



# 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](http://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)**

**2018-2019**

**INFORMATION TECHNOLOGY**

**EXPERIENTIAL LEARNING**

<b>Activity</b>	<b>Number of Students Attended</b>	<b>Page No.</b>
<b>Internship</b>	<b>7</b>	<b>3</b>
<b>Project</b>	<b>6</b>	<b>12</b>
<b>Laboratory</b>	<b>18</b>	<b>19</b>
<b>Industrial Visit</b>	<b>14</b>	<b>27</b>
<b>TOTAL STUDENTS ATTENDED</b>	<b>45</b>	<b>-</b>



**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)**

**2018-2019**

**INFORMATION TECHNOLOGY**

**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

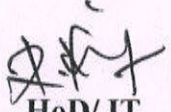
DEPARTMENT OF INFORMATION TECHNOLOGY

(EXPERIENTIAL LEARNING METHOD- INTERNSHIP)

ACADEMIC YEAR (2018 – 2019)

S.NO	REG.NO	NAME	YEAR/SEM	NAME OF THE LEARNING METHOD
1.	912615205003	Kamalavalli .K	IV/VII	EXPERIENTIAL LEARNING) (INTERNSHIP) (BSNL)
2.	912615205004	Mahalakshmi .S		
3.	912615205005	Renuga .K		
4.	912617205006	Rupasri.M	III/ V	EXPERIENTIAL LEARNING) (INTERNSHIP) (CODEBIND TECHNOLOGIES -TRICHY)
5.	912617205007	Shanmathi.S		
6.	912617205008	Vinodhini.M		
7.	912617205301	Hemalatha A		

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

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



**BHARAT SANCHAR NIGAM LIMITED**  
(A GOVERNMENT OF INDIA ENTERPRISE)  
**TRICHY TELECOM DISTRICT**

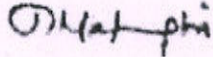
**BSN Learning**

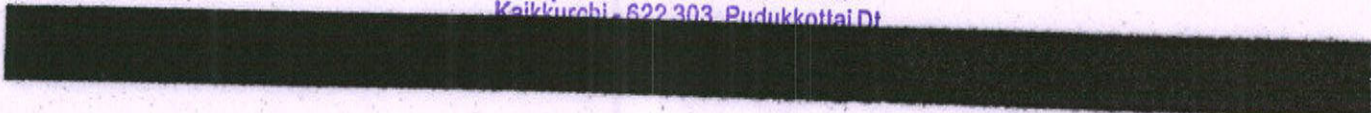
**CERTIFICATE**

*This is to certify that Shri/kum ..... K. KAMALAVALLI .....  
a student of Sri Bharathi Engineering college for Women, Pudukkottai .....  
BE / IT - 4th Year .....  
has undergone Vocational Training on Telecom Technologies in our  
organization for 5 days from ..... 11-06-2018 to ..... 15-06-2018 and  
completed the training successfully*

Place : Trichy  
Date : 15-06-2018

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

  
Assistant General Manager  
(Administration)  
Office of PGM, BSNL, Trichy.





# BHARAT SANCHAR NIGAM LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE)

TRICHY TELECOM DISTRICT

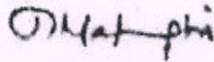
## BSN Learning

### CERTIFICATE

This is to certify that Shri/Kum ..... S. MAHALAKSHMI  
a student of Sri Bharathi Engineering college for Women, Pudukkottai  
BE / IT - 4th Year  
has undergone Vocational Training on Telecom Technologies in our  
organization for 5 days from 11-06-2018 to 15-06-2018 and  
completed the training successfully

Place : Trichy  
Date : 15-06-2018

  
Dr. S. THILAGAVATHI M.E., Ph.D.  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
Kallidurg, 622 203, Pudukkottai Dt.

  
Assistant General Manager  
(Administration)  
Office of PGM, BSNL, Trichy.




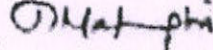
**BHARAT SANCHAR NIGAM LIMITED**  
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**TRICHY TELECOM DISTRICT**

**BSN Learning**

**CERTIFICATE**

*This is to certify that Shri/kum ..... K. RENUGA .....*  
*a student of Sri Bharathi Engineering college for Women, Pudukkottai .....*  
*BE / IT - 4th Year .....*  
*has undergone Vocational Training on Telecom Technologies in our*  
*organization for 5 days from ..... 11-06-2018 to ..... 15-06-2018 and*  
*completed the training successfully*

**Place : Trichy**  
**Date : 15-06-2018**

  
**Dr. S. THILAGAVATHI M.E., Ph.D.**  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
  
Assistant General Manager  
(Administration)  
Office of PGM, BSNL, Trichy.

<codebind/>™



- ★ 1st Floor, Thilla Nagar, Trichy
- 📍 Near Thilla Nagar 1st Cross Road 500
- ☎ 0431-24473070, 24473071
- 🌐 www.codebindtechnologies.com
- ✉ info@codebindtechnologies.com

CERTIFICATE NUMBER

CBTTIPCO82005190610

This certificate is awarded to M. RUPASRI,  
 who has undergone Inplant Training in WEB DEVELOPMENT,  
 from 08.06.2019 to 12.06.2019 at CodeBind Technologies, Trichy.  
 During the course of training period, the conduct of the trainee  
 was found to be Good.



*NVA*

Training Facilitator

*[Signature]*

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

*M. Purohit*

Issuing Authority



codebind/™



Address: Plot No. 10, Phase 1, Thiruvalluvar Street, Dindigul  
 New: Thiruvalluvar Street, New Bar Road  
 Call: 0451-2547501, 2547502, 2547503  
[www.codebindtechnologies.com](http://www.codebindtechnologies.com)  
[info@codebindtechnologies.com](mailto:info@codebindtechnologies.com)

CERTIFICATE NUMBER

**CBTTIPC082005190611**

This certificate is awarded to S.SHANMATHI,  
 who has undergone Inplant Training in WEB DEVELOPMENT,  
 from 08.06.2019 to 13.06.2019 at CodeBind Technologies, Trichy.  
 During the course of training period, the conduct of the trainee  
 was found to be Good.



*N/A*

Training Facilitator

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

*M. Shwamy*

Issuing Authority



Address: CodeBind Technologies, New Office  
 New Office: CodeBind Technologies, New Office  
 Phone: 044-43304239, 044-43304239  
 www.codebindtechnologies.com  
 info@codebindtechnologies.com

CERTIFICATE OF COMPLETION

CERTIFICATE NUMBER CBTTIPC6820051906011

This certificate is awarded to M.VINODHINI,  
 who has undergone Inplant Training in WEB DEVELOPMENT,  
 from 08.06.2019 to 19.06.2019 at CodeBind Technologies, Trichy.  
 During the course of training period, the conduct of the trainee  
 was found to be Good.



*N/A*

Training Facilitator

*[Handwritten Signature]*

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

*M. Shway*

Issuing Authority

codebind/™



- Address: 11/11, 11th Street, Trichy, Tamil Nadu, India
- Phone: +91 94422 43304
- Website: www.codebindtechnologies.com
- codebind@codebindtechnologies.com

CERTIFICATE NUMBER

CBTTIFPC0820051906012

This certificate is awarded to A.Hemalatha,  
 who has undergone Inplant Training in WEB DEVELOPMENT,  
 from 08.06.2019 to 19.06.2019 at CodeBind Technologies, Trichy.  
 During the course of training period, the conduct of the trainee  
 was found to be Good.



*NA*

Training Facilitator

*[Signature]*

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

*M. Shwamy*

Issuing Authority



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**Criteria 2**

**Teaching-Learning and Evaluation**

**350**

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

**2018-2019**

**INFORMATION TECHNOLOGY**

**EXPERIENTIAL LEARNING**

**PROJECT**



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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF INFORMATION TECHNOLOGY



ACADEMIC YEAR 2018 – 2019 (EVEN SEMESTER)

## PROJECT DETAILS

BATCH : 2015 - 2019

YEAR / SEM : IV / VIII

Subject code / Name: IT6811 / Project Work

S.NO	BATCH	REG NO	NAME	PROJECT TITLE	GUIDE
1.	I	912615205001	Aarthi.P	Cloud based user authentication scheme for wearable healthcare monitoring system using ROR model.	Ms. P.Subha 
2.		912615205002	Aarthika.S		
3.		912615205004	Mahalakshmi.S		
4.	II	912615205003	Kamalavalli.K	Repudiation of Replica migration on distributed cloud storage system.	Mr.R.Vijay 
5.		912615205005	Renuga.K		
6.		912615205301	Sangavi.D		

  
PROJECT COORDINATOR

  
HOD / IT  
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.



CLOUD BASED USER AUTHENTICATION SCHEME  
FOR WEARABLE HEALTHCARE  
MONITORING SYSTEM USING ROR MODEL



A PROJECT REPORT

*Submitted by*

AARTHI.P (Reg.No 912615205001)

AARTHIKA.S (Reg.No 912615205002)

MAHALAKSHIMI.S (Reg.No 912615205004)

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF TECHNOLOGY**

*in*

**INFORMATION TECHNOLOGY**

**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

**KAIKKURICHI, PUDUKKOTTAI-622 303**

**ANNA UNIVERSITY:CHENNAI 600 025**

**MARCH 2019**

  
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 "CLOUD BASED USER AUTHENTICATION SCHEME FOR WEARABLE HEALTHCARE MONITORING SYSTEM USING ROR MODEL" is the bonafide work of "AARTHI.P (Reg.No:912615205001), AARTHIKA.S (Reg.No:91261520502), MAHALASHIMIS (Reg.No:912615205004)" who carried out the project work under my supervision.

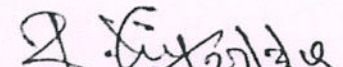
  
SIGNATURE


Mr. R. VIJAY ME.,  
Assistant Professor/CSE,  
Head Of Department,  
SBECW,  
Kaikkurichi-622 303.

  
SIGNATURE

Ms. P. SUBHA ME.,  
Assistant Professor/CSE,  
SUPERVISOR,  
SBECW,  
Kaikkurichi-622 303.

Submitted for the project work and viva-voce held on 27.03.2019.

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

ii

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



**REPUDIATION OF REPLICAS  
MIGRATION ON DISTRIBUTED  
CLOUD STORAGE SYSTEMS**



**A PROJECT REPORT**

*Submitted by*

**KAMALAVALLI.K**

**(Reg.No.912615205003)**

**RENUGA.K**

**(Reg.No.912615205005)**

**SANGAVI.D**

**(Reg.No.912615205301)**

*In partial fulfilment for the award of the degree*

*of*

**BACHELOR OF TECHNOLOGY**

*in*

**INFORMATION TECHNOLOGY**

**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

**KAIKKURICHI, PUDUKKOTTAI-622 303**

**ANNA UNIVERSITY: CHENNAI-622 025**

**MARCH 2019**

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



ANNA UNIVERSITY: CHENNAI-622 025

**BONAFIDE CERTIFICATE**

Certified that this project report "REPUDIATION OF REPLICA MIGRATION ON DISTRIBUTED CLOUD STORAGE SYSTEMS" is the bonafide work of KAMALAVALLI.K (Reg.No 912615205003), RENUGA.K (Reg.No 912615205005), SANGAVI.D (Reg.No 912615205301) who carried out the project work under my supervision.


  
SIGNATURE

Mr.R.VIJAY M.E.,  
Assistant Professor/CSE&IT,  
HEAD OF THE DEPT,  
SBECW,  
Kaikkurichi-622 303.

  
SIGNATURE

Mr.R.VIJAY M.E.,  
Assistant Professor/CSE&IT,  
SUPERVISOR,  
SBECW,  
Kaikkurichi-622 303.

Submitted for the project work and viva-voice held on 27.03.2019

  
INTERNAL EXAMINER

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

## Internal Marks Report

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

Branch Code / Name : 205 - B.Tech. Information Technology

Semester : 08

University : AUC

Regulation : 2013

S.No	Register Number	Name	CS6004	GE6075	IT6011	IT6801	IT6811
1	912615205001	AARTHI P	17	17	17	17	18
2	912615205002	AARTHIKA S	15	14	14	16	16
3	912615205003	KAMALAVALLI K	17	19	18	18	18
4	912615205004	MAHALAKSHMI S	17	18	18	19	19
5	912615205005	RENUGA K	17	17	17	18	18
6	912615205301	SANGAVI D	17	18	17	17	18



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

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**Criteria 2**

**Teaching-Learning and Evaluation**

**350**

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

**2018-2019**

**INFORMATION TECHNOLOGY**

**EXPERIENTIAL LEARNING**

**LABORATORY**



# SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2018 - 2019

EXPERIENTIAL LEARNING (LABORATORY COURSE-II YEAR)

## STUDENT LIST

S.NO	REG NO	NAME	LABORATORY COURSE	YEAR/SEM
1.	912617205001	ANUSHIYA.T	CS8381 DATA STRUCTURES LABORATORY	II / III
2.	912617205002	GAYADHRI.S		
3.	912617205003	KALAIVANI.K		
4.	912617205004	MARYSELCIYA.S		
5.	912617205005	MERCY KIRUBA.C		
6.	912617205006	RUPASRI.M		
7.	912617205007	SHANMATHI.S		
8.	912617205008	VINODHINI.M		
9.	912617205301	HEMALATHA A		

**Dr. S. THILAGAVATHI M.E., Ph.D.,**  
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COLLEGE FOR WOMEN  
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**HOD / IT**  
SRI BHARATHI ENGINEERING  
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DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2018 - 2019

EXPERIENTIAL LEARNING (LABORATORY COURSE-II YEAR)

CS8381

DATA STRUCTURES LABORATORY

L T P C

0 0 4 2

**OBJECTIVES**

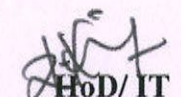
- To implement linear and non-linear data structures
- To understand the different operations of search trees
- To implement graph traversal algorithms
- To get familiarized to sorting and searching algorithms

**LIST OF EXPERIMENTS:**

1. Array implementation of Stack and Queue ADTs
2. Array implementation of List ADT
3. Linked list implementation of List, Stack and Queue ADTs
4. Applications of List, Stack and Queue ADTs
5. Implementation of Binary Trees and operations of Binary Trees
6. Implementation of Binary Search Trees
7. Implementation of AVL Trees
8. Implementation of Heaps using Priority Queues.
9. Graph representation and Traversal algorithms
10. Applications of Graphs
11. Implementation of searching and sorting algorithms
12. Hashing – any two collision techniques

**TOTAL: 60 PERIODS**

  
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HOD / IT  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURICHI  
PUDUKKOTTAI - 622 303.



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

Assessment Details Entered

NOV. / DEC. EXAMINATION, 2018 [ R-2017 ] - EXAMINATIONS

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

Branch Code / Name : 205 : B.Tech. Information Technology      University : AUC  
 Semester : 03

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr2	IM 2	Attend hr 3	Tot hr 3	IM 3	Attend hr 4	Total hr4	IM 4
912617205001	ANUSHIYA T	CS8351	16	16	12	14	77	14	15	67	15	15	86
		CS8381									60	60	87
		CS8382									60	60	89
		CS8383									51	60	87
		CS8391	11	12	11	12	81	11	12	71	8	9	86
		CS8392	12	12	11	12	75	10	11	70	10	10	85
		EC8394	11	12	11	11	85	10	11	82	10	11	87
		HS8381									26	30	85
		MA8351	14	16	13	15	79	14	15	71	14	15	88
		912617205002	GAYADHRI S	CS8351	14	16	12	14	78	15	15	78	15
CS8381											54	60	85
CS8382											60	60	88
CS8383											51	60	89
CS8391	11			12	12	12	76	12	12	74	9	9	89
CS8392	10			12	11	12	80	10	11	75	9	10	90
EC8394	12			12	11	11	80	10	11	72	9	11	89
HS8381											28	30	84
MA8351	15			16	14	15	80	14	15	76	13	15	85
912617205003	KALAIVANI K			CS8351	16	16	14	14	75	15	15	79	15
		CS8381									54	60	86
		CS8382									60	60	92
		CS8383									60	60	93
		CS8391	12	12	12	12	77	12	12	78	9	9	90
		CS8392	12	12	12	12	85	11	11	78	10	10	93
		EC8394	12	12	11	11	83	11	11	78	11	11	95
		HS8381									30	30	88
		MA8351	16	16	15	15	85	15	15	79	15	15	90
		912617205004	MARYSELCIYA S	CS8351	12	16	13	14	93	15	15	86	15
CS8381											57	60	95
CS8382											60	60	98
CS8383											54	60	95
CS8391	12			12	12	12	90	12	12	91	8	9	92
CS8392	10			12	11	12	95	11	11	90	10	10	98
EC8394	12			12	11	11	98	11	11	96	11	11	98
HS8381											30	30	90
MA8351	15			16	15	15	95	15	15	99	15	15	99
912617205005	MERCY KIRUBA C			CS8351	15	16	13	14	72	14	15	67	15
		CS8381									57	60	87
		CS8382									60	60	89
		CS8383									54	60	88
		CS8391	12	12	11	12	76	10	12	73	9	9	85
		CS8392	11	12	11	12	75	10	11	65	10	10	85
		EC8394	11	12	11	11	70	11	11	78	11	11	88
		HS8381									28	30	88
		MA8351	14	16	14	15	75	14	15	69	15	15	86
		912617205006	RUPASRI M	CS8351	16	16	14	14	79	15	15	76	15
CS8381											57	60	91
CS8382											60	60	96
CS8383											54	60	93
CS8391	12			12	12	12	90	12	12	71	9	9	92
CS8392	12			12	12	12	85	10	11	82	9	10	90
EC8394	12			12	11	11	90	11	11	86	10	11	93
HS8381											28	30	88

*(Handwritten Signature)*  
**Dr. S. THILAGAVATHI M.E., Ph.D.**  
 PRINCIPAL  
 SRI BHARATHI ENGINEERING  
 COLLEGE FOR WOMEN  
 Gate No. 303, Pudukkottai Dt.



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

Assessment Details Entered

NOV. / DEC. EXAMINATION, 2018 [ R-2017 ] - EXAMINATIONS

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

912617205007 SHANMATHI S	MA8351	15	16	14	15	85	14	15	89	15	15	92
	CS8351	12	16	12	14	78	14	15	67	13	15	82
	CS8381									54	60	87
	CS8382									60	60	86
	CS8383									51	60	88
	CS8391	11	12	11	12	79	11	12	72	8	9	83
	CS8392	10	12	11	12	75	10	11	70	8	10	83
	EC8394	10	12	10	11	75	10	11	74	9	11	86
	HS8381									28	30	86
	MA8351	13	16	13	15	78	13	15	69	13	15	85
912617205008 VINODHINI M	CS8351	16	16	14	14	99	15	15	99	15	15	98
	CS8381									60	60	98
	CS8382									60	60	98
	CS8383									60	60	96
	CS8391	12	12	12	12	95	12	12	92	9	9	96
	CS8392	12	12	12	12	96	11	11	96	10	10	98
	EC8394	12	12	11	11	98	11	11	96	11	11	99
	HS8381									30	30	95
	MA8351	16	16	15	15	97	15	15	99	15	15	100
	CS8351	8	11	13	14	78	14	15	63	15	15	85
912617205301 HEMALATHA A	CS8381									54	60	86
	CS8382									54	60	87
	CS8383									51	60	86
	CS8391	7	9	12	12	75	11	12	69	8	9	85
	CS8392	6	8	11	12	75	10	11	72	9	10	86
	EC8394	6	8	11	11	75	10	11	72	10	11	85
	HS8381									28	30	85
	MA8351	7	10	14	15	78	14	15	74	12	15	85

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



**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
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DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2018 - 2019

EXPERIENTIAL LEARNING (LABORATORY COURSE-III YEAR)

IT6612

COMPILER LABORATORY

L T P C  
0 0 3 2

**OBJECTIVES:**

The student should be made to:


- Be exposed to compiler writing tools.
- Learn to implement the different Phases of compiler
- Be familiar with control flow and data flow analysis
- Learn simple optimization techniques

**LIST OF EXPERIMENTS:**

1. Implementation of Symbol Table
2. Develop a lexical analyzer to recognize a few patterns in C. (Ex. identifiers, constants, comments, operators etc.)
3. Implementation of Lexical Analyzer using Lex Tool
4. Generate YACC specification for a few syntactic categories. a) Program to recognize a valid arithmetic expression that uses operator +, -, \* and /. b) Program to recognize a valid variable which starts with a letter followed by any number of letters or digits. d) Implementation of Calculator using LEX and YACC
5. Convert the BNF rules into Yacc form and write code to generate Abstract Syntax Tree.
6. Implement type checking
7. Implement control flow analysis and Data flow Analysis
8. Implement any one storage allocation strategies (Heap, Stack, Static)
9. Construction of DAG
10. Implement the back end of the compiler which takes the three address code and produces the 8086 assembly language instructions that can be assembled and run using a 8086 assembler. The target assembly instructions can be simple move, add, sub, jump. Also simple addressing modes are used.
11. Implementation of Simple Code Optimization Techniques (Constant Folding., etc.)

**TOTAL: 45 PERIODS**

  
Dr. **S. THILAGAVATHI M.E., Ph.D.,**  
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HOD / IT  
SRI BHARATHI ENGINEER!!  
COLLEGE FOR WOMEN  
KAIKKURICHI  
PUDUKKOTTAI - 622 303.



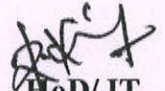


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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India  
DEPARTMENT OF INFORMATION TECHNOLOGY

**ACADEMIC YEAR (2018-2019)**  
**EXPERIENCIAL LEARNING (LABORATORY COURSE-III YEAR)**

**STUDENT LIST**

S.NO	REG NO	NAME	LABORATORY COURSE	YEAR/SEM
1.	912616205001	ARCHANA.T	<b>IT6612 COMPILER LABORATORY</b>	<b>III/ VI</b>
2.	912616205002	FAZILA BEGAM.S		
3.	912616205003	GAYATHRI.M		
4.	912616205004	MADHU BASHINI.B		
5.	912616205005	MAHALAKSHMI.R		
6.	912616205006	MURUGASHANTHINI.O		
7.	912616205007	PIRAINUTHALSELVI.M		
8.	912616205008	SOWMIYA.N		
9.	912616205701	MOHANAPRIYA.K		

  
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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 : 205 - B.Tech. Information Technology

Semester : 06

University : AUC

Regulation : 2013

S.No	Register Number	Name	CS6601	CS6659	CS6660	GE6674	GE6757	IT6601	IT6602	IT6611	IT6612
1	912616205001	ARCHANA T	16	18	18	16	16	17	17	18	16
2	912616205002	FAZILA BEGAM S	19	18	19	19	19	19	18	19	16
3	912616205003	GAYATHRI M	15	15	15	16	15	15	15	16	15
4	912616205004	MADHU BASHINI B	15	15	16	17	15	15	15	17	15
5	912616205005	MAHALAKSHMI R	18	19	19	16	18	18	18	19	19
6	912616205006	MURUGA SHANTHINI O	17	17	16	16	16	16	17	16	17
7	912616205007	PIRAI NUTHAL SELVI M	19	16	19	19	18	18	18	18	19
8	912616205008	SOWMIYA N	19	19	19	19	19	19	19	19	19
9	912616205701	MOHANAPRIYA K	16	15	17	18	16	16	15	17	17



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

**2018-2019**

**INFORMATION TECHNOLOGY**

**EXPERIENTIAL LEARNING**

**INDUSTRIAL VISIT**



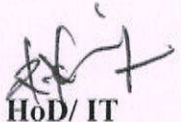
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India  
DEPARTMENT OF INFORMATION TECHNOLOGY

**ACADEMIC YEAR (2018-2019)**  
**EXPERIENCIAL LEARNING (INDUSTRIAL VISIT)**

**STUDENT LIST**

S.NO	REG NO	NAME	YEAR/SEM	NAME OF LEARNING METHOD
1.	912616205001	ARCHANA.T	III/ VI	<b>EXPERIENCIAL LEARNING METHOD - INDUSTRIAL VISIT KAYNES TECHNOLOGY</b>
2.	912616205003	GAYATHRI.M		
3.	912616205004	MADHU BASHINI.B		
4.	912616205005	MAHALAKSHMI.R		
5.	912616205006	MURUGASHANTHINI.O		
6.	912616205007	PIRAINUTHALSELV.M		
7.	912616205008	SOWMIYA.N		
8.	912616205701	MOHANAPRIYA.K		
9.	912615205001	AARTHI .P	IV / VIII	
10.	912615205002	AARTHIKA .S		
11.	912615205003	KAMALAVALLI.K		
12.	912615205004	MAHALAKSHMI .S		
13.	912615205005	RENUGA .K		
14.	912315205301	SANGAVI D		

  
**Dr. S. THILAGAVATHI M.E., Ph.D.,**  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
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HOD/ IT  
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PUDUKKOTTAI - 622 303.



# SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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

Date : 19/01/2019

To

The Manager,  
Kaynes Technology Pvt Ltd,  
23/ 25, Belogala Industrial Area,  
Metagali,  
Mysore - 570016.

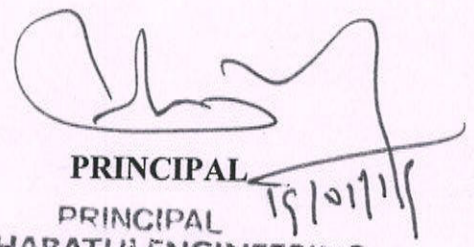
Respected Sir,

Sub: Permission for Industrial Visit – Reg.

Greetings from Sri Bharathi Engineering College for Women. As a part of curriculum, our students need to undergo Industrial Visit to understand about Industry/ Organization. A team of 50 students from III year and IV year along with staff members would like to visit your organization on 25<sup>th</sup> January 2019. We assure you that all our students will abide by the rules and regulations of your organization.

Thanking You,

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

  
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COLLEGE FOR WOMEN  
KAIKKURCHI - 622 303.  
PUDUKKOTTAI DISTRICT

# KAYNES TECHNOLOGY



No. 1007, Adigaras Industrial Area, Mettupalai, Mysore- 570016 Ph-08040902612

To

The Rector

Department of Computer science Engineering

Sri Bharathi Engineering College For Women

Pudakkottai-622303

Dear Sir/Madam,

We are pleased to inform you that students of Sri Bharathi Engineering College For Women B.E.CSE are provisionally permitted to visit our company.

The students shall bring their ID cards at the time of the visit.

The students shall be advised not to use mobile phones or photography in the factory premises.


The students shall safe keep the valuables at their own risks and shall indemnify the company from accidents or injuries, if any during the visit.

The visit is approved on of 25th January 2019. Our company staff will meet the student Organizer and the faculty members initially to coordinate the process.

Thanks & Regards,

Deepa.J

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

  
MANAGER-HR ADMINISTRATION

KAYNES TECHNOLOGY Pvt. Ltd



**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**ACADEMIC YEAR 2018-2019 EVEN SEMESTER**

Date: 24.01.2019

From

R.Vijay  
HOD/CSE Department

To

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

Approved  
24/01/19

Madam,

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

I am submitting herewith a tentative Industrial Visit Programme for students of CSE department scheduled to be on 25.01.2019(Friday) for an educational visit to Kaynes Technology, Mysore, Karnataka. I am furnishing the particulars that may be required for favour of information and approval.

Number of IV year students	= 27
Number of III year students	= 23
Total number of students	= 50
Number of accompanying faculty	= 04
Number of seats required in the transport	= 54

List of accompanying faculty

1. Mr.R.Vijay, HoD/ CSE Department
2. Mrs.K.Priyanka, Assistant Professor/ CSE Department
3. Ms.S.Jayapratha, Assistant Professor/ CSE Department
4. Mr.R.Pandikumar, System Admin/ CSE Department

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

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



# SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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

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

Date : 24-01-2019

## BONAFIDE CERTIFICATE

This is to certify that the following students of our college are studying III& IV Year of B.E/Computer Science and Engineering & B.Tech. Information Technology during this academic year 2018-2019.

III YEAR - CSE		
S.NO	REG.NO	NAME OF THE STUDENT
1.	912616104001	ATCHAYA.A
2.	912616104003	DURGADEVI.D
3.	912616104004	GAYATHRI.K
4.	912616104005	ISWARYA.M
5.	912616104006	ISWARYA.P
6.	912616104007	JENCIYA.C
7.	912616104008	KARTHIKA K
8.	912616104011	LAKSHMI.G
9.	912616104012	MEERA.C
10.	912616104015	SANGEETHA.K
11.	912616104017	SATHYA.T
12.	912616104018	SUBHA.S
13.	912616104019	SWATHI.P
14.	912616104021	YAZHINIE.M
15.	912616104301	MARIYA RUSHANTHINI.R
III YEAR - IT		
1.	912616205001	ARCHANA.T
2.	912616205003	GAYATHRI.M

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

PRINCIPAL

Ph: 04322 - 242768 Mobile: 99422 28029, 97509 28029  
website : www.sbec.edu.in e-mail : sribharathienggcollege@gmail.com

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



3.	912616205004	MADHU BASHINI.B
4.	912616205005	MAHALAKSHMI.R
5.	912616205006	MURUGASHANTHINI.O
6.	912616205007	PIRAINUTHALSELVI.M
7.	912616205008	SOWMIYA.N
8.	912616205701	MOHANAPRIYA.K
<b>IV YEAR -CSE</b>		
1.	912615104001	ABIRAMI .R
2.	912615104002	ABIRAMI .S
3.	912615104003	AISHWARYA .S
4.	912615104004	AKALYA .R
5.	912615104005	AUXILIA .A
6.	912615104007	GUNABALA .N
7.	912615104009	KALEESWARI .S
8.	912615104010	KANIMOZHI .A
9.	912615104011	KOKILA .R
10.	912615104012	NANTHINI .N
11.	912615104013	PRIYA .S
12.	912615104014	PRIYADHARSHINI .M
13.	912615104015	RESHMA BARVEEN .S
14.	912615104016	SANTHANA LAKSHMI .C
15.	912615104017	SAROJA .M
16.	912615104018	SINEHA .C
17.	912615104019	SOWMIYA .S
18.	912615104301	DHARANI V
19.	912615104303	LAKSHMI PRIYA G
20.	912615104305	SATHYA D
21.	912615104901	SHENAZ SHERIN.Z
<b>IV YEAR IT</b>		
1.	912615205001	AARTHI .P
2.	912615205002	AARTHIKA .S
3.	912615205003	KAMALAVALLI.K
4.	912615205004	MAHALAKSHMI .S

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

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Katturuchi - 622 303 Pudukkottai Dt.


5.	912615205005	RENUGA .K
6.	912315205301	SANGAVI D

Accompanying Staff Members:

1. Mr.R.Vijay, HOD/CSE Department
2. Ms.G.Sugapriya, Assistant Professor/CSE Department
3. Ms.G.Bhuvanewari, Assistant Professor/CSE Department
4. Mr.R.Pandikumar, System Admin/CSE Department


This certificate is issued only for the purpose of attending **Industrial visit** Mysore  
Kaynes Technology, Karnataka.

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

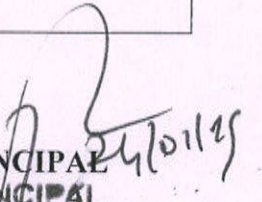
  
**PRINCIPAL** 24/9/19  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURCHI - 622 303.  
PUDUKKOTTAI DISTRICT

**Tentative Industrial Visit Programme of CSE Department**

S.No	Date	Time	Programme
1.	24.01.2019	9.00pm	Departure from College
2.	25.01.2019	6.30am-8.30am	Reach Mysore & refreshment
3.		8.30am-9.00am	Arrival to zoo
4.		9.00am-9.30am	Breakfast
5.		9.30am-12.30pm	Company Visit (Kaynes Technology)
6.		12.30-1.00pm	Lunch
7.		1.00pm-4.00pm	Arrival to Mysore Palace
8.		4.00pm-6.00pm	Go to stay on Hotel
9.		7.00pm-7.30pm	Dinner
10.		7.30pm	Stay at Hotel(room)
11.		26-01-2019	8.00am-9.00am
12.	9.00am-10.00am		Arrival to World Wide Technologies
13.	10.30am-12.30pm		Arrival to Samundeeswari temple
14.	12.30pm-1.00pm		Lunch
15.	1.00-3.00pm		Purchase
16.	3.00pm		Return back to college

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

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

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

To,  
Principal,  
Sri Bharathi Engineering College For Women, Pudukkottai,  
Kaikkurichi.

Date: 25-01-2019

Sub: Industrial Visit.

Dear Sir,

With reference to your mail, R.Vijay, R.pandikumar, G.Sugapriya & G.Bhuvaneshwari been accompanied by 50 Students to our company i.e., Kaynes Technology India Pvt Ltd., Mysore Unit 2, for Industrial visit on 25-01-2019.

Regards

  
Authorised Signatory

  
**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**  
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
&  
**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**REPORT ON INDUSTRIAL VISIT**

**PLACE OF VISIT : Kaynes Technology, Mysore, Karnataka.**

**DATE :25<sup>th</sup> JANUARY 2019.**

**NUMBER OF PARTICIPANTS: 46**

The industrial visit is scheduled for one day (25.01.2019 ) for CSE & IT(50) department and 4 staffs visited, Kaynes Technology on 25.01.2019.

This visit was mainly focused on training class consists of two batches, each batch contain 23 students. During the training class they have taken design concepts like,

1. OS Porting
2. Embedded Application Development
3. Power Management
4. High Speed board designs
5. Schematics capture
6. PC board designs
7. Functional testing
8. System testing



Kaynes Technology, Mysore, Karnataka  
25.01.2019

Students in front of Company

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

**OUTCOME OF THE VISIT:**

- The technology of embedded application development was known.
- The process involved in power management was explained.
- Importance of testing methodologies also elaborated.



**HOD/ CSE**

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KAIKKURICHI,  
PUDUKKOTTAI - 622 303



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