



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



Criteria 2

Teaching-Learning and Evaluation

350

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

2021-2022

**ELECTRONICS AND
COMMUNICATION ENGINEERING**

EXPERIENTIAL LEARNING

Activity	Number of Students Attended	Page No.
Internship	32	3
Project	12	36
Laboratory	20	47
Industrial Visit	26	54
TOTAL STUDENTS ATTENDED	90	-



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2

Teaching-Learning and Evaluation

350

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

2021-2022

**ELECTRONICS AND
COMMUNICATION ENGINEERING**

EXPERIENTIAL LEARNING

INTERNSHIP



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
(EXPERIENTIAL LEARNING METHOD- INTERNSHIP)

ACADEMIC YEAR (2021 – 2022)

S.NO	REG.NO	NAME	YEAR/SEM	NAME OF THE LEARNING METHOD
1	912618106001	ANUSHAA S	IV/VII	(EXPERIENTIAL LEARNING) (INTERNSHIP) (HI-TECH SOLUTION- NAGERCOIL)
2	912618106002	ARIVARASI A	IV/VII	
3	912618106003	ASMATH HAZEENA N	IV/VII	
4	912618106004	ATCHAYA R	IV/VII	
5	912618106005	JAYAPRIYA T	IV/VII	
6	912618106006	JAYASRI M	IV/VII	
7	912618106007	NAGALAKSHMI P	IV/VII	
8	912618106008	NAVITHRA D	IV/VII	
9	912618106009	ROHINI K	IV/VII	
10	912618106010	SOUNTHARYA P	IV/VII	
11	912618106012	THAIYAL NAYAGI K	IV/VII	
12	912618106701	JANANI R	IV/VII	
13	912619106001	AASHIMA M	III/VI	
14	912619106002	ANANTHI P	III/VI	
15	912619106004	JAFFARNISHA R	III/VI	
16	912619106005	MAHESWARI K	III/VI	
17	912619106006	MANISHA S	III/VI	
18	912619106007	MEGAVADHANA A	III/VI	
19	912619106008	PRIYANGA R	III/VI	
20	912619106009	RAGAVI V	III/VI	
21	912619106010	RAJAPRABA M	III/VI	
22	912619106011	SASIKA K	III/VI	
23	912620106001	ABIRAMI S	II/IV	(EXPERIENTIAL LEARNING) (INTERNSHIP) (STEPUP CONTROL-CHENNAI)
24	912620106002	ANUSHYA M	II/IV	
25	912620106003	ARTHI S	II/IV	
26	912620106004	JEYASRI K	II/IV	
27	912620106006	SENPAGAHARINI V	II/IV	
28	912620106007	SONIYA P	II/IV	
29	912620106301	ABITHA S	II/IV	
30	912620106302	DESIKA G	II/IV	
31	912620106303	SABAREESWARI S	II/IV	
32	912620106304	SUBBULAKSHMI P	II/IV	


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


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HOD / ECE
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COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.



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NAGERCOIL

www.hitechsolutions.info

CERTIFICATE OF INTERNSHIP


Date: 09/02/2022

This Certificate is Awarded to ANUSHAA S for successfully completing her Internship on Raspberry Pi Development Module.

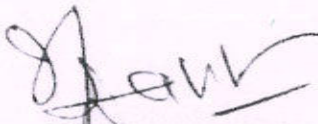
The Internship was conducted from 19.01.2022 to 08.02.2022.

We wish all success in her future Endeavors


Centre Incharge


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



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CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to ARIVARASI A for successfully completing her Internship on Raspberry Pi Development Module.

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CERTIFICATE OF INTERNSHIP


Date: 09/02/2022

*This Certificate is Awarded to **ASMATH HAZEENA N** for successfully completing her Internship on Raspberry Pi Development Module.*

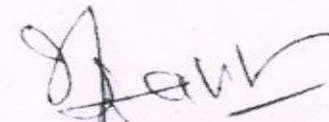
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Centre Incharge


Dr. S.THILAGAVATHI M.E.,Ph.D.,
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CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to **ATCHAYA R** *for successfully completing her Internship on Raspberry Pi Development Module.*

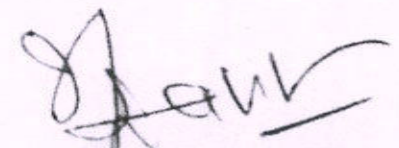
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CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to **JAYAPRIYA T** *for successfully completing her Internship on Raspberry Pi Development Module.*

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Centre Incharge


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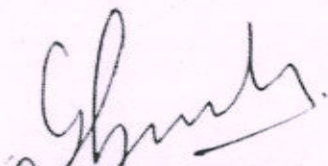
CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

*This Certificate is Awarded to **JAYASRI M** for successfully completing her Internship on Raspberry Pi Development Module.*

The Internship was conducted from 19.01.2022 to 08.02.2022.

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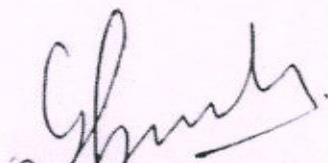
CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to **NAGALAKSHMI P** *for successfully completing her Internship on Raspberry Pi Development Module.*

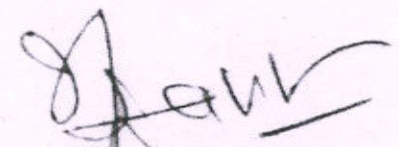
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CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to NAVITHRA D for successfully completing her Internship on Raspberry Pi Development Module.

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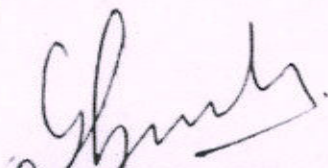
CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to **ROHINI K** *for successfully*
completing her Internship on Raspberry Pi Development Module.

The Internship was conducted from 19.01.2022 to 08.02.2022.

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Date: 09/02/2022

This Certificate is Awarded to **SOUNTHARYA P** *for successfully completing her Internship on Raspberry Pi Development Module.*

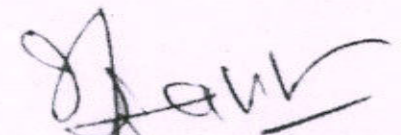
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Date: 09/02/2022

This Certificate is Awarded to **THAIYAL NAYAGI K** *for successfully completing her Internship on Raspberry Pi Development Module.*

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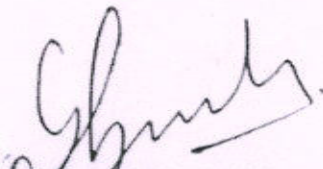
CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to JANANI R for successfully completing her Internship on Raspberry Pi Development Module.

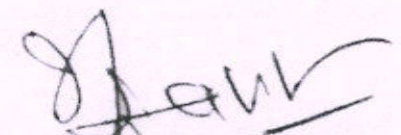
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Date: 09/02/2022

*This Certificate is Awarded to **AASHIMA M** for successfully completing her Internship on Raspberry Pi Development Module.*

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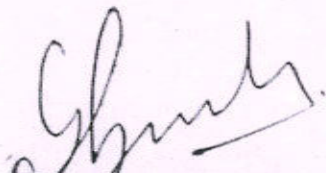
CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to ANANTHI P for successfully completing her Internship on Raspberry Pi Development Module.

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Date: 09/02/2022

This Certificate is Awarded to **JAFFARNISHA R** *for successfully completing her Internship on Raspberry Pi Development Module.*

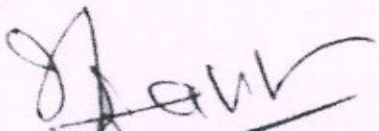
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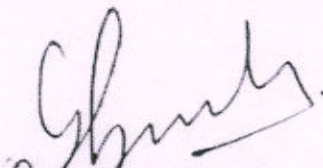
CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to **MAHESWARI K** *for successfully completing her Internship on Raspberry Pi Development Module.*

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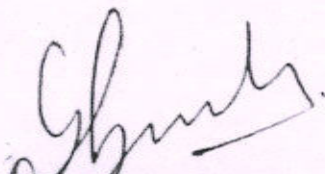
CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to **MANISHA S** *for successfully completing her Internship on Raspberry Pi Development Module.*

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Centre Incharge


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Managing Director



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CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to **MAGAVADHANA A** *for successfully completing her Internship on Raspberry Pi Development Module.*

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Centre Incharge


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CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to **PRIYANGA R** *for successfully completing her Internship on Raspberry Pi Development Module.*

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Centre Incharge


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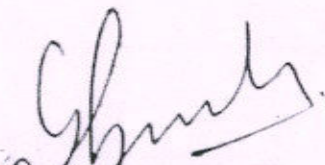
CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to RAGAVI V for successfully completing her Internship on Raspberry Pi Development Module.

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Centre Incharge


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CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

This Certificate is Awarded to **RAJAPRABA M** *for successfully completing her Internship on Raspberry Pi Development Module.*

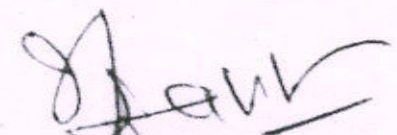
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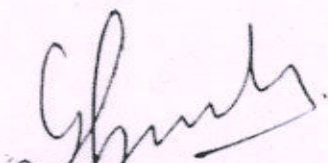
CERTIFICATE OF INTERNSHIP

Date: 09/02/2022

*This Certificate is Awarded to **SASIKA K** for successfully completing her Internship on Raspberry Pi Development Module.*

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Centre Incharge


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Managing Director

STEPUP

CONTROLS

STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur-77
Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

INTERNSHIP CERTIFICATE

Date: 11.02.2022

Certificate No: SUCIC2022027

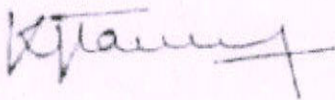
This is to certify that **Ms. ABIRAMI.S** (912620106001) second year Electronics and Communication Engineering student of **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai-622303 has done internship training (virtual mode) at our organization **STEPUP CONTROLS**, Ambattur, Tiruvallur from 19.01.2022 to 08.02.2022.

During this training, she gained knowledge on **Circuit Simulation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS



AUTHORIZED SIGNATORY

K.J.Tamil Selvan
(Project Engineer)



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

STEPUP

CONTROLS

STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

INTERNSHIP CERTIFICATE

Date: 11.02.2022

Certificate No: SUCIC2022028

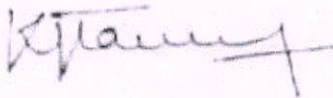
This is to certify that **Ms. ANUSHYA.M** (912620106002) second year Electronics and Communication Engineering student of **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai-622303 has done internship training (virtual mode) at our organization **STEPUP CONTROLS**, Ambattur, Tiruvallur from 19.01.2022 to 08.02.2022.

During this training, she gained knowledge on **Circuit Simulation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS



AUTHORIZED SIGNATORY

K.J.Tamil Selvan

(Project Engineer)



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PRINCIPAL
SRI BHARATHI ENGINEERING
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STEPUP

CONTROLS

STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77
Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

INTERNSHIP CERTIFICATE

Date: 11.02.2022

Certificate No: SUCIC2022029

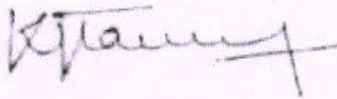
This is to certify that **Ms. ARTHIS** (912620106003) second year Electronics and Communication Engineering student of **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai-622303 has done internship training (virtual mode) at our organization **STEPUP CONTROLS**, Ambattur, Tiruvallur from 19.01.2022 to 08.02.2022.

During this training, she gained knowledge on **Circuit Simulation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS



AUTHORIZED SIGNATORY

K.J.Tamil Selvan
(Project Engineer)



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

STEPUP

CONTROLS

STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

INTERNSHIP CERTIFICATE

Date: 11.02.2022

Certificate No: SUCIC2022030

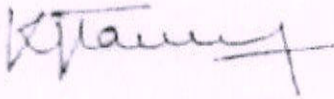
This is to certify that **Ms. JEYASRI.K** (912620106004) second year Electronics and Communication Engineering student of **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai-622303 has done internship training (virtual mode) at our organization **STEPUP CONTROLS**, Ambattur, Tiruvallur from 19.01.2022 to 08.02.2022.

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With Regards,

FOR STEPUP CONTROLS



AUTHORIZED SIGNATORY

K.J.Tamil Selvan
(Project Engineer)



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

STEPUP

CONTROLS

STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

INTERNSHIP CERTIFICATE

Date: 11.02.2022

Certificate No: SUCIC2022031

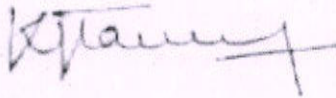
This is to certify that **Ms. SENPAGAHARINI.V** (912620106006) second year Electronics and Communication Engineering student of **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai-622303 has done internship training (virtual mode) at our organization **STEPUP CONTROLS**, Ambattur, Tiruvallur from 19.01.2022 to 08.02.2022.

During this training, she gained knowledge on **Circuit Simulation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS



AUTHORIZED SIGNATORY

K.J.Tamil Selvan

(Project Engineer)



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

**SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.**

STEPUP

CONTROLS

STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77
Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

INTERNSHIP CERTIFICATE

Date: 11.02.2022

Certificate No: SUCIC2022032

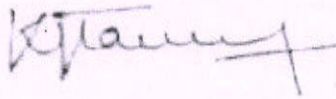
This is to certify that **Ms. SONIYA.P** (912620106007) second year Electronics and Communication Engineering student of **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai-622303 has done internship training (virtual mode) at our organization **STEPUP CONTROLS**, Ambattur, Tiruvallur from 19.01.2022 to 08.02.2022.

During this training, she gained knowledge on **Circuit Simulation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS



AUTHORIZED SIGNATORY

K.J.Tamil Selvan
(Project Engineer)



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

STEPUP

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STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur-77
Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

INTERNSHIP CERTIFICATE

Date: 11.02.2022

Certificate No: SUCIC2022033

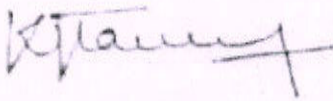
This is to certify that **Ms. ABITHA.S** (912620106301) second year Electronics and Communication Engineering student of **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai-622303 has done internship training (virtual mode) at our organization **STEPUP CONTROLS**, Ambattur, Tiruvallur from 19.01.2022 to 08.02.2022.

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We wish her all success.

With Regards,

FOR STEPUP CONTROLS



AUTHORIZED SIGNATORY

K.J.Tamil Selvan
(Project Engineer)



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

STEPUP

CONTROLS

STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur-77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

INTERNSHIP CERTIFICATE

Date: 11.02.2022

Certificate No: SUCIC2022035

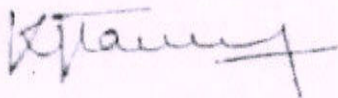
This is to certify that **Ms. SABARISHWARI.S** (912620106303) second year Electronics and Communication Engineering student of **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai-622303 has done internship training (virtual mode) at our organization **STEPUP CONTROLS**, Ambattur, Tiruvallur from 19.01.2022 to 08.02.2022.

During this training, she gained knowledge on **Circuit Simulation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS



AUTHORIZED SIGNATORY

K.J.Tamil Selvan
(Project Engineer)



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

STEPUP

CONTROLS

STEPUP CONTROLS

1218, Ayapakkam Housing Board Road, Annanur, Ambattur, Tiruvallur- 77

Contact: 9976820233, 9944081123. GST.No:33AWYPG8803F1ZA

INTERNSHIP CERTIFICATE

Date: 11.02.2022

Certificate No: SUCIC2022036

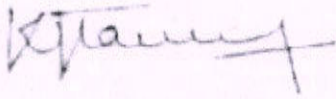
This is to certify that **Ms. SUBBULAKSHMI.P** (912620106304) second year Electronics and Communication Engineering student of **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai-622303 has done internship training (virtual mode) at our organization **STEPUP CONTROLS**, Ambattur, Tiruvallur from 19.01.2022 to 08.02.2022.

During this training, she gained knowledge on **Circuit Simulation**. Her conduct and character was **good**.

We wish her all success.

With Regards,

FOR STEPUP CONTROLS



AUTHORIZED SIGNATORY

K.J.Tamil Selvan
(Project Engineer)



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 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)

2021-2022


**ELECTRONICS AND
COMMUNICATION ENGINEERING
EXPERIENTIAL LEARNING
PROJECT**



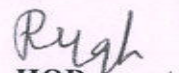
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

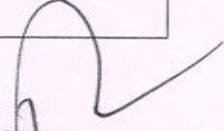
ACADEMIC YEAR (2021 – 2022)
BATCH LIST

S.N O	BATCH	REG NO	NAME	PROJECT TITLE	PROJECT SUPERVISOR
1	I	912618106001	ANUSHAA.S	ENVISION OF CROPS TO PREVENT AND REDUCE PESTICIDES AND FERTILIZERS USING RASPBERRY PI AND AI.	Mrs.R. Yogeshwari
		912618106002	ARIVARASIA		
		912618106003	ASMATH HAZEENA.N		
2	II	912618106004	ATCHAYA.R	TOURISM VILLAGE CARBON FOOTPRINT AFTER COVID-19- CO ₂ AIR QUALITY MONITORING USING IOT WITH REDUCED HARDWARE.	Mr.K.A.Muthulakshmi
		912618106008	NAVITHRA.D		
		912618106701	JANANI.R		
3	III	912618106006	JAYASRI.M	DESIGN AND DEVELOPMENT OF A MOBILE APP FOR ACCESSIBLE BUILDINGS	Mr.Palaniappan.C
		912618106007	NAGALAKSHMI.P		
		912618106009	ROHINI.K		
4	IV	912618106005	JAYAPRIYA.T	REAL TIME DETECTION AND REPORTING OF ROAD POTHOLES USING GPS.	Mrs.Nithyapoorani.V & Ms.Keerthana.P
		912618106010	SOUNTHARYA.P		
		912618106012	THAIYAL NAYAGI.K		


PROJECT CO ORDINATOR

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


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


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

**ENVISION OF CROPS TO PREVENT AND REDUCE
THE USAGE OF PESTICIDES AND FERTILIZERS
USING RASPBERRY PI AND AI**

A PROJECT REPORT

Submitted by

ANUSHAA.S	(912618106001)
ARIVARASI.A	(912618106002)
ASMATH HAZEENA.N	(912618106003)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING



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

ANNA UNIVERSITY: CHENNAI 600 025

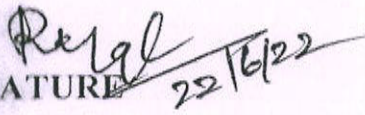
JUNE 2022


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

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE


Certified that this project report "ENVISION OF CROPS TO PREVENT AND REDUCE THE USAGE OF PESTICIDES AND FERTILIZERS USING RASPBERRY PI AND AI" is the bonafide work of "S.ANUSHAA (912618106001), A.ARIVARASI (912618106002), and N.ASMATH HAZEENA (912618106003) " who carried out the project work under my supervision.


SIGNATURE 22/6/22
Mrs. R.YOGESHWARI M.E.,
HEAD OF THE DEPARTMENT
Department of ECE,
Sri Bharathi Engineering
College for Women,
Kaikkurichi - 622 303


SIGNATURE
Mrs. R.YOGESHWARI M.E.,
SUPERVISOR
Department of ECE,
Sri Bharathi Engineering
College for Women,
Kaikkurichi - 622 303

Submitted for University Project Viva-Voce held on ..23/06/2022....


Internal Examiner 23/6/22


External Examiner


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

**TOURISM VILLAGE CARBON FOOTPRINT AFTER
COVID - 19 - CO2 AIR QUALITY MONITORING
USING IOT WITH REDUCED HARDWARE**

A PROJECT REPORT

Submitted by

**ATCHAYA.R (912618106004)
JANANI.R (912618106701)
NAVITHRA.D (912618106008)**

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING



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

ANNA UNIVERSITY : CHENNAI 600 025

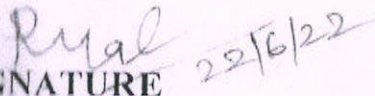
JUNE 2022



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

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

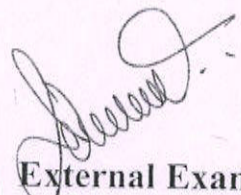
Certified that this project report "TOURISM VILLAGE CARBON FOOTPRINT AFTER COVID - 19 - CO2 AIR QUALITY MONITORING USING IOT WITH REDUCED HARDWARE" is the bonafide work of "ATCHAYA.R (912618106004), JANANI.R (912618106701), and NAVITHRA.D (912618106008)" who carried out the project work under my Supervision.



SIGNATURE 22/6/22
Mrs. R.YOGESHWARI M.E.,
HEAD OF THE DEPARTMENT
Assistant Professor
Department of ECE,
Sri Bharathi Engineering
College for Women,
Kaikkurichi - 622 303


SIGNATURE 22/06/2022
Ms. K.A.MUTHULAKSHMI M.E.,
SUPERVISOR
Assistant Professor
Department of ECE,
Sri Bharathi Engineering
College for Women,
Kaikkurichi - 622 303

Submitted for University Project viva-voce held on 23/06/2022


Internal Examiner


External Examiner


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

**DESIGN AND DEVELOPMENT OF A MOBILE APP
FOR ACCESSIBLE BUILDINGS.**

A PROJECT REPORT

Submitted by

JAYASRI M	(912618106006)
NAGALAKSHMI P	(912618106007)
ROHINI K	(912618106009)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI - 622 303



ANNA UNIVERSITY : CHENNAI 600 025

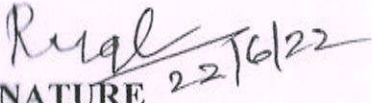
JUNE 2022



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

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

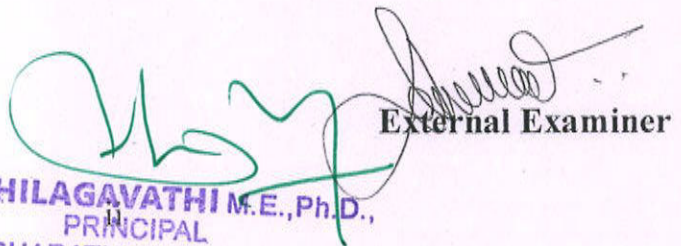
Certified that this project report "DESIGN AND DEVELOPMENT OF A MOBILE APP FOR ACCESSIBLE BUILDINGS" is the bonafide work of "JAYASRLM (912618106006), NAGALAKSHMI.P (912618106007), and ROHINI.K (912618106009)" who carried out the project work under my supervision.


SIGNATURE 22/6/22
Mrs.R.YOGESHWARI M.E.,
HEAD OF THE DEPARTMENT
Assistant Professor
Department of ECE,
Sri Bharathi Engineering College for
Women,
Pudukkottai-622 303.


SIGNATURE
Mr.C.PALANIAPPAN M.E.,Ph.D*
SUPERVISOR
Assistant Professor
Department of ECE,
Sri Bharathi Engineering College for
Women,
Pudukkottai-622 303.

Submitted for University Project Viva-Voce held on 23/06/22


Internal Examiner 23/6/22


External Examiner

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

**REAL TIME DETECTION AND REPORTING OF
ROAD POTHLES USING GPS**

A PROJECT REPORT

Submitted by

JAYAPRIYA.T (912618106005)

SOUNTHARYA.P (912618106010)

THAIYAL NAYAGI.K (912618106012)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING



**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN,
KAIKKURICHI, PUDUKKOTTAI – 622 303**

ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

i


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

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE


Certified that this project report "REAL TIME DETECTION AND REPORTING OF ROAD POTHOLE USING GPS" is the bonafide work of "T. JAYAPRIYA (912618106005), P. SOUNTHARYA (912618106010) and K. THAIYAL NAYAGI (912618106012)" who carried out the project work under my supervision.


SIGNATURE

Mrs. R. YOGESHWARI M.E.,

HEAD OF THE DEPARTMENT

Department of ECE
Sri Bharathi Engineering
College for Women,
Kaikkurichi-622 303


SIGNATURE

Mrs. V. NITHYAPOORANI M.E.,

Ms. P. KEERTHANA M.E.,

SUPERVISORS

Department of ECE
Sri Bharathi Engineering
College for Women
Kaikkurichi-622 303

Submitted for University Project viva-voce held on 23.06.2022.


Internal Examiner


External Examiner


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

Internal Marks Report

College Code / Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 106 - B.E. Electronics and Communication Engineering

Semester : 08

University : AUC

Regulation : 2017

S.No	Register Number	Name	EC8094	EC8811	GE8076
1	912618106001	ANUSHAA S	16	19	17
2	912618106002	ARIVARASI A	18	19	17
3	912618106003	ASMATH HAZEENA N	19	20	18
4	912618106004	ATCHAYA R	18	20	18
5	912618106005	JAYAPRIYA T	16	19	16
6	912618106006	JAYASRI M	18	19	18
7	912618106007	NAGALAKSHMI P	15	18	16
8	912618106008	NAVITHRA D	17	19	17
9	912618106009	ROHINI K	19	19	19
10	912618106010	SOUNTHARYA P	17	19	17
11	912618106012	THAIYAL NAYAGI K	18	20	17
12	912618106701	JANANI R	18	19	17



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 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)

2021-2022

**ELECTRONICS AND
COMMUNICATION ENGINEERING**

EXPERIENTIAL LEARNING

LABORATORY



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 (2021-2022)

EXPERIENCIAL LEARNING (LABORATORY COURSE-II YEAR)

EC8462 LINEAR INTEGRATED CIRCUITS LABORATORY

L T P C
0 0 4 2

OBJECTIVES:

1. To implement the basics of linear integrated circuits and available ICs
2. To describe the characteristics of the operational amplifier.
3. To apply operational amplifiers in linear and nonlinear applications.
4. To acquire the basic knowledge of special function IC.
5. To use SPICE software for circuit design

DESIGN AND TESTING OF THE FOLLOWING CIRCUITS

1. Inverting, Non inverting and differential amplifiers.
2. Integrator and Differentiator.
3. Instrumentation amplifier
4. Active low-pass, High-pass and band-pass filters.
5. Astable & Monostable multivibrators using Op-amp
6. Schmitt Trigger using op-amp.
7. Phase shift and Wien bridge oscillators using Op-amp.
8. Astable and Monostable multivibrators using NE555 Timer.
9. PLL characteristics and its use as Frequency Multiplier, Clock synchronization
10. R-2R Ladder Type D- A Converter using Op-amp. 11. DC power supply using LM317 and LM723. 12. Study of SMPS

SIMULATION USING SPICE:

1. Active low-pass, High-pass and band-pass filters using Op-amp
2. Astable and Monostable multivibrators using NE555 Timer.
3. A/ D converter
4. Analog multiplier

TOTAL: 60 PERIODS

Rygh
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
Kaikkurichi - 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 (2021-2022)

EXPERIENCIAL LEARNING (LABORATORY COURSE-II YEAR)

BATCH LIST

LABORATORY COURSE					
S.NO	BATCH	REG NO	NAME	LAB COURSE	YEAR/SEM
1	I	912620106001	ABIRAMI S	EC8462-Linear Integrated Circuits Laboratory	II/IV
		912620106002	ANUSHYA M		
		912620106003	ARTHI S		
2	II	912620106004	JEYASRI K		
		912620106006	SENPAGAHARINI V		
		912620106007	SONIYA P		
3	III	912620106301	ABITHA S		
		912620106302	DESIKA G		
		912620106303	SABAREESWARI S		
		912620106304	SUBBULAKSHMI P		

Ryab
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
Kaikkurichi - 622 303, Pudukkottai Dt.

Internal Marks Report

College Code / Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 106 - B.E. Electronics and Communication Engineering

Semester : 04

University : AUC

Regulation : 2017

S.No	Register Number	Name	EC8451	EC8452	EC8453	EC8461	EC8462	EC8491	GE8291	MA8451
1	912620106001	ABIRAMI S	18	18	19	20	20	20	18	19
2	912620106002	ANUSHYA M	15	16	15	19	19	16	14	16
3	912620106003	ARTHI S	15	15	15	19	18	15	15	14
4	912620106004	JEYASRI K	16	17	17	19	19	17	17	17
5	912620106006	SENPAAGAHARINI V	16	16	17	19	19	16	17	17
6	912620106007	SONIYA P	15	15	16	19	19	15	15	15
7	912620106301	ABITHA S	15	15	15	18	19	14	14	14
8	912620106302	DESIKA G	14	15	15	18	18	15	15	15
9	912620106303	SABAREESWARI S	15	15	15	19	17	15	15	15
10	912620106304	SUBBULAKSHMI P	14	14	14	14	17	14	14	14

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR (2021-2022)

EXPERIENCIAL LEARNING (LABORATORY COURSE-III YEAR)

EC8661

VLSI DESIGN LABORATORY

L T P C
0 0 4 2

OBJECTIVES:

The student should be made:

1. To learn Hardware Descriptive Language (Verilog/VHDL)
2. To learn the fundamental principles of VLSI circuit design in digital and analog
3. To familiarize fusing of logical modules on FPGAs
4. To provide hands on design experience with professional design (EDA) platforms

LIST OF EXPERIMENTS:

1. Design an Adder (Min 8 Bit) using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
2. Design a Multiplier (4 Bit Min) using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
3. Design an ALU using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
4. Design a Universal Shift Register using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
5. Design Finite State Machine (Moore/Mealy) using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
6. Design Memories using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA.

Part-II Digital Circuit Design (24 Periods)

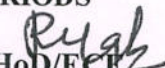
7. Design and simulate a CMOS inverter using digital flow
8. Design and simulate a CMOS Basic Gates & Flip-Flops
9. Design and simulate a 4-bit synchronous counter using a Flip-Flops Manual/Automatic Layout
10. Generation and Post Layout Extraction for experiments 7 to 9
11. Analyze the power, area and timing for experiments 7 to 9 by performing Pre Layout and Post Layout Simulations.

Part-III Analog Circuit Design (12 Periods)

10. Design and Simulate a CMOS Inverting Amplifier
11. Design and Simulate basic Common Source, Common Gate and Common Drain Amplifiers
Analyze the input impedance, output impedance, gain and bandwidth for experiments 10 and by performing Schematic Simulations.
12. Design and simulate simple 5 transistor differential amplifier. Analyze Gain,
13. Bandwidth and CMRR by performing Schematic Simulations.

TOTAL: 60 PERIODS


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ACADEMIC YEAR (2021-2022)

EXPERIENCIAL LEARNING (LABORATORY COURSE-III YEAR)

BATCH LIST

S.NO	BATCH	REG NO	NAME	LAB COURSE	YEAR/SEM
1	I	912619106001	AASHIMA M	EC8661- VLSI Design Laboratory	III/VI
		912619106002	ANANTHI P		
		912619106004	JAFFARNISHA R		
2	II	912619106005	MAHESWARI K		
		912619106006	MANISHA S		
		912619106007	MEGAVADHANA A		
3	III	912619106008	PRIYANGA R		
		912619106009	RAGAVI V		
4	IV	912619106010	RAJAPRABA M		
		912619106011	SASIKA K		


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PUDUKKOTTAI - 622 303

Internal Marks Report

College Code / Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 106 - B.E. Electronics and Communication Engineering

Semester : 06

University : AUC

Regulation : 2017

S.No	Register Number	Name	EC8004	EC8095	EC8611	EC8651	EC8652	EC8661	EC8681	EC8691	HS8581	MG8591
1	912619106001	AASHIMA M	14	13	93	13	15	19	18	14	16	15
2	912619106002	ANANTHI P	16	15	94	17	15	20	19	15	17	15
3	912619106004	JAFFARNISHA R	15	14	93	15	16	20	19	17	16	14
4	912619106005	MAHESWARI K	16	16	93	11	17	19	18	18	16	18
5	912619106006	MANISHA S	14	14	92	12	15	19	19	17	14	16
6	912619106007	MEGAVADHANA A	16	10	93	10	12	19	18	15	15	14
7	912619106008	PRIYANGA R	15	12	95	13	16	20	19	14	16	14
8	912619106009	RAGAVI V	15	16	94	14	16	19	18	15	16	15
9	912619106010	RAJAPRABA M	15	14	93	13	16	19	18	16	15	15
10	912619106011	SASIKA K	17	17	94	15	16	20	19	17	16	18


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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2

Teaching-Learning and Evaluation

350

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

2021-2022

**ELECTRONICS AND
COMMUNICATION ENGINEERING**

EXPERIENTIAL LEARNING

INDUSTRIAL VISIT



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

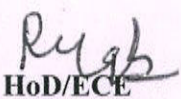
Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (EXPERIENTIAL LEARNING METHOD- INDUSTRIAL VISIT)

ACADEMIC YEAR (2021 – 2022)

S.NO	REG.NO	NAME	YEAR/SEM	NAME OF THE LEARNING METHOD
1	912618106001	ANUSHAA S	IV/VII	EXPERIENTIAL LEARNING INDUSTRIAL VISIT- SOLAR PLANT AT CHINNASAMY STADIUM, BANGALORE
2	912618106002	ARIVARASI A	IV/VII	
3	912618106003	ASMATH HAZEENA N	IV/VII	
4	912618106004	ATCHAYA R	IV/VII	
5	912618106005	JAYAPRIYA T	IV/VII	
6	912618106006	JAYASRI M	IV/VII	
7	912618106008	NAVITHRA D	IV/VII	
8	912618106012	THAIYAL NAYAGI K	IV/VII	
9	912619106001	AASHIMA M	III/VI	
10	912619106002	ANANTHI P	III/VI	
11	912619106004	JAFFARNISHA R	III/VI	
12	912619106005	MAHESWARI K	III/VI	
13	912619106006	MANISHA S	III/VI	
14	912619106007	MEGAVADHANA A	III/VI	
15	912619106008	PRIYANGA R	III/VI	
16	912619106009	RAGAVI V	III/VI	
17	912619106010	RAJAPRABA M	III/VI	
18	912619106011	SASIKA K	III/VI	
19	912620106001	ABIRAMI S	II/IV	
20	912620106002	ANUSHYA M	II/IV	
21	912620106003	ARTHI S	II/IV	
22	912620106004	JEYASRI K	II/IV	
23	912620106006	SENPAGAHARINI V	II/IV	
24	912620106301	ABITHA S	II/IV	
25	912620106302	DESIKA G	II/IV	
26	912620106303	SABAREESWARI S	II/IV	


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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI-PUDUKKOTTAI

DEPARTMENT OF ECE AND EEE

ACADEMIC YEAR 2021-22 EVEN SEMESTER

Date: 20.04.2022

From

Mrs.R.Yogeshwari & Mrs.B.Priya,
HOD/ ECE & HOD/EEE

To

The Principal,
Sri Bharathi Engineering College for Women,
Kaikkurichi,
Pudukkottai-622303.

Approved
20/4/22

Madam,

Sub - Tentative Industrial Visit Programme of ECE department students-approval requested-reg

I am submitting herewith a tentative Industrial Visit Programme for students of ECE and EEE department scheduled to be on 22.04.2022(Friday) and 23.04.2022(Saturday) for an educational visit to Bangalore and Mysore. I am furnishing herewith the particulars that may be required for favour of information and approval.

Number of IV year students ECE & EEE	= 08 + 08 = 16
Number of III year students ECE & EEE	= 10 + 10 = 20
Number of II year students ECE & EEE	= 08 + 07 = 15
Total number of students	= 26 + 25 = 51
Number of accompanying faculty	= 04
Number of seats required in the transport	= 55

List of accompanying faculty

1. Mrs.B.Priya, Assistant Professor/ EEE Department
2. Mr.J.Sathyaraj, Assistant Professor/ EEE Department
3. Ms.V.Nithyapoorani, Assistant Professor/ ECE Department
4. Ms.P.Keerthana, Assistant Professor/ ECE Department

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

PRINCIPAL

**SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN**

Kaikkurichi - 622 303, Pudukkottai Dt.

Permission for visit to solar power plant

4 messages

SPL <bpriyasivakumar@gmail.com>
To: office@ksca.co.in

20 April 2022 at 07:44

Respected sir,

I am B.Priya, working as a HOD/department of EEE in Sriharathi Engineering college for women, pudukkottai, Tamilnadu.

I am seeking approval for EEE(27 students) and ECE (27 students) students to takepart in an industrial visit to your solar power plant on April 22, 2022 for half a day. As you may be aware, students from our college have made regular field trips to the factory over the past 10 years, and faculties and parents agree that witnessing manufacturing up close is a valuable experience for the students. 4 faculty members will also be present to manage the students.

We are thankful for your response and look forward to your reply as early as possible.

--

Regards,
Mrs.B.Priya, 9942409311
HOD/EEE,
SBECW

SPL <bpriyasivakumar@gmail.com>
To: ceo@ksca.co.in

20 April 2022 at 08:04

[Quoted text hidden]

--

Regards,
Mrs.B.Priya,
HOD/EEE,
SBECW

Chief Executive Officer KSCA <ceo@ksca.co.in>
To: SPL <bpriyasivakumar@gmail.com>


20 April 2022 at 11:04

Cc: Santosh Menon <smsecretary@ksca.co.in>, General Manager Projects & Infra <gmpl@ksca.co.in>, Syamjith T <electrical@ksca.co.in>, Civil Engineering KSCA <civilengg@ksca.co.in>, Edward Diwakar <edward@ksca.co.in>

Dear Sir,

We are in receipt of your mail. The visit program for the Students on Friday 22nd April, 2022 has been approved. Please let us know the scheduled time of arrival.

Necessary do's and don'ts required to be followed during the visit will be explained to the students on arrival to the stadium. For any further clarification/directions, you may please contact Mr. Bheemaiah, Security Officer, Mobile No. 90083 41139.



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Regards

Col AK Sikdar(retd)
Offg CEO-KSCA

P.S.

Dear Syamjith, Ananth and Edward : Request coordinate the visit please.

[Quoted text hidden]

SPL <bpriyasivakumar@gmail.com>
To: jsathyaraj24@gmail.com

21 April 2022 at 20:35

[Quoted text hidden]



Dr. **S.THILAGAVATHI M.E., Ph.D.,**
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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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

Date : 20.04.2022

BONAFIDE CERTIFICATE

This is to certify that the following students of our college are studying II, III & IV Year of B.E/Electronics & Communication Engineering during this academic year 2021-2022.

II YEAR - ECE		
S.NO	REG.NO	NAME OF THE STUDENT
1.	912620106001	ABIRAMI S
2.	912620106002	ANUSHYA M
3.	912620106003	ARTHI S
4.	912620106004	JEYASRI K
5.	912620106006	SENPAGAHARINI V
6.	912620106301	ABITHA S
7.	912620106302	DESIKA G
8.	912620106303	SABAREESWARI S
III YEAR -ECE		
9	912619106001	AASHIMA M
10	912619106002	ANANTHI P
11	912619106004	JAFFARNISHA R
12	912619106005	MAHESWARI K
13	912619106006	MANISHA S
14	912619106007	MEGAVADHANA A
15	912619106008	PRIYANGA R
16	912619106009	RAGAVI V
17	912619106010	RAJAPRABA M
18	912619106011	SASIKA K


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ENGINEERING COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai Dt.

IV YEAR -ECE		
19	912618106001	ANUSHAA S
20	912618106002	ARIVARASI A
21	912618106003	ASMATH HAZEENA N
22	912618106004	ATCHAYA R
23	912618106005	JAYAPRIYA T
24	912618106006	JAYASRI M
25	912618106008	NAVITHRA D
26	912618106012	THAIYAL NAYAGI K

Accompanying Staff Members:

1. Mrs.V.Nithyapoorani Assistant Professor /ECE Department
2. Ms.P.Keerthana Assistant Professor/ECE Department



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SRI BHARATHI ENGINEERING
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KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT



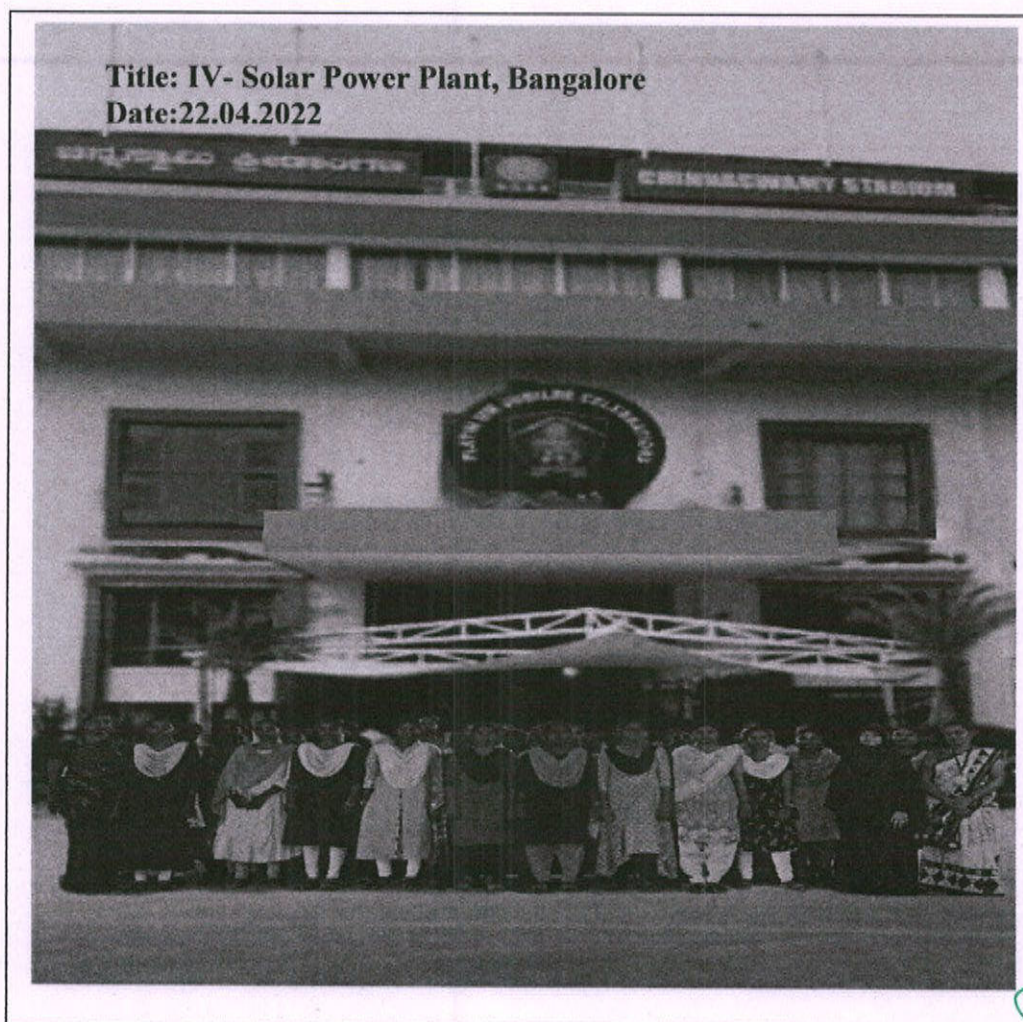
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

INDUSTRIAL VISIT-SUMMARY REPORT

The department of EEE (27) and ECE (27) totally, 54 students and 4 staff members visited the Solar Power Plant in Chinnaswamy Stadium, Bangalore at Karnataka on 22.04.2022. The focal point of this visit was the solar power plant that has been set up at the stadium. It consists of numerous solar panels spread across the stadium's roof. The students learned about the power generation process from absorbing sunlight through panels to converting this energy into usable electricity. It is the first cricket stadium in the world to use solar panels to generate a bulk of the electricity needed to run the stadium.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

In conclusion, our visit to the Chinnaswamy Stadium solar power plant was a valuable educational experience for EEE & ECE students. It highlighted the significance of solar power in addressing our energy needs in an environmentally friendly manner. This visit encouraged us to explore further opportunities and innovations in the field of renewable energy, as the students recognize its crucial role in shaping a sustainable and clean future.

Rugh
HoD/ECE
HOD / ECE
SRI BHARATHI ENGINEERING
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PUDUKKOTTAI - 622 303

[Signature]
Dr. S.THILAGAVATHI M.E., Ph.D.,
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