



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

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



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(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)

2018-2019

**ELECTRICAL AND ELECTRONICS
ENGINEERING
PROBLEM SOLVING**

Activity	Number of Students Attended	Page No.
Mini Project Contest	36	3
Project	15	22
TOTAL STUDENTS ATTENDED	51	-



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Criteria 2

Teaching-Learning and Evaluation

350

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

2018-2019

**ELECTRICAL AND ELECTRONICS
ENGINEERING**

PROBLEM SOLVING

MINI PROJECT CONTEST



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KAIKKURICHI, PUDUKKOTTAI - 622 303

DEPARTMENT OF EEE

Cordially invite you for the

MINI PROJECT CONTEST

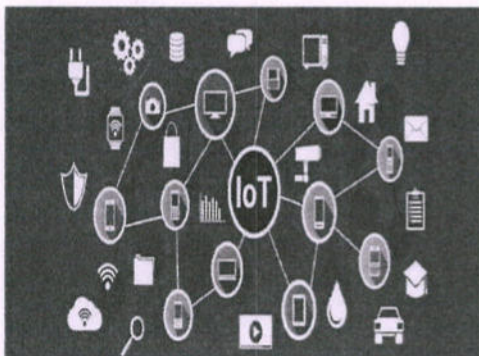
*6 TECHNOVATION 2019 *7

DATE: 02.03.2019

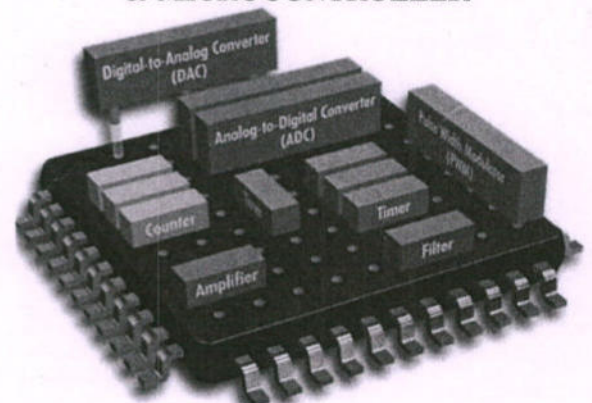
TIME: 10.00am -01.00pm

VENUE: SEMINAR HALL

INTERNET OF THINGS (IOT)



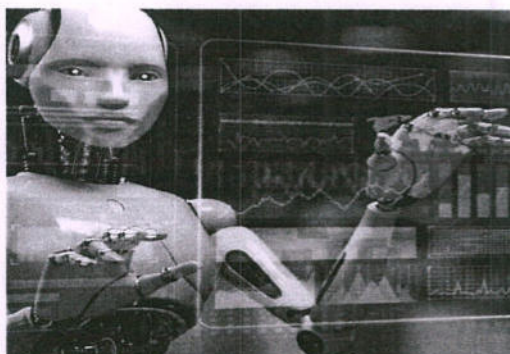
**EMBEDDED SYSTEMS
& MICROCONTROLLER**



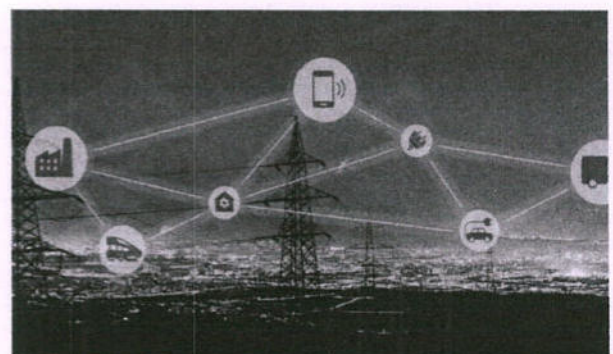
Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
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THEME

ROBOTICS AND AUTOMATION



SMART GRID TECHNOLOGY





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

18.02.2019

This is to inform that Department of Electrical and Electronics Engineering is planned to organize Mini Project Competition “TECHNOVATION 2019” on 02.03.2019. All II, III and IV year EEE students are instructed to register their names with team members to the staff incharge on or before 22.02.2019. Certificates will be distributed to the selected winners.

S.NO	COMPETITION	DATE & TIME	VENUE	STAFF INCHARGE
1.	Mini project Contest “TECHNOVATION 2018”	02.03.2019 & 10.00 am-01.00pm	Seminal hall	Mrs.R.AKILANDESWARI

Cc:

- Principal’s Office
- All faculty Members
- IQAC Coordinator
- Class In charges - II, III & IV-year of EEE
- II, III & IV-year EEE Students
- Notice Board
- Office file

A. Binrose
HoD/EEE
HOD EEE
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Dr. **S.THILAGAVATHI M.E., Ph.D.**
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2018-2019

MINI PROJECT CONTEST “TECHNOVATION 2019”

PARTICIPATION LIST

02.03.2019

S.NO	BATCH NO	PARTICIPANTS NAME	YEAR	PROJECT TITLE
1.	I	NAZEERA BANU.I	II	BANK LOCKER SECURITY SYSTEM
		PARTHIKA.S		
		SAJINA.K		
2	II	SELSIYA.R	II	OBJECT COUNTING USING 7 SEGMENT DISPLAY
		PRIYA.T		
		THENMOZHI.J		
3	III	VANITHA.E	II	AUTOMATIC IOT-BASED SMART DOORBELL
		PRASANNA P		
		SIYAMALADEVI S		
4	IV	ABIRAMI M	III	WEEKLY TASK ALERTING SYSTEM
		AJITHA R		
		GIRIJA V		
5	V	JOTHIKA A	III	BLUETOOTH ENERGY METER
		SURIYAKALA R		
		MAHESWARI R		
6	VI	KARUNAMBIGAL A	III	REMOTE PATIENT MONITORING SYSTEM
		SARANYA G		
		PRINCY ROSELIN I		
7	VII	PRASANNA K	III	SECURITY AND SURVEILLANCE SYSTEM WITH REMOTE MONITORING
		SNEHA V		
		SUBHASRI T		
8	VIII	ASWINI B	IV	IOT-ENABLED SMART TRASH CAN
		DIVYADHARSHINI B		
		SUGANYA A		
9	IX	VAISHNAVI B	IV	GSM BASED ECG TELE-ALERT SYSTEM
		A.DHANALAKSHMI		
		S.MANJULA		
10	X	R.PRAVEENA	IV	HOME ENERGY MONITORING DASHBOARD
		MALINI K		
		PRAVEENA K		
11	XI	SUWATHI D	IV	SMART STREET LIGHTING CONTROL
		SWARNALATHA R		
		PRIYADHARSHINI R		
12	XII	SANGEETHA M	IV	LPG GAS LEVEL INDICATOR WITH LOW QUANTITY ALERT
		SANTHIYA RANI C		
		AISHWARYA S		


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2018-2019

MINI PROJECT CONTEST “TECHNOVATION 2019”

Judge: Mr.J.Sathyaraj AP/EEE

02/03/2019

MARK LIST

BATCH LIST	INNOVATIVE TITLE (5)	CONCEPT EXPLANATION (10)	DEMONSTRATION / WORKING (10)	VIVA VOCE (05)	TOTAL
1.	03	06	07	04	20
2.	03	05	06	03	17
3.	04	08	08	04	24
4.	03	04	05	04	16
5.	03	06	04	04	17
6.	04	09	10	05	28
7.	04	07	03	04	18
8.	04	08	06	04	22
9.	04	08	09	04	25
10.	03	07	07	04	21
11.	04	09	05	04	22
12.	04	09	08	04	25

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SIGNATURE
(J. Sathyaraj)



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2018-2019

MINI PROJECT CONTEST “TECHNOVATION 2019”


Judge: Mr.A.Abdul Baseeth AP/EEE

02.03.2019

MARK LIST

BATCH LIST	INNOVATIVE TITLE (5)	CONCEPT EXPLANATION (10)	DEMONSTRATION / WORKING (10)	VIVA VOCE (05)	TOTAL
1.	03	05	07	04	19
2.	02	04	07	03	16
3.	04	08	08	04	24
4.	03	03	06	04	16
5.	04	06	04	04	18
6.	04	09	09	05	27
7.	04	08	03	04	19
8.	04	09	07	03	23
9.	04	08	09	04	25
10.	03	07	07	04	21
11.	04	09	07	04	24
12.	03	08	08	04	23


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SIGNATURE
(A. Abdul Baseeth)



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ACADEMIC YEAR 2018-2019

MINI PROJECT CONTEST “TECHNOVATION 2019”


Judge: Mrs.M.Sathya AP/ECE

02/03/2019

MARK LIST

BATCH LIST	INNOVATIVE TITLE (5)	CONCEPT EXPLANATION (10)	DEMONSTRATION / WORKING (10)	VIVA VOCE (05)	TOTAL
1.	03	07	08	04	22
2.	03	05	06	03	17
3.	04	09	08	03	24
4.	03	07	07	02	19
5.	04	06	05	04	19
6.	04	08	10	04	26
7.	04	07	08	03	22
8.	02	06	04	03	15
9.	04	09	08	04	25
10.	03	05	07	03	18
11.	04	06	07	03	20
12.	03	07	07	03	20


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SIGNATURE
(M. Sathya)



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2018-2019

MINI PROJECT CONTEST-TECHNOVATION 2019

02.03.2019

Judges: 1.Mr.J.Sathyaraj AP/EEE
2.Mr.A.Abdul Baseeth AP/EEE
3.Mrs.M.Sathya AP/ECE

BATCH NO	JUDGE 1	JUDGE 2	JUDGE 3	TOTAL
1.	20	19	22	61
2.	17	16	17	50
3.	24	24	24	72
4.	16	16	19	51
5.	17	18	19	54
6.	28	27	26	81
7.	18	19	22	59
8.	22	23	15	60
9.	25	25	25	75
10.	21	21	18	60
11.	22	24	20	66
12.	25	23	20	68

→ IIIrd prize

→ Ist prize

→ IInd prize

FIRST PRIZE: Batch 6
SECOND PRIZE: Batch 9
THIRD PRIZE: Batch 3

1. J. Sathya

2. A. Baseeth

3. M. Sathya

SIGNATURE

(J. Sathya)

(A. Abdul Baseeth)

(M. Sathya)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2018-2019

MINI PROJECT CONTEST “TECHNOVATION 2018”

WINNERS LIST

02/03/2019

S.NO	NAME OF THE STUDENT	YEAR	PRIZE
1.	KARUNAMBIGAL A	III	I
	SARANYA G		
	PRINCY ROSELIN I		
2.	VAISHNAVI B	IV	II
	A.DHANALAKSHMI		
	S.MANJULA		
3	VANITHA.E	II	III
	PRASANNA P		
	SIYAMALADEVI S		

A. Baseeth

J. Sathya

SIGNATURE

(J. Sathya)

(M. Sathya)

(A. Abdul Baseeth)

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Report on Mini project Contest

Title:	EEE Department Mini project Contest-TECHNOVATION 2019				
Jury Members:	1.Mr.J.Sathyaraj AP/EEE 2.Mr.A.Abdul Baseeth AP/EEE 3.Mrs.M.Sathya AP/ECE				
Date of conduct :	02.03.2019				
Organized Department :	Electronics and Electronics Engineering				
Participant Year:	2/ 3 /4	Semester:	EVEN	No. of Students Registered :	36
Venue:	SEMINAR HALL				

Outcome of Mini Project Contest

The students will be able to

- Come up with creative and innovative solutions to real-world problems in the field of electrical and electronics.
- Acquire hands-on learning experience, allowing them to apply the theoretical knowledge they've gained in their coursework to practical projects.

Assessment Process

Winners are selected on the following criteria

- Unique and innovative ideas.
- Projects working effectively and serve a practical purpose.
- Ability to clearly explain and showcase the project's concept, design, and results.

Winners:

Ist Prize

1. KARUNAMBIGAL A 2. SARANYA G 3. PRINCY ROSELIN I

IInd Prize

1. VAISHNAVI B 2. DHANALAKSHMI A 3. MANJULA S

IIIrd Prize

1. VANITHA.E 2. PRASANNA P 3. SIYAMALADEVI S

Coordinator

HoD/EEE
HOD EEE

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PUDUKKOTTAI DISTRICT

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KAIKKURICHI, PUDUKKOTTAI-622303

DEPARTMENT OF EEE

CERTIFICATE OF ACHIEVEMENT

This is to certify that KARUNAMBIGAL A, III year of Department of EEE, from Sri Bharathi Engineering College for Women, Pudukkottai has been awarded I Prize in mini project competition "TECHNOVATION 2019" conducted on 02.03.2019 during the academic year 2018-2019.

A. Prinsrose
HoD/EEE

PRINCIPAL

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This is to certify that SARANYA G, III year of Department of EEE, from **Sri Bharathi Engineering College for Women, Pudukkottai** has been awarded I Prize in mini project competition "TECHNOVATION 2019" conducted on 02.03.2019 during the academic year 2018-2019.

A. Prinsrose
HoD/EEE


Dr. **S. THILAGAVATHI M.E., Ph.D.,**
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This is to certify that PRINCY ROSELIN I, III year of Department of EEE, from **Sri Bharathi Engineering College for Women, Pudukkottai** has been awarded I Prize in mini project competition "**TECHNOVATION 2019**" conducted on 02.03.2019 during the academic year 2018-2019.

A. Binouse
HoD/EEE


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This is to certify that VAISHNAVI B, IV year of Department of EEE, from **Sri Bharathi Engineering College for Women, Pudukkottai** has been awarded II Prize in mini project competition "**TECHNOVATION 2019**" conducted on 02.03.2019 during the academic year 2018-2019.

A. Prinoose
HoD/EEE


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This is to certify that A.DHANALAKSHMI, IV year of Department of EEE, from **Sri Bharathi Engineering College for Women, Pudukkottai** has been awarded II Prize in mini project competition “**TECHNOVATION 2019**” conducted on 02.03.2019 during the academic year 2018-2019.

A. P. Srinivas
HoD/EEE


Dr. S. THILAGAVATHI M.E., Ph.D.,
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This is to certify that S.MANJULA, IV year of Department of EEE, from **Sri Bharathi Engineering College for Women, Pudukkottai** has been awarded II Prize in mini project competition “**TECHNOVATION 2019**” conducted on 02.03.2019 during the academic year 2018-2019.

A. Binrose
HoD/EEE


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This is to certify that VANITHA.E, II year of Department of EEE, from **Sri Bharathi Engineering College for Women, Pudukkottai** has been awarded III Prize in mini project competition “**TECHNOVATION 2019**” conducted on 02.03.2019 during the academic year 2018-2019.

A. Pinnase
HoD/EEE

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This is to certify that PRASANNA P, II year of Department of EEE, from **Sri Bharathi Engineering College for Women, Pudukkottai** has been awarded III Prize in mini project competition “**TECHNOVATION 2019**” conducted on 02.03.2019 during the academic year 2018-2019.

A. Binuose
HoD/EEE


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This is to certify that SIYAMALADEVI S, II year of Department of EEE, from **Sri Bharathi Engineering College for Women, Pudukkottai** has been awarded III Prize in mini project competition “**TECHNOVATION 2019**” conducted on 02.03.2019 during the academic year 2018-2019.

A. Prinsan
HoD/EEE

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Criteria 2

Teaching-Learning and Evaluation

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

2018-2019

**ELECTRICAL AND ELECTRONICS
ENGINEERING**

PROBLEM SOLVING

PROJECT



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LIST OF STUDENTS-IV YEAR EEE- PROBLEM SOLVING METHOD

ACADEMIC YEAR 2018-2019

BATCH NO	REG NO	NAME	PROJECT TITLE	PROJECT SUPERVISOR
I	912615105001	ASWINI B	SOLAR ENERGY BASED SINGLE STAGED SWITCHED BOOST INVERTER	Mrs.R.AKILANDESWARI
	912615105004	DIVYADHARSHINI B		
	912615105012	SUGANYA A		
	912615105015	VAISHNAVI B		
II	912615105003	A.DHANALAKSHMI	HIGH EFFICIENCY TWO STAGE FIVE LEVEL GRID CONNECTED APPLICATIONS	Mrs.A.PRIMROSE
	912615105005	S.MANJULA		
	912615105007	R.PRAVEENA		
III	912615105002	MALINI K	ECONOMIC DISPATCH OF A HYBRID MICROGRID SYSTEM USING PSO	Mr.A.ABDUL BASEETH
	912615105006	PRAVEENA K		
	912615105013	SUWATHI D		
	912615105014	SWARNALATHA R		
IV	912615105008	PRIYADHARSHINI R	WIND ENERGY CONVERSION USING POWER ELECTRONICS CONTROLLER	Mr.J.SATHYARAJ
	912615105009	SANGEETHA M		
	912615105011	SANTHIYA RANI C		
	912615105301	AISHWARYA S		

A. Primrose
PROJECT COORDINATOR

[Signature]
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SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT

SOLAR ENERGY BASED SINGLE STAGE SWITCHED BOOST INVERTER

A PROJECT REPORT

Submitted by

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A.SUGANYA.	(912615105012)
B.VAISHNAVI	(912615105015)

In partial fulfilment for the award of the degree

of

**BACHELOR OF ENGINEERING
IN
ELECTRICAL AND ELECTRONICS ENGINEERING**



**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN,
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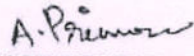
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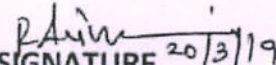
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BONAFIDE CERTIFICATE

Certified that this project report "SOLAR ENERGY BASED SINGLE STAGE SWITCHED BOOST INVERTER" is the bonafide work of "B. ASWINI(912615105001), B.DIVYADHARSHINI (912615105004), A.SUGANYA (912615105012),B.VAISHNAVI (912615105015)" who carried out the project work under my supervision.

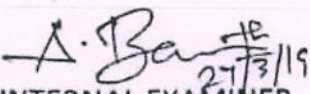

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INTERNAL EXAMINER


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**HIGH EFFICIENCY TWO STAGE FIVE LEVEL
GRID CONNECTED APPLICATION**



A PROJECT REPORT

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ECONOMIC DISPATCH OF A HYBRID MICROGRID SYSTEM USING PSO



A PROJECT REPORT

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Certified that this project report "ECONOMIC DISPATCH OF A HYBRID MICROGRID SYSTEM USING PSO" is the bonafide work of "K.PRAVEENA (912615105006), D.SUWATHI (912615105013), R.SWARNALATHA (912615105014), K.MALINI (912615105302)" who carried out the project work under my supervision.

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WIND ENERGY CONVERSION USING POWER ELECTRONICS CONTROLLER

A PROJECT REPORT

Submitted by

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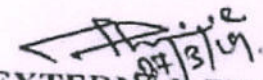
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INTERNAL EXAMINER


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