



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



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)

2020-2021

**ELECTRONICS AND
COMMUNICATION ENGINEERING
EXPERIENTIAL LEARNING**

Activity	Number of Students Attended	Page No.
Internship	19	3
Project	18	24
Laboratory	22	39
TOTAL STUDENTS ATTENDED	59	-



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)

2020-2021

**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
(EXPERIENCIAL LEARNING METHOD- INTERNSHIP)

ACADEMIC YEAR (2020 – 2021)

S.NO	REG.NO	NAME	YEAR/SEM	NAME OF THE LEARNING METHOD
1	912617106006	DHIVYA L	IV/VII	EXPERIENCIAL LEARNING) (INTERNSHIP) (GALWIN TECHNOLOGY- TRICHY)
2	912617106004	BAVADHARANI A	IV/VII	
3	912617106010	KANIMOZHI D	IV/VII	
4	912617106013	MAHESHWARI G	IV/VII	
5	912617106001	ABIRAMI S	IV/VII	EXPERIENCIAL LEARNING) (INTERNSHIP) (E-SOFT SOLUTIONS)
6	912617106005	BHUVANESHWARI B	IV/VII	
7	912617106009	INDHUMATHI S	IV/VII	
8	912617106018	SUBASHINI M	IV/VII	
9	912617106014	MANOHARI M	IV/VII	
10	912617106019	SUBASHINI T	IV/VII	
11	912617106020	VINTHIYA R	IV/VII	EXPERIENCIAL LEARNING) (INTERNSHIP) (BSNL-KARAIKUDI)
12	912618106001	ANUSHAA S	III/VI	
13	912618106002	ARIVARASI A	III/VI	
14	912618106003	ASMATH HAZEENA N	III/VI	
15	912618106004	ATCHAYA R	III/VI	
16	912618106005	JAYAPRIYA T	III/VI	
17	912618106010	SOUNTHARYA P	III/VI	
18	912618106012	THAIYAL NAYAGI K	III/VI	
19	912618106701	JANANI.R	III/VI	

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

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



**GALWIN
TECHNOLOGY**
Beyond Innovation

Certificate of Completion

INTERNSHIP

This is to certify that DHIVYA. I
(Reg no: 912617106006) IV year ECE - SR) BHARATHI
ENGINEERING COLLEGE FOR WOMEN has successfully completed his
INTERNSHIP on INTERNET OF THINGS [IoT] in our concern
from 04-1-2021 to 30-1-2021. We found his Performance during this internship period has
been satisfactory.

We wish all the best for his/ her future endeavors.

Lead Trainer

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

Managing Director



GALWIN
TECHNOLOGY
Beyond Innovation


Certificate of Completion

INTERNSHIP

This is to certify that BAVA DHARANI - A
(Reg no: 912617106004) IV year ECE - SRI BHARATHI
ENGINEERING COLLEGE FOR WOMEN has successfully completed his
INTERNSHIP on INTERNET OF THINGS (IOT) in our concern
from 04-1-2021 to 30-1-2021. We found his Performance during this internship period has
been satisfactory.

We wish all the best for his/ her future endeavors.


Lead Trainer


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



**GALWIN
TECHNOLOGY**
Beyond Innovation

Certificate of Completion

INTERNSHIP

This is to certify that KANIMOZHI - D

(Reg no: 912617106010) IV year ECE - SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN has successfully completed his
INTERNSHIP on INTERNET OF THINGS (IoT) in our concern
from 04-1-2021 to 30-1-2021. We found his Performance during this internship period has
been satisfactory.

We wish all the best for his/ her future endeavors.


Lead Trainer


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

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



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TECHNOLOGY**
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Certificate of Completion

INTERNSHIP

This is to certify that MAHESHWARTI - G
(Reg no: 912617106013) IV year ECE - SRI BHARATHI
ENGINEERING COLLEGE FOR WOMEN has successfully completed his
INTERNSHIP on INTERNET OF THINGS [IOT] in our concern
from 04-1-2021 to 30-1-2021. We found his Performance during this internship period has
been satisfactory.

We wish all the best for his/ her future endeavors.

Lead Trainer

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

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

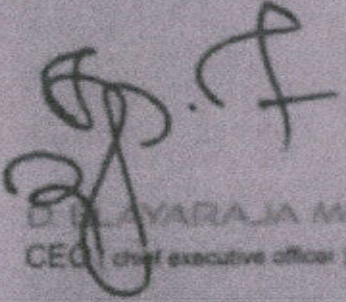
Managing Director

CERTIFICATE OF COMPLETION

INPLANT TRAINING

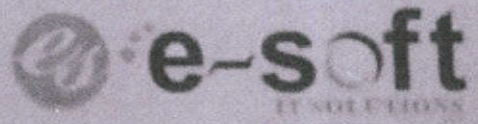
This is to certify that S. ABIRAMI, B.E. ECE, IV YEAR who is currently pursuing
in SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN has
enormously laid his / her efforts from 05.01.2021 to 29.01.2021

We congratulate his / her presence with us.


D. JAYARAJA MCA
CEO (chief executive officer)




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



145
1817
Evase Complex, Thilla Nagar, Trichy - 620 018
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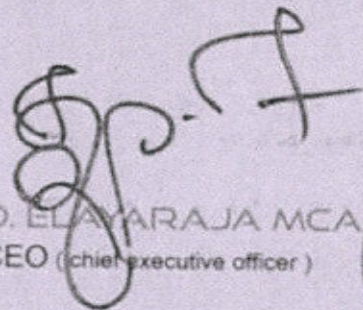
CERTIFICATE

OF COMPLETION

INPLANT TRAINING

This is to certify that S. INDHUMATHI, BE, ECE - IV YEAR who is currently pursuing in SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN has enormously laid his / her efforts from 05-01-2021 to 29-01-2021

We congratulate his / her presence with us.


D. ELAYARAJA MCA
CEO (chief executive officer)




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



145/74 C, IT Park, Srinivasa Complex, Thillai Nagar, Trichy - 620 018.
80724 20182 91504 43183 admin@e-soft.in www.e-soft.in

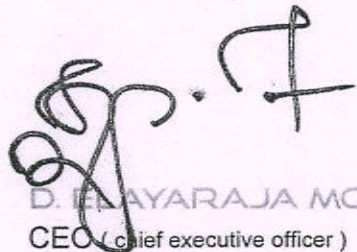


CERTIFICATE OF COMPLETION

INPLANT TRAINING

This is to certify that M. SUBASHINI BE - ECE who is currently pursuing
in SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN has
enormously laid his / her efforts from 05-01-2021 to 29-01-2021

We congratulate his / her presence with us.


D. ELAYARAJA MCA
CEO (chief executive officer)


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


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145/7, Sri Sarai Road, Srinivasa Complex, Thillai Nagar, Trichy - 620 018.
Kaikkurchi - 622 303, Pudukkottai
8072111111, 022303, Pudukkottai
admin@e-soft.in www.e-soft.in



CERTIFICATE

OF COMPLETION

INPLANT TRAINING

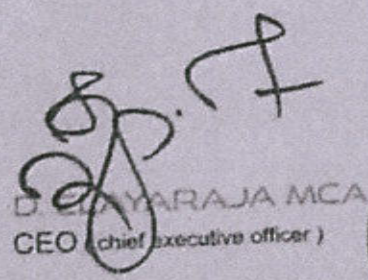
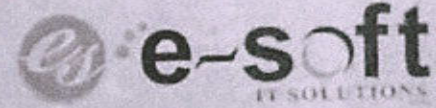
This is to certify that M. MANOHARL B.E. ECE. IV year who is currently pursuing
in SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN has
enormously laid his / her efforts from 05-01-2021 to 29-01-2021

We congratulate his / her presence with us.



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

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



D. SIVARAJA MCA
CEO (chief executive officer)



145/43, Sri Lakshmi Vasa Complex, Thillai Nagar, Trichy - 620 018
80724 20182 91504 43183 admin@e-soft.in www.e-soft.in

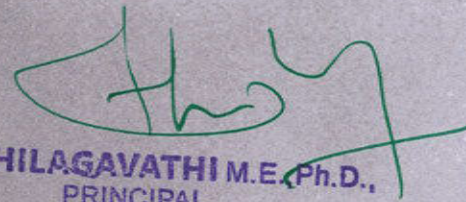


CERTIFICATE OF COMPLETION


INPLANT TRAINING

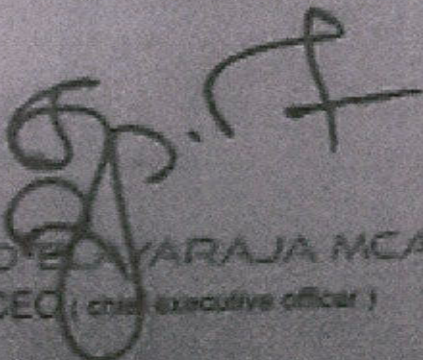
This is to certify that T. RUBASHINI. B.E. ECE. IV YEAR who is currently pursuing
in SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN has
enormously laid his / her efforts from 05-01-2021 to 29-01-2021

We congratulate his / her presence with us.



Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 383, Pudukkottai Dt.

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CEO (chief executive officer)



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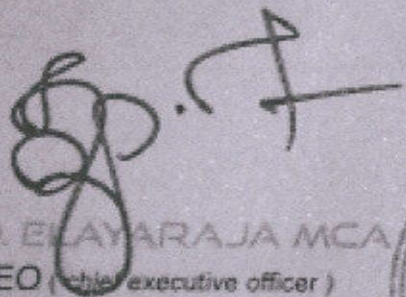


CERTIFICATE OF COMPLETION

INPLANT TRAINING

This is to certify that R.VINITHIYA.BE.ECE.IV YEAR who is currently pursuing
in SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN has
enormously laid his / her efforts from 05-01-2021 to 29-01-2021

We congratulate his / her presence with us.


D. ELAYARAJA MCA
CEO (Chief executive officer)




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


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BHARAT SANCHAR NIGAM LIMITED

भारत संचार निगम लिमिटेड

OFFICE OF THE GENERAL MANAGER TELECOM

No: 22, NETHAJI STREET, KARAIKUDI - 630 001.

Certificate No : 02

Course Certificate

This is to Certify that

Mr/Ms. S. ANUSHAA, BE (ECE) IV

studying SRI BHARATHI ENGINEERING COLLEGE

FOR WOMEN, PUDUKKOTTAI has undergone training in

"Fundamentals of Telecom" held at KARAIKUDI SSA from 20-08-2021

to 27-08-2021 for ONE WEEK

Karaiikudi,

Date : 17-08-2021 Dr. S. THILAGAVATHI M.E., Ph.D., KARAIKUDI

PRINCIPAL

SRI BHARATHI ENGINEERING

Kaikkurchi - 622 303, Pudukkottai Dt.

AGM (HR/ADMN) PANDYA

17/8/21



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OFFICE OF THE GENERAL MANAGER TELECOM

No: 22, NETHAJI STREET, KARAUKUDI - 630 001.

Certificate No : 05

Course Certificate

This is to Certify that

Mr/Ms. A. ARIVARASI, BE (ECE) IV

studying SRI BHARATHI ENGINEERING COLLEGE

FOR WOMEN, PUDUKKOTTAI has undergone training in


"Fundamentals of Telecom" held at KARAUKUDI SSA from 10-08-2021

to 17-08-2021 for ONE WEEK

Karaikudi,

Date : 17-08-2021.


Dr. S. THILAGAVATHI M.E., PH.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN


AGM (HR/ADMN)
O/oGM Telecom BSNL
KARAUKUDI

17/8/21
(A. PANDIYAN)



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भारत संचार निगम लिमिटेड

OFFICE OF THE GENERAL MANAGER TELECOM

No: 22, NETHAJI STREET, KARAIKUDI - 630 001.

Certificate No : 04

Course Certificate

This is to Certify that

Mr/Ms. N. ASMATH HAZEENA, BE (ECE) IV

studying SRI BHARATHI ENGINEERING COLLEGE

FOR WOMEN, PUDUZZIKKOTTAI has undergone training in

"Fundamentals of Telecom" held at KARAIKUDI SSA from 10-08-2021

to 17-08-2021 for ONE WEEK

Karaikudi,

Date : 17-08-2021 Dr. **S. THILAGAVATHI M.E., Ph.D.,** KARAIKUDI

PRINCIPAL
SRI BHARATHI ENGINEERING

(Signature)
AGM (HR/ADMN)
O/o GM Telecom BSNL

Kaikkurchi - 622 303, Pudukkottai Dt.



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BHARAT SANCHAR NIGAM LIMITED

भारत संचार निगम लिमिटेड

OFFICE OF THE GENERAL MANAGER TELECOM

No: 22, NETHAJI STREET, KARAIKUDI - 630 001.

Certificate No : 05

Course Certificate

This is to Certify that

Mr/Ms. R. ATCHAYA, BE (ECE) IV

studying SRI BHARATHI ENGINEERING COLLEGE

FOR WOMEN, PUDUKKOTTAI has undergone training in

"Fundamentals of Telecom" held at KARAIKUDI SSA from 10-08-2021

to 17-08-2021 for ONE WEEK

Karaiikudi,

Date : 17-08-2021


AGM (HR/ADMIN)
C/o GM Telecom BSNL
Dr. S. THILAGAVATHI M.E., Ph.D., KARAIKUDI
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

17/8/21
(A. PANDYAN)



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भारत संचार निगम लिमिटेड

OFFICE OF THE GENERAL MANAGER TELECOM

No: 22, NETHAJI STREET, KARAIKUDI - 630 001.

Certificate No : *06*

Course Certificate

This is to Certify that

Mr/Ms. *T. JAYAPRIYA, BE (ECE) IV*

studying *SRI BHARATHI ENGINEERING COLLEGE*

FOR WOMEN, PUDUKKOTTAI. has undergone training in

"Fundamentals of Telecom" held at *KARAIKUDI SSA* from *10-08-2021*

to *17-08-2021* for *ONE WEEK*

Karaiikudi,

Date : *17-08-2021.*

[Signature]
Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

[Signature] 17/8/21
AGM (HR/ADMN)
O/o GM Telecom BSNL
KARAIKUDI

022 303, Pudukkottai Dt.



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BHARAT SANCHAR NIGAM LIMITED

भारत संचार निगम लिमिटेड

OFFICE OF THE GENERAL MANAGER TELECOM

No: 22, NETHAJI STREET, KARAIKUDI - 630 001.

Certificate No : 07

Course Certificate

This is to Certify that

Mr/Ms. P. SOUNTHARYA, BE (ECE) IV

studying SRI BHARATHI ENGINEERING COLLEGE

FOR WOMEN, PUDUKKOTTAI, has undergone training in

"Fundamentals of Telecom" held at KARAIKUDI SSA from 10-08-2021

to 17-08-2021 for ONE WEEK

Karaiikudi,

Date : 17-08-2021

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

PRINCIPAL

SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN

Karaiikudi - 622 303, Pudukkottai Dt.

AGM (HR/ADMN)

O/o GM Telecom BSNL

17/8/21
CA PANDIYAN



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BHARAT SANCHAR NIGAM LIMITED

भारत संचार निगम लिमिटेड

OFFICE OF THE GENERAL MANAGER TELECOM

No: 22, NETHAJI STREET, KARAIKUDI - 630 001.

Certificate No : 08

Course Certificate

This is to Certify that

Mr/Ms. K. THAIYAL NAYAGI, BE (ECE) IV

studying SRI BHARATHI ENGINEERING COLLEGE

FOR WOMEN, PUDUKKOTTAI, has undergone training in

"Fundamentals of Telecom" held at KARAIKUDI SSA from 16-08-2021

to 17-08-2021 for ONE WEEK

Karaiikudi,

Date : 17-08-2021.


AGM (HR/ADMN)
O/o GM Telecom BSNL
KARAIKUDI
DR. S. THILAGAVATHI M.E., PH.D.
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
PUDUKKOTTAI, DIST. KARAIKUDI

17/8/21
(S. PANDYAN)



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BHARAT SANCHAR NIGAM LIMITED

भारत संचार निगम लिमिटेड

OFFICE OF THE GENERAL MANAGER TELECOM

No: 22, NETHAJI STREET, KARAIKUDI - 630 001.

Certificate No : 09

Course Certificate

This is to Certify that

Mr/Ms. R. JANANI, BE (ECE) IV

studying SRI BHARATHI ENGINEERING COLLEGE


FOR WOMEN, PIDUKKOTTAI has undergone training in


"Fundamentals of Telecom" held at KARAIKUDI SSA from 10-08-2021

to 17-08-2021 for ONE WEEK

Karaiikudi,

Date : 17-08-2021.


Dr. S. THILAGAVATHI M.E., P.D.
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kalkkuchi, 630 002, Pudukkottai, TN


17/8/21
(A. PANDIYAN)
AGM (HR/ADMN)

AGM Telecom BSNL
KARAIKUDI

CERTIFICATE

OF COMPLETION

INPLANT TRAINING

This is to certify that B. BHUVANESHWARI BE - ECE who is currently pursuing in SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN has enormously laid his / her efforts from 05.01.2021 to 29.01.2021

We congratulate his / her presence with us.


D. DAYARAJA MCA
CEO (chief executive officer)




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



145/7 SRI BHARATHI ENGINEERING Divasa Complex, Thillai Nagar, Trichy - 620 018.
80722 Kaikkurchi 622 303, Pudukkottai. admin@e-soft.in www.e-soft.in





SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2	Teaching-Learning and Evaluation	350
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Key Indicator- 2.3. Teaching- Learning Process (40)

2020-2021

**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 (2020 – 2021)

BATCH LIST

S.NO	BATCH	REG NO	NAME	PROJECT TITLE	PROJECT SUPERVISOR
1. \	I	912617106011	KAVYA.C	ARTIFICIAL VISION AID FOR BLIND PEOPLE USING OPTICAL CHARACTER RECOGNITION	Mrs.R.Yogeshwari
		912617106013	MAHESHWARI.G		
		912617106017	SAFRIN NISHA.S		
2.	II	912617106005	BHUVANESHWARI.B	IMPLEMENTATION OF AN EFFICIENTMULTIPLIER USING DADDA ALGORITHM	Ms.K.A.Muthulakshmi
		912617106012	KEERTHANA.G		
		912617106020	VINTHIYA.R		
3.	III	912617106003	ATSHAYA.R	C -SHAPED OPTICAL PATCH ANTENNA WITHCROSS-SHAPED STUB FOR QUAD-BAND THE OPERATION	Mr.C.Palaniappan
		912617106014	M.MANOHARI		
		912617106018	M.SUBASHINI		
4.	IV	912617106002	S.ABISHEKA	LOAD CELL BASED INDUSTRY PRODUCTS SAFETY SYSTEM USINGWIRELESS SENSOR NETWORK	Ms.Sagaya Mary
		912617106007	D.GOWSALYA		
		912617106019	T.SUBASHINI		
5.	V	912617106004	A.BAVADHARANI	IOT BASED ROBUST METHOD FORSMART INDUSTRY POLLUTIONMONITORINGAND CONTROLLINGSYSTEM	Mrs,Nithyapoorani
		912617106006	L. DHIVYA		
		912617106010	D.KANIMOZHI		
6	VI	912617106001	ABIRAMI S	DEVELOPMENT OF PORTABLE FIREFIGHTING ROBOT & EXTINGUISHERUSING ACOUSTIC WAVES	Mrs.R.Yogeshwari
		912617106015	INDHUMATHI S		
		912617106015	MARAGATHALAKSHMI S		

PROJECT CO ORDINATOR

Rygh
Thy
Dr. S. THILAGAVATHI
PRINCIPAL
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI,
Kaikkurichi - 622 303, Pudukkottai

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

**ARTIFICIAL VISION AID FOR BLIND PEOPLE USING
OPTICAL CHARACTER RECOGNITION**

A PROJECT REPORT

Submitted by

KAVYA.C	(912617106011)
MAHESHWARI.G	(912617106013)
SAFRIN NISHA.S	(912617106017)

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

APRIL 2021


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 "ARTIFICIAL VISION AID FOR BLIND PEOPLE USING OPTICAL CHARACTER RECOGNITION" is the bonafide work of "KAVYA.C (912617106011), MAHESHWARI.G (912617106013), SAFRIN NISHA.S (912617106017)" 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,
Pudukkottai-622 303


SIGNATURE

Mrs. R.YOGESHWARI M.E.,
SUPERVISOR

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

Submitted for university project viva-voce held on 6/8/21


INTERNAL EXAMINER


EXTERNAL EXAMINER

ii
* Due to COVID-19 pandemic situation the viva-voce was conducted through online mode.
Dr. S. THILAGAYATHI M.E., P.I.
PRINCIPAL
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

**IMPLEMENTATION OF AN EFFICIENT
MULTIPLIER USING DADDA ALGORITHM**

A PROJECT REPORT

Submitted by

BHUVANESHWARI. B (912617106005)

KEERTHANA. G (912617106012)

VINTHIYA. R (912617106020)

in partial fulfilment 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

APRIL 2021

i


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ANNA UNIVERSITY : CHENNAI - 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IMPLEMENTATION OF AN EFFICIENT MULTIPLIER USING DADDA ALGORITHM" is the bonafide work of "BHUVANESHWARI.B (912617106005), KEERTHANA.G (912617106012), and VINTHIYA.R (912617106020)" who carried out the project work under my supervision.


SIGNATURE

Mrs. R.YOGESHWARI M.E.,
HEAD OF THE DEPARTMENT

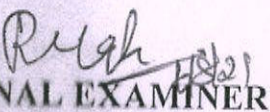
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Submitted for University Project Viva-Voce held on 6.08.21


INTERNAL EXAMINER


EXTERNAL EXAMINER

* Due to COVID-19 pandemic-situations the viva-voce was conducted ⁱⁱ through online mode.

Dr. S.THILAGAVATHI M.E., Ph.D.,
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Kaikkurchi - 622 303, Pudukkottai Dt.



**C SHAPED OPTICAL PATCH ANTENNA WITH
CROSS-SHAPED STUB FOR QUAD-BAND THz
OPERATION**

A PROJECT REPORT

Submitted by

**ATSHAYA.R (912617106003)
MANOHARI.M (912617106014)
SUBASHINI.M (912617106018)**

in partial fulfilment for the award of the degree

of

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in

ELECTRONICS AND COMMUNICATION ENGINEERING



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN,

KAIKKURICHI, PUDUKKOTTAI - 622 303

ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2021


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Kaikkurichi - 622 303, Pudukkottai Dt.**

ANNA UNIVERSITY: CHENNAI 600 025

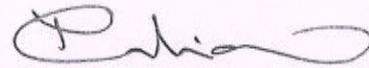
BONAFIDE CERTIFICATE

Certified that this project report "C SHAPED OPTICAL PATCH ANTENNA WITH CROSS-SHAPED STUB FOR QUAD-BAND THz OPERATION" is the bonafide work of "ATSHAYA.R (912617106003), MANOHARI.M (912617106014), and SUBASHINI.M (912617106018)" who carried out the project work under my supervision.


SIGNATURE

**Mrs. R. YOGESHWARI M.E.,
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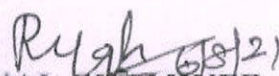
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**Mr. C. PALANIAPPAN M.E.,
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Pudukkottai-622 303

Submitted for University Project Viva-Voce held on

6/8/21


INTERNAL EXAMINER

* Due to COVID-19 pandemic situations the Viva-Voce was conducted through online mode.

EXTERNAL EXAMINER *


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**LOAD CELL BASED INDUSTRY PRODUCTS SAFETY
SYSTEM USING WIRELESS SENSOR NETWORK**

A PROJECT REPORT

Submitted by

ABISHEKA.S (912617106002)

GOWSALYA.D (912617106007)

SUBASHINI.T (912617106019)

in partial fulfillment for the award of the degree

of

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in

ELECTRONICS AND COMMUNICATION ENGINEERING



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN,

KAIKKURUCHI, PUDUKKOTTAI-600 303.

ANNA UNIVERSITY:: CHENNAI-600 025

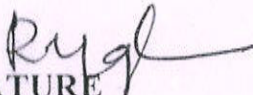
APRIL 2021

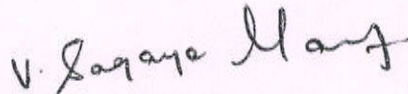
Dr. S.THILAGAVATHI M.E., Ph.D.,
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BONAFIDE CERTIFICATE


Certified that this project report "LOAD CELL BASED INDUSTRY PRODUCT SAFETY SYSTEM USING WIRELESS SENSOR NETWORK" is the bonafide work of "ABISHEKA.S (912617106002), GOWSALYA.D (912617106007) and SUBASHINI.T (912617106019)" who carried out the project work under my supervision.


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Submitted for University Project Viva-Voce held on 6-08-21


Internal Examiner


External Examiner

*. Due to COVID-19 pandemic situations The viva-voce was conducted through online mode.


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**IOT BASED ROBUST METHOD FOR SMART
INDUSTRY POLLUTION MONITORING AND
CONTROLLING SYSTEM**

A PROJECT REPORT

Submitted by

BAVADHARANI.A (912617106004)

DHIVYA.L (912617106006)

KANIMOZHI.D (912617106010)

in partial fulfilment for the award of the degree

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ELECTRONICS AND COMMUNICATION ENGINEERING



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ANNA UNIVERSITY :: CHENNAI 600 025

APRIL 2021

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED ROBUST METHOD OF SMART INDUSTRY POLLUTION MONITORING AND CONTROLLING SYSTEM" is the bonafide work of "BAVADHARANI.A (912617106004), DHIVYA.L (912617106006), and KANIMOZHIL.D (912617106010)" who carried out the project work under my supervision.

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Pudukkottai-622 303

Submitted for University Project Viva-Voce held on

6/8/21

Internal Examiner

External Examiner

ii

* Due to COVID-19
voce was conducted

pandemic situation the viva-
Through

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

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

**DEVELOPMENT OF PORTABLE FIRE FIGHTING
ROBOT USING ACOUSTIC WAVES**

A PROJECT REPORT

Submitted by

ABIRAMLS (912617106001)
INDHUMATHLS (912617106009)
MARAGATHALAKSHMLS (912617106015)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING



**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN,
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ANNA UNIVERSITY:: CHENNAI 600 025

APRIL 2021

i


**Dr. S.THILAGAVATHI M.E., Ph.D.,
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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DEVELOPMENT OF PORTABLE FIRE FIGHTING ROBOT USING ACOUSTIC WAVES" is a bonafide work of "ABIRAMLS (912617106001), INDHUMATHIS (912617106009), and MARAGATHALAKSHMIS (912617106015)" who carried out the project work under my supervision.

SIGNATURE

Mrs. R.YOGESHWARI M.E.,
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Pudukkottai-622 303.

Submitted for university project viva-voce held on

6/8/21

Internal Examiner

External Examiner *

*. Due to covid-19 pandemic situations was conducted through online mode

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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	EC8072	EC8094	EC8811
1	912617106001	ABIRAMI S	18	18	19
2	912617106002	ABISHEKA S	17	18	18
3	912617106003	ATSHAYA R	17	17	18
4	912617106004	BAVADHARANI A	16	17	18
5	912617106005	BHUVANESHWARI B	17	18	18
6	912617106006	DHIVYA L	18	17	19
7	912617106007	GOWSALYA D	18	18	18
8	912617106009	INDHUMATHI S	16	16	17
9	912617106010	KANIMOZHI D	18	19	19
10	912617106011	KAVYA C	18	19	20
11	912617106012	KEERTHANA G	18	17	18
12	912617106013	MAHESHWARI G	17	16	18
13	912617106014	MANOHARI M	16	17	18
14	912617106015	MARAGATHALAKSHMI S	16	18	18
15	912617106017	SAFRIN NISHA S	18	18	18
16	912617106018	SUBASHINI M	17	16	18
17	912617106019	SUBASHINI T	18	17	19
18	912617106020	VINTHIYA R	19	19	19


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 Kaikkavadi - 622 503, Pudukkottai - 57.



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)

2020-2021

**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 (2020-2021)

EXPERIENCIAL LEARNING (LABORATORY COURSE-II YEAR)

EC8461 CIRCUITS DESIGN AND SIMULATION LABORATORY L T P C

OBJECTIVES:

1. To gain hands on experience in designing electronic circuits
2. To learn simulation software used in circuit design
3. To implement the fundamental principles of amplifier circuits
4. To differentiate feedback amplifiers and oscillators.
5. To differentiate the operation of various multivibrators

0 0 4 2

DESIGN AND ANALYSIS OF THE FOLLOWING CIRCUITS

1. Series and Shunt feedback amplifiers-Frequency response, Input and output impedance
2. RC Phase shift oscillator and Wien Bridge Oscillator
3. Hartley Oscillator and Colpitts Oscillator
4. Single Tuned Amplifier
5. RC Integrator and Differentiator circuits
6. Astable and Monostable multivibrators
7. Clippers and Clampers

SIMULATION USING SPICE (Using Transistor):

1. Tuned Collector Oscillator
2. Twin -T Oscillator / Wein Bridge Oscillator
3. Double and Stagger tuned Amplifiers
4. Bistable Multivibrator
5. Schmitt Trigger circuit with Predictable hysteresis
6. Analysis of power amplifier

TOTAL: 60 PERIODS

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



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 (2020-2021)

EXPERIENCIAL LEARNING (LABORATORY COURSE-II YEAR)

BATCH LIST

S.NO	BATCH	REG NO	NAME	LAB COURSE	YEAR/SEM
1	I	912619106001	AASHIMA M	EC8461 Circuits Design and Simulation Laboratory	II/IV
		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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ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Assessment Details Entered
APRIL / MAY EXAMINATION, 2021 - EXAMINATIONS

Inst Code & Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 106 : B.E. Electronics and Communication Engineering University : AUC
Semester : 04

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr 2	IM 2	Attend hr 3	Tot hr 3	IM 3	Attend hr 4	Total hr 4	IM 4	
912619106001	AASHIMA M	EC8451	13	15	15	15	80	13	15	70	15	15	84	
		EC8452	11	12	12	12	80	10	11	86	10	10	85	
		EC8453	10	12	12	12	73	10	11	82	10	10	80	
		EC8461										60	60	92
		EC8462										60	60	82
		EC8491	11	12	12	12	85	10	11	85	10	10	85	
		GE8291	11	11	12	12	74	12	12	80	10	10	90	
		MA8451	15	16	15	15	87	15	15	75	14	14	85	
912619106002	ANANTHI P	EC8451	9	15	15	15	95	15	15	80	15	15	90	
		EC8452	8	12	12	12	88	11	11	94	10	10	93	
		EC8453	8	12	12	12	82	11	11	93	10	10	92	
		EC8461										60	60	97
		EC8462										60	60	90
		EC8491	8	12	12	12	85	11	11	83	10	10	90	
		GE8291	7	11	12	12	62	12	12	90	10	10	95	
		MA8451	10	16	15	15	96	15	15	88	14	14	95	
912619106004	JAFFARNISHA R	EC8451	12	15	12	15	78	13	15	93	15	15	85	
		EC8452	10	12	9	12	72	9	11	80	10	10	80	
		EC8453	10	12	12	12	69	10	11	86	10	10	85	
		EC8461										51	60	76
		EC8462										51	60	76
		EC8491	10	12	9	12	70	10	11	93	10	10	85	
		GE8291	10	11	9	12	61	11	12	73	10	10	70	
		MA8451	13	16	12	15	82	11	15	79	14	14	84	
912619106005	MAHESWARI K	EC8451	15	15	15	15	95	15	15	95	15	15	86	
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		EC8453	12	12	12	12	91	11	11	94	10	10	92	
		EC8461										60	60	94
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		GE8291	11	11	12	12	70	12	12	76	10	10	90	
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912619106006	MANISHA S	EC8451	15	15	12	15	87	13	15	70	15	15	88	
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		EC8453	12	12	9	12	83	9	11	82	10	10	87	
		EC8461										51	60	77
		EC8462										51	60	78
		EC8491	12	12	9	12	65	9	11	73	10	10	88	
		GE8291	11	11	9	12	64	10	12	83	10	10	85	
		MA8451	16	16	11	15	78	11	15	80	14	14	87	
912619106007	MEGAVADHANA A	EC8451	14	15	12	15	70	14	15	93	15	15	82	
		EC8452	12	12	9	12	80	10	11	90	10	10	88	
		EC8453	11	12	10	12	75	9	11	84	10	10	88	
		EC8461										54	60	80
		EC8462										51	60	77
		EC8491	10	12	10	12	80	9	11	100	10	10	86	
		GE8291	8	11	10	12	60	12	12	73	10	10	90	
		MA8451	14	16	12	15	72	15	15	75	14	14	85	
912619106008	PRIYANGA R	EC8451	14	15	15	15	87	15	15	100	15	15	84	
		EC8452	10	12	12	12	84	11	11	94	10	10	92	
		EC8453	11	12	12	12	72	11	11	92	10	10	84	
		EC8461										60	60	91
		EC8462										60	60	90

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ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Assessment Details Entered

APRIL / MAY EXAMINATION, 2021 - EXAMINATIONS

Inst Code & Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

	EC8491	11	12	12	12	72	11	11	90	10	10	88
	GE8291	10	11	12	12	66	12	12	80	10	10	88
	MA8451	15	16	15	15	92	15	15	84	14	14	86
912619106009	RAGAVI V	EC8451	15	15	15	15	82	15	15	88	15	86
	EC8452	12	12	12	12	84	11	11	92	10	10	90
	EC8453	12	12	12	12	84	10	11	91	10	10	88
	EC8461									60	60	92
	EC8462									60	60	92
	EC8491	12	12	12	12	75	11	11	100	10	10	90
	GE8291	11	11	12	12	67	12	12	83	10	10	88
	MA8451	16	16	15	15	89	15	15	82	14	14	88
912619106010	RAJAPRABA M	EC8451	15	15	12	15	70	13	15	88	15	85
	EC8452	12	12	9	12	74	9	11	88	10	10	90
	EC8453	12	12	9	12	73	10	11	83	10	10	87
	EC8461									51	60	78
	EC8462									51	60	79
	EC8491	12	12	9	12	62	11	11	93	10	10	87
	GE8291	11	11	9	12	70	10	12	70	10	10	85
	MA8451	16	16	11	15	75	14	15	78	14	14	84
912619106011	SASIKA K	EC8451	15	15	12	15	77	13	15	80	15	84
	EC8452	12	12	9	12	88	9	11	82	10	10	85
	EC8453	12	12	9	12	79	11	11	90	10	10	89
	EC8461									51	60	80
	EC8462									51	60	80
	EC8491	12	12	9	12	85	11	11	93	10	10	85
	GE8291	11	11	9	12	72	10	12	70	10	10	82
	MA8451	16	16	11	15	74	12	15	77	14	14	88


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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 (2020-2021)

EXPERIENTIAL LEARNING (LABORATORY COURSE-III YEAR)

EC8681 MICROPROCESSORS AND MICROCONTROLLERS LABORATORY L T P C
0 0 4 2

OBJECTIVES:

1. To Introduce ALP concepts, features and Coding methods
2. Write ALP for arithmetic and logical operations in 8086 and 8051
3. Differentiate Serial and Parallel Interface
4. Interface different I/Os with Microprocessors
5. Be familiar with MASM

LIST OF EXPERIMENTS:

8086 Programs using kits and MASM

1. Basic arithmetic and Logical operations
2. Move a data block without overlap
3. Code conversion, decimal arithmetic and Matrix operations
4. Floating point operations, string manipulations, sorting and searching
5. Password checking, Print RAM size and system date
6. Counters and Time Delay

Peripherals and Interfacing Experiments

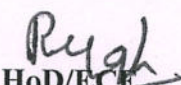
7. Traffic light controller
8. Stepper motor control
9. Digital clock
10. Key board and Display
11. Printer status
12. Serial interface and Parallel interface
13. A/D and D/A interface and Waveform Generation

8051 Experiments using kits and MASM

14. Basic arithmetic and Logical operations
15. Square and Cube program, Find 2's complement of a number
16. Unpacked BCD to ASCII

TOTAL: 60 PERIODS


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ACADEMIC YEAR (2020-2021)

EXPERIENTIAL LEARNING (LABORATORY COURSE-III YEAR)

BATCH LIST

S.NO	BATCH	REG NO	NAME	LAB COURSE	YEAR/SEM
1	I	912618106001	ANUSHAA S	EC8681 Microprocessors and Microcontrollers Laboratory	III/VI
		912618106002	ARIVARASI A		
		912618106003	ASMATH HAZEENA N		
2	II	912618106004	ATCHAYA R		
		912618106005	JAYAPRIYA T		
		912618106006	JAYASRI M		
3	III	912618106007	NAGALAKSHMI P		
		912618106008	NAVITHRA D		
		912618106009	ROHINI K		
4	IV	912618106010	SOUNTHARYA P		
		912618106012	THAIYAL NAYAGI K		
		912618106701	JANANI.R		

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[Signature]
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Assessment Details Entered

APRIL / MAY EXAMINATION, 2021 - EXAMINATIONS

Inst Code & Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 106 : B.E. Electronics and Communication Engineering
Semester : 06

University : AUC

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr 2	IM 2	Attend hr 3	Tot hr 3	IM 3	Attend hr 4	Total hr 4	IM 4		
912618106001	ANUSHAA S	EC8004	12	12	12	12	73	11	11	87	10	10	92		
		EC8095	12	12	12	12	92	11	11	93	10	10	92		
		EC8611										30	30	97	
		EC8651	12	12	12	12	88	11	11	92	10	10	95		
		EC8652	12	12	12	12	96	11	11	100	10	10	92		
		EC8661										60	60	97	
		EC8681										60	60	97	
		EC8691	12	12	12	12	82	10	11	86	10	10	10	93	
		HS8581											30	30	98
		MG8591	12	12	12	12	92	11	11	100	10	10	10	93	
912618106002	ARIVARASI A	EC8004	10	12	12	12	73	11	11	97	10	10	92		
		EC8095	10	12	11	12	77	11	11	87	10	10	90		
		EC8611										30	30	97	
		EC8651	10	12	11	12	90	11	11	94	10	10	95		
		EC8652	10	12	12	12	93	11	11	96	10	10	94		
		EC8661										60	60	97	
		EC8681										60	60	97	
		EC8691	10	12	12	12	81	11	11	95	10	10	10	94	
		HS8581											30	30	98
		MG8591	10	12	12	12	97	11	11	100	10	10	10	94	
912618106003	ASMATH HAZEENA N	EC8004	11	12	11	12	80	10	11	90	10	10	94		
		EC8095	11	12	12	12	80	11	11	83	10	10	93		
		EC8611										30	30	97	
		EC8651	11	12	12	12	94	10	11	94	10	10	96		
		EC8652	11	12	11	12	100	10	11	100	10	10	93		
		EC8661										60	60	97	
		EC8681										60	60	98	
		EC8691	11	12	11	12	90	10	11	92	10	10	10	94	
		HS8581											30	30	99
		MG8591	11	12	11	12	98	11	11	97	10	10	10	94	
912618106004	ATCHAYA R	EC8004	8	12	12	12	70	11	11	97	10	10	96		
		EC8095	8	12	12	12	93	11	11	92	10	10	96		
		EC8611										30	30	98	
		EC8651	8	12	12	12	94	11	11	96	10	10	98		
		EC8652	8	12	12	12	92	10	11	100	10	10	96		
		EC8661										60	60	98	
		EC8681										60	60	98	
		EC8691	8	12	12	12	82	11	11	96	10	10	10	97	
		HS8581											30	30	99
		MG8591	8	12	12	12	93	11	11	100	10	10	10	97	
912618106005	JAYAPRIYA T	EC8004	8	12	12	12	87	11	11	75	10	10	90		
		EC8095	8	12	12	12	70	10	11	77	10	10	92		
		EC8611										30	30	95	
		EC8651	8	12	12	12	82	11	11	90	10	10	93		
		EC8652	8	12	12	12	90	11	11	88	10	10	91		
		EC8661										60	60	96	
		EC8681										60	60	97	
		EC8691	8	12	12	12	74	11	11	78	10	10	10	90	
		HS8581											30	30	96
		MG8591	8	12	12	12	70	11	11	87	10	10	10	92	
912618106006	JAYASRI M	EC8004	11	12	11	12	88	11	11	90	10	10	98		
		EC8095	11	12	11	12	88	11	11	90	10	10	99		
		EC8611										30	30	99	

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	EC8651	11	12	12	12	96	11	11	98	10	10	100	
	EC8652	11	12	12	12	98	10	11	98	10	10	99	
	EC8661									60	60	99	
	EC8681									60	60	100	
	EC8691	11	12	12	12	89	11	11	94	10	10	98	
	HS8581									30	30	99	
	MG8591	11	12	11	12	98	11	11	100	10	10	99	
912618106007	NAGALAKSHMI P	EC8004	7	12	9	12	80	9	11	85	10	10	90
	EC8095	7	12	9	12	72	9	11	53	10	10	93	
	EC8611									30	30	95	
	EC8651	7	12	10	12	82	11	11	88	10	10	92	
	EC8652	7	12	9	12	87	10	11	82	10	10	90	
	EC8661									57	60	95	
	EC8681									57	60	97	
	EC8691	7	12	9	12	69	10	11	81	10	10	91	
	HS8581									30	30	96	
	MG8591	7	12	9	12	90	9	11	82	10	10	91	
912618106008	NAVITHRA D	EC8004	10	12	11	12	80	11	11	83	10	10	88
	EC8095	10	12	11	12	82	9	11	82	10	10	92	
	EC8611									30	30	95	
	EC8651	10	12	12	12	86	11	11	90	10	10	93	
	EC8652	10	12	12	12	98	11	11	95	10	10	91	
	EC8661									57	60	95	
	EC8681									57	60	97	
	EC8691	10	12	12	12	71	11	11	80	10	10	92	
	HS8581									30	30	95	
	MG8591	10	12	11	12	93	10	11	50	10	10	92	
912618106009	ROHINI K	EC8004	7	12	10	12	92	11	11	73	10	10	98
	EC8095	7	12	9	12	94	11	11	88	10	10	99	
	EC8611									30	30	99	
	EC8651	7	12	12	12	96	11	11	98	10	10	100	
	EC8652	7	12	10	12	96	11	11	92	10	10	99	
	EC8661									57	60	99	
	EC8681									57	60	100	
	EC8691	7	12	10	12	74	10	11	79	10	10	99	
	HS8581									30	30	99	
	MG8591	7	12	10	12	95	11	11	100	10	10	99	
912618106010	SOUNTHARYA P	EC8004	11	12	11	12	97	10	11	100	10	10	94
	EC8095	11	12	11	12	90	9	11	93	10	10	97	
	EC8611									30	30	97	
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	EC8652	11	12	11	12	100	9	11	100	10	10	94	
	EC8661									60	60	97	
	EC8681									60	60	97	
	EC8691	11	12	11	12	76	9	11	96	10	10	95	
	HS8581									30	30	97	
	MG8591	11	12	11	12	93	10	11	100	10	10	94	
912618106012	THAIYAL NAYAGI K	EC8004	12	12	12	12	97	11	11	100	10	10	96
	EC8095	12	12	11	12	78	11	11	85	10	10	98	
	EC8611									30	30	98	
	EC8651	12	12	12	12	94	10	11	96	10	10	98	
	EC8652	12	12	12	12	95	11	11	100	10	10	97	
	EC8661									60	60	98	
	EC8681									60	60	99	
	EC8691	12	12	12	12	93	11	11	95	10	10	96	
	HS8581									30	30	98	
	MG8591	12	12	11	12	95	11	11	88	10	10	97	
912618106701	JANANI R	EC8004	11	12	11	12	92	11	11	93	10	10	90

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EC8095	11	12	10	12	97	11	11	90	10	10	95
EC8611									30	30	96
EC8651	11	12	11	12	90	10	11	94	10	10	95
EC8652	11	12	11	12	100	9	11	96	10	10	94
EC8661									60	60	97
EC8681									60	60	97
EC8691	11	12	11	12	86	10	11	90	10	10	92
HS8581									30	30	96
MG8591	11	12	11	12	85	11	11	93	10	10	92

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