYA					
3. SOUNTHARY					
II <sup>nd</sup> Prize					
1. Prize					
2. THAIYAL NA					
3. JANANI.R					
III <sup>rd</sup> Prize					
1.KAVYA C					
2. KEERTHANA					
3. MAHESHWA	RIG				
				110	$\wedge$
. 0. 0		62	/		51
Coordinator		HoD/ECE			DAL
		HOD / E	CE	PRINCI	1000
		BHARATHIEN		ORIBHARATHIR	TALOIN
Jh.	$\sim$				
THILAGAV	ATHIM.EL,PI	UDUKKOTTAL.		KAIKKURICH PUDUKKOTTA	
PRINC		G			
COLLEGEFO	OR WOMEN				
aikkurchi - 622 30	3, Pudukkottai D	t.			