



# 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)**

**2022-2023**

**COMPUTER SCIENCE AND  
ENGINEERING**

**EXPERIENTIAL LEARNING**

<b>Activity</b>	<b>Number of Students Attended</b>	<b>Page No.</b>
<b>Internship</b>	<b>70</b>	<b>3</b>
<b>Project</b>	<b>21</b>	<b>76</b>
<b>Laboratory</b>	<b>51</b>	<b>93</b>
<b>Industrial Visit</b>	<b>55</b>	<b>100</b>
<b>TOTAL STUDENTS ATTENDED</b>	<b>197</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)**

**2022-2023**

**COMPUTER SCIENCE AND  
ENGINEERING**

**EXPERIENTIAL LEARNING**

**INTERNSHIP**






**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India  
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING  
(EXPERIENTIAL LEARNING METHOD- INTERNSHIP)

ACADEMIC YEAR (2022 – 2023)

S.NO	REG.NO	NAME	YEAR/SEM	NAME OF THE LEARNING METHOD
1.	912619104001	Annapoorani M	IV/ VII	(EXPERIENTIAL LEARNING) (INTERNSHIP) (NOTUS SOFT SOLUTIONS , PUDUKKOTTAI)
2.	912619104003	Arunnavameena A		
3.	912619104004	Dayana P		
4.	912619104005	Dharshini D		
5.	912619104007	Fahmidha B		
6.	912619104009	Gulnas Fathima S		
7.	912619104010	Helan J		
8.	912619104011	Keerthana R		
9.	912619104012	Muthulakshmi G		
10.	912619104013	Muthu Meenakshi M		
11.	912619104014	Niroshika R		
12.	912619104017	Parameshwari S		
13.	912619104019	Ranjani K		
14.	912619104020	Rilwana Parveen J		
15.	912619104021	Roopina R		
16.	912619104022	Sandhiya B		
17.	912619104023	Santhi D		
18.	912619104024	Saranya C		
19.	912619104027	Sneha R		
20.	912619104029	Suriya Jothi S		
21.	912619104301	Abinaya S		
22.	912620104001	Akalya S	III/ V	(EXPERIENTIAL LEARNING) (INTERNSHIP) (WITSPIRE, TRICHY)
23.	912620104002	Hema V		
24.	912620104004	Kalaivani S		
25.	912620104005	Kalpana K		
26.	912620104007	Meiyammal M		
27.	912620104008	Nandhini P		
28.	912620104009	Prasanna Devi P		
29.	912620104010	Prishiya E		
30.	912620104012	Rosammal M		
31.	912620104013	Roshika K		
32.	912620104014	Sabha Aysha S		
33.	912620104015	Sathiyasri P		
34.	912620104016	Sivagami D		
35.	912620104017	Sivaharini S		
36.	912620104018	Subashini C		
37.	912620104019	Subashini M		
38.	912620104020	Swetha D		
39.	912620104021	Vanathi T		
40.	912620104022	Vinciya Mary S		
41.	912620104304	Vaishnavi R		

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





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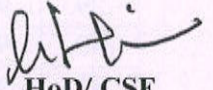
Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

(EXPERIENCIAL LEARNING METHOD- INTERNSHIP)

42.	912621104001	Abinaya K	II/ IV	(EXPERIENCIAL LEARNING) (INTERNSHIP) (NOTUS SOFT SOLUTIONS , PUDUKKOTTAI)
43.	912621104002	Ameera N		
44.	912621104003	Anjugam C		
45.	912621104004	Arundathi S		
46.	912621104005	Ashika B		
47.	912621104006	Divya T		
48.	912621104007	Elackiya G		
49.	912621104008	Gayathri K		
50.	912621104009	Geetha M		
51.	912621104010	Harshitha P		
52.	912621104011	Ishwarya S		
53.	912621104012	Janani R		
54.	912621104015	Lavanya S		
55.	912621104016	Mahasree P		
56.	912621104018	Priya M		
57.	912621104019	Rabika R		
58.	912621104021	Saheena Begam A		
59.	912621104022	Sasipriya R		
60.	912621104023	Shamima P		
61.	912621104024	Sheera Banu A		
62.	912621104025	Sivajothika S		
63.	912621104026	Sivapriya R		
64.	912621104027	Subha Dharshini S		
65.	912621104029	Vinitha K		
66.	912621104030	Visalatchi S		
67.	912621104301	Vaishnavi .B		
68.	912621104302	Vishnu Priya. A		
69.	912621104701	Aarthi. S		
70.	912621104702	Swathi. A.R		

  
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COLLEGE FOR WOMEN  
KAIKKURICHI,  
PUDUKKOTTAI - 622 303



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## INTERNSHIP CERTIFICATE

This is to certify that M.ANNAPOORANI has completed his/her internship  
in our firm regarding the MACHINE LEARNING for a period  
from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was  
shrewd in adapting to the technology and acquainted to the trends. Wishing him/her all the very best.

  
Course Co-Ordinator

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

This is to certify that D.DHARSHINI has completed his/her internship  
in our firm regarding the MACHINE LEARNING for a period  
from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was  
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Course Co-Ordinator

  
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## INTERNSHIP CERTIFICATE

This is to certify that B.FAHMIDHA has completed his/her internship

in our firm regarding the MACHINE LEARNING for a period

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## INTERNSHIP CERTIFICATE

This is to certify that GULNAS FATHIMA S has completed his/her internship

in our firm regarding the MACHINE LEARNING for a period

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## INTERNSHIP CERTIFICATE

This is to certify that J.HELAN has completed his/her internship  
in our firm regarding the MACHINE LEARNING for a period  
from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was  
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## INTERNSHIP CERTIFICATE

This is to certify that R.KEERTHANA has completed his/her internship

in our firm regarding the MACHINE LEARNING for a period

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Course Co-Ordinator

  
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## INTERNSHIP CERTIFICATE

This is to certify that G.MUTHULAKSHMI has completed his/her internship  
in our firm regarding the MACHINE LEARNING for a period  
from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was  
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## INTERNSHIP CERTIFICATE

This is to certify that M.MUTHU MEENAKSHI has completed his/her internship

in our firm regarding the MACHINE LEARNING for a period

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This is to certify that NIROSHIKA R has completed his/her internship  
in our firm regarding the MACHINE LEARNING for a period  
from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was  
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## INTERNSHIP CERTIFICATE

This is to certify that K.RANJANI has completed his/her internship  
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This is to certify that R.ROOPINA has completed his/her internship  
in our firm regarding the MACHINE LEARNING for a period  
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## INTERNSHIP CERTIFICATE

This is to certify that B.SANDHIYA has completed his/her internship  
in our firm regarding the MACHINE LEARNING for a period  
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Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that D.SANTHI has completed his/her internship  
in our firm regarding the MACHINE LEARNING for a period  
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## INTERNSHIP CERTIFICATE

This is to certify that R.SNEHA has completed his/her internship in our firm regarding the MACHINE LEARNING for a period from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was shrewd in adapting to the technology and acquainted to the trends. Wishing him/her all the very best.

  
**Course Co-Ordinator**

  
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Kaikkurchi - 622 303, Pudukkottai Dt.

  
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## INTERNSHIP CERTIFICATE

This is to certify that S.ABINAYA has completed his/her internship  
in our firm regarding the MACHINE LEARNING for a period  
from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was  
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**Course Co-Ordinator**



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COLLEGE FOR WOMEN  
Kaikkurchi - 622 303, Pudukkottai Dt.



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## INTERNSHIP CERTIFICATE

This is to certify that A.ARUNNAVAMEENA has completed his/her internship in our firm regarding the CYBER SECURITY for a period from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was shrewd in adapting to the technology and acquainted to the trends. Wishing him/her all the very best.

  
Course Co-Ordinator

  
Dr. S.THILAGAVATHI M.E., Ph.D.,  
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COLLEGE FOR WOMEN  
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## INTERNSHIP CERTIFICATE

This is to certify that P.DAYANA has completed his/her internship  
in our firm regarding the CYBER SECURITY for a period  
from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was  
shrewd in adapting to the technology and acquainted to the trends. Wishing him/her all the very best.

  
Course Co-Ordinator

  
Dr. **S.THILAGAVATHI** M.E., Ph.D.,  
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COLLEGE FOR WOMEN  
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## INTERNSHIP CERTIFICATE

This is to certify that S.PARAMESHWARI has completed his/her internship

in our firm regarding the CYBER SECURITY for a period

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Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that J.RILWANA PARVEEN has completed his/her internship in our firm regarding the CYBER SECURITY for a period from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was shrewd in adapting to the technology and acquainted to the trends. Wishing him/her all the very best.

  
Course Co-Ordinator

  
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## INTERNSHIP CERTIFICATE

This is to certify that C.SARANYA has completed his/her internship  
in our firm regarding the CYBER SECURITY for a period  
from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was  
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Course Co-Ordinator

  
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## INTERNSHIP CERTIFICATE

This is to certify that S.SURIYA JOTHI has completed his/her internship

in our firm regarding the CYBER SECURITY for a period

from 30.12.2022 to 18.01.2023. During his/her tenure here as an intern his/her conduct was

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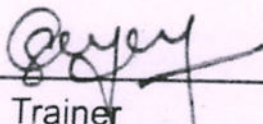
# WITSPIRE

Inspiration To Innovation


## TO WHOM IT MAY CONCERN

This is to certify that Ms/Mr. S. AKALYA student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 13-01-23 under guidance of Witspire,Trichy.

During the period of her/~~his~~ internship program with us, she/~~he~~ had been exposed to different processes and was found diligent hardworking and inquisitive.

  
Trainer



  
Managing Director

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





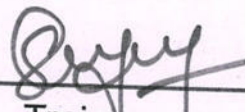
# WITSPIRE

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## TO WHOM IT MAY CONCERN

This is to certify that Ms/Mr. V. HEMA student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

During the period of her/his internship program with us, she/he had been exposed to different processes and was found diligent hardworking and inquisitive.

  
Trainer





Managing Director

**Dr. S. THILAGAVATHI M.E., Ph.D.,**  
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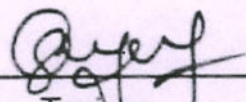
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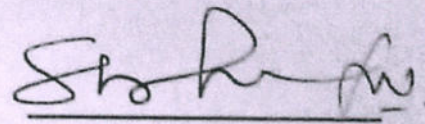
## TO WHOM IT MAY CONCERN

This is to certify that Ms/Mr. R. ISWARYA student of SRT BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

During the period of her/~~his~~ internship program with us, she/~~he~~ had been exposed to different processes and was found diligent hardworking and inquisitive.

  
Trainer



  
Managing Director

  
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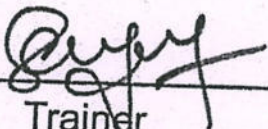
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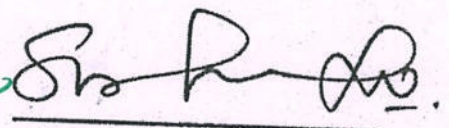
## TO WHOM IT MAY CONCERN

This is to certify that Ms/Mr. S. KALAVANI student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

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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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## TO WHOM IT MAY CONCERN

This is to certify that Ms/Mr. M. MEIYYAMMAL student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire,Trichy.

During the period of her/his internship program with us, she/he had been exposed to different processes and was found diligent hardworking and inquisitive.

Trainer



Managing Director

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





# WITSPIRE

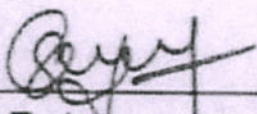
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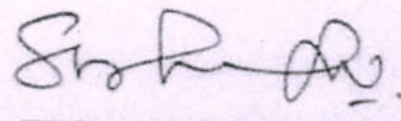
This is to certify that Ms/Mr. P. NANDHINI student of  
SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III  
has successfully completed a internship on PYTHON

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Trainer



  
Managing Director

  
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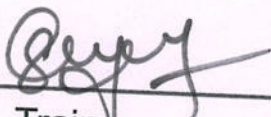
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This is to certify that Ms/Mr. P. PRASANNA DEVI student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

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Trainer



  
Managing Director

  
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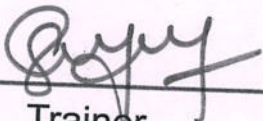
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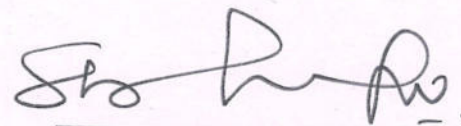
## TO WHOM IT MAY CONCERN

This is to certify that Ms/Mr. E. PRISHTVA student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

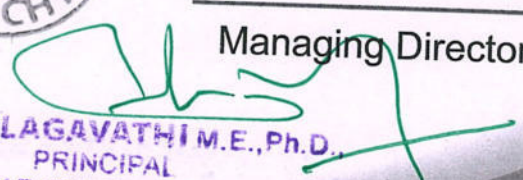
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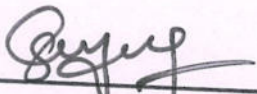
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This is to certify that Ms/Mr. M. ROSAMMAL student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

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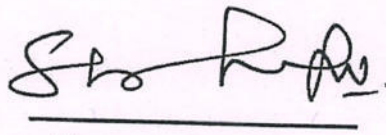
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This is to certify that Ms/Mr. K. ROSHIKA student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

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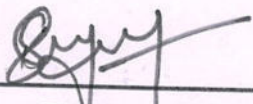
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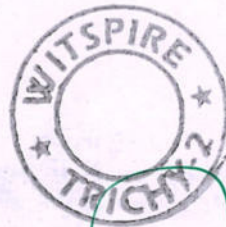
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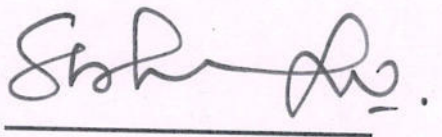
## TO WHOM IT MAY CONCERN

This is to certify that Ms/Mr. S. SABHAAYSHA student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

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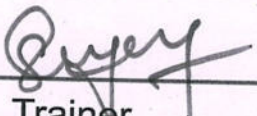
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This is to certify that Ms/Mr. P. SATHIYASRI student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire,Trichy.

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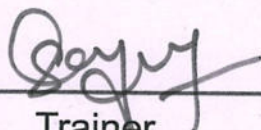
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This is to certify that Ms/Mr. D. SIVAKANTHI student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire,Trichy.

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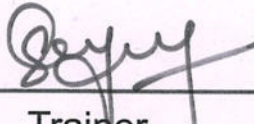
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This is to certify that Ms/Mr. S. SIVA HARINI student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire,Trichy.

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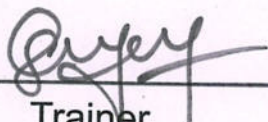
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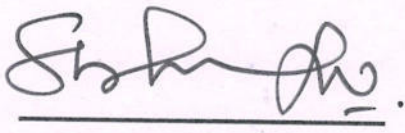
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This is to certify that Ms/Mr. C. SUBASHINI student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

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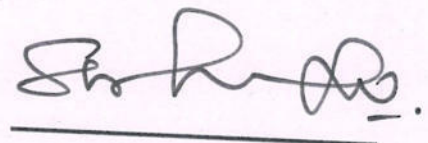
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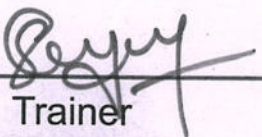
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This is to certify that Ms/Mr. D. SWETHA student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

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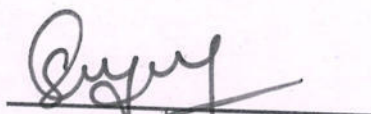
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This is to certify that Ms/Mr. T. VANATHI student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

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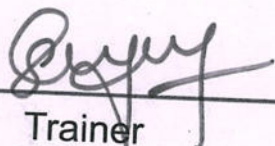
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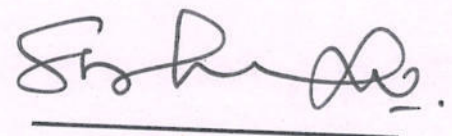
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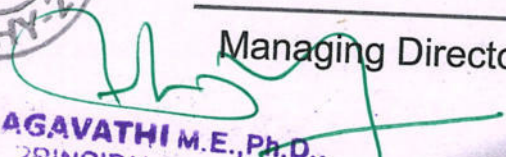
This is to certify that Ms/Mr. S. VINCTYA MERY student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire, Trichy.

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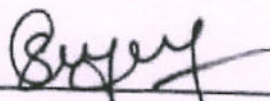
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This is to certify that Ms/Mr. R. VAISHNAVI student of SRI BHARATHI ENGINEERING COLLEGE Department CSE Year III has successfully completed a internship on PYTHON PROGRAMMING LANGUAGE from 30-12-22 to 18-01-23 under guidance of Witspire,Trichy.

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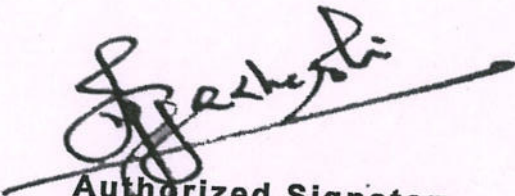
# Notus Soft Solutions

## INTERNSHIP CERTIFICATE

This is to certify that **ABINAYA.K** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **AMEERA.N** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that ANJUGAM.C has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from 21-06-2023 to 08-07-2023. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

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


  
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## INTERNSHIP CERTIFICATE

This is to certify that ARUNDATHI.S has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from 21-06-2023 to 08-07-2023. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
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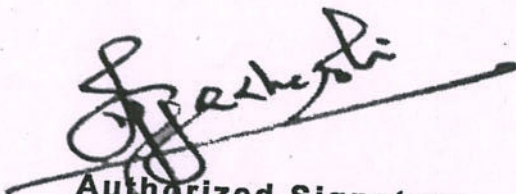
# Notus Soft Solutions

## INTERNSHIP CERTIFICATE

This is to certify that **ASHIKA.B** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
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Kaikkurehi - 622 303, Pudukkottai Dt.

  
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## INTERNSHIP CERTIFICATE

This is to certify that **DIVYA.T** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
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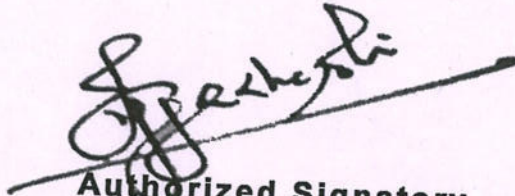
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## INTERNSHIP CERTIFICATE

This is to certify that **ELACKIYA.G** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
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## INTERNSHIP CERTIFICATE

This is to certify that GAYATHRI.K has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from 21-06-2023 to 08-07-2023. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
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## INTERNSHIP CERTIFICATE

This is to certify that **GEETHA.M** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
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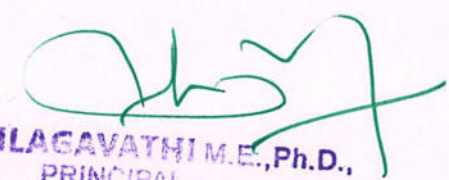


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## INTERNSHIP CERTIFICATE

This is to certify that HARSHITHA.P has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from 21-06-2023 to 08-07-2023. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
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## INTERNSHIP CERTIFICATE

This is to certify that **ISHWARYA.S** ----- has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **JANANI.R** ----- has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** ----- to **08-07-2023** ----- . During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **LAVANYA.S** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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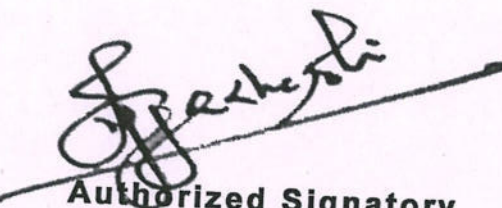
# Notus Soft Solutions

## INTERNSHIP CERTIFICATE

This is to certify that **MAHASREE.P** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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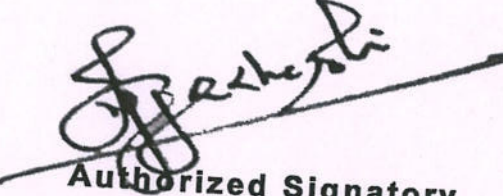
# Notus Soft Solutions

## INTERNSHIP CERTIFICATE

This is to certify that **PRIYA.M** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **RABIKA.R** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

  
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COLLEGE FOR WOMEN  
Kaikkurehi - 622 303, Pudukkottai Dt.

  
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## INTERNSHIP CERTIFICATE

This is to certify that **SAHEENA BEGAM.A** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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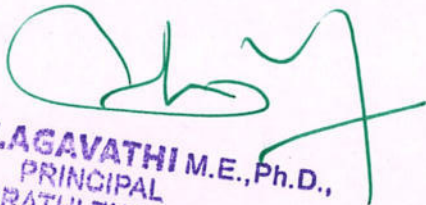


# Notus Soft Solutions

## INTERNSHIP CERTIFICATE

This is to certify that **SASIPRIYA.R** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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# Notus Soft Solutions

## INTERNSHIP CERTIFICATE

This is to certify that **SHAMIMA.P** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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# Notus Soft Solutions

## INTERNSHIP CERTIFICATE

This is to certify that **SHEERA BANU.A** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that SIVAJOTHIKA.S has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from 21-06-2023 to 08-07-2023. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **SIVAPRIYA.R** ----- has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023** ----- . During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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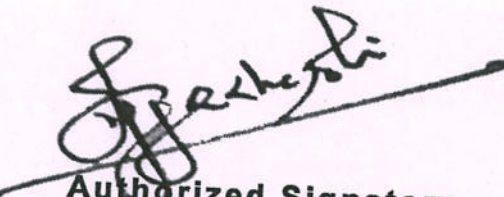
# Notus Soft Solutions

## INTERNSHIP CERTIFICATE

This is to certify that **SUBHADHARSHINI.S** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **VINITHA.K** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

  
Dr. S.THILAGAVATHI M.E., Ph.D.,  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
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Kaikkurechi - 622 303, Pudukkottai Dt.

  
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## INTERNSHIP CERTIFICATE

This is to certify that **VISALATCHI.S** ----- has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **VAISHNAVI.B** ----- has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **VISHNU PRIYA.A** ----- has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **AARTHI.S** ----- has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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## INTERNSHIP CERTIFICATE

This is to certify that **SWATHI.A.R** has completed his/her internship in our firm regarding block chain technologies to develop dApp using solidity coding for a period of fifteen days from **21-06-2023** to **08-07-2023**. During his/her tenure here as an intern his/her conduct was good and he/she was shrewd in adapting to the technology and acquainted to the trends. **Wishing him/her all the very best.**

  
Course Co-Ordinator

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

  
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**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)**

**2022-2023**

**COMPUTER SCIENCE AND  
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 COMPUTER SCIENCE AND ENGINEERING


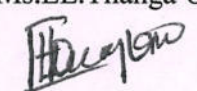
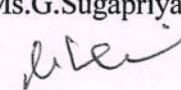
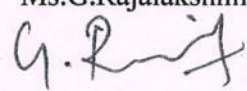

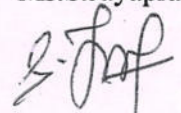

ACADEMIC YEAR 2022 – 2023 (EVEN SEMESTER)

## PROJECT TITLE DETAILS

Subject code / Name : CS8811 / Project Work

Batch : 2019-2023

Year / Sem : IV / VIII

S.No	Batch	Reg No	Name	Title	Guide with Signature
1.	I	912619104007	Fahmidha B	Driver Recognition And Drowsiness Detection Using Deep Learning Technique	Ms.S.Yogalakshmi 
2.		912619104009	Gulnas Fathima S		
3.		912619104014	Niroshika R		
4.	II	912619104003	Arunnavameena A	Event Of Safety Violation Detection In Industrial Environment	Ms.EL.Thanga Uma 
5.		912619104004	Dayana P		
6.		912619104017	Parameshwari S		
7.	III	912619104020	Rilwana Parveen J	AI Enhanced OT Security Tool-Gail	Ms.G.Sugapriya 
8.		912619104029	Suriya Jothi S		
9.		912619104024	Saranya C		
10.	IV	912619104005	Dharshini D	Ailment Prediction System	Ms.G.Rajalakshmi 
11.		912619104022	Sandhiya B		
12.		912619104012	Muthulakshmi G		
13.	V	912619104301	Abinaya S	Liquid Petroleum Hydrocarbon Ocean Coastal Water Pollution Identification Using Deep Neural Network	Ms.M.ParveenBanu 
14.		912619104011	Keerthana R		
15.		912619104019	Ranjani K		
16.	VI	912619104010	Helan J	Interact Computer With Facial Expression For Tetraplegia Users Using Deep Learning	Ms.S.Jayapratha 
17.		912619104021	Roopina R		
18.		912619104027	Sneha R		
19.	VII	912619104001	Annapoorani M	Crop Disease Prediction Using Neural Network	Ms.S.Yogalakshmi 
20.		912619104013	Muthu Meenakshi M		
21.		912619104023	Santhi D		

  
Project Coordinator

  
HoD / CSE

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

HOD / CSE  
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COLLEGE FOR WOMEN  
KAIKKURICHI,  
PUDUKKOTTAI - 622 303



22-23



**DRIVER RECOGNITION AND DROWSINESS  
DETECTION USING DEEP LEARNING  
TECHNIQUE  
A PROJECT REPORT**



*Submitted by*

<b>FAHMIDHA.B</b>	<b>(Reg.No.912619104007)</b>
<b>GULNAS FATHIMA.S</b>	<b>(Reg.No.912619104009)</b>
<b>NIROSHIKA.R</b>	<b>(Reg.No.912619104014)</b>

*In partial fulfilment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**

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

**ANNA UNIVERSITY: CHENNAI 600 025**

**MAY 2023**

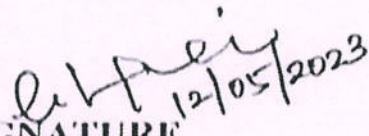
  
**Dr. S.THILAGAVATHI M.E., Ph.D.,**  
 PRINCIPAL  
 SRI BHARATHI ENGINEERING  
 COLLEGE FOR WOMEN  
 Kaikkurchi - 622 303, Pudukkottai Dt.



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DRIVER RECOGNITION AND DROWSINESS DETECTION USING DEEP LEARNING TECHNIQUE" is the bonafide work of "FAHMIDHA.B (Reg.No.912619104007), GULNAS FATHIMA.S (Reg.No.912619104009), NIROSHIKA.R (Reg.No.912619104014),"who carried out the project work under my supervision.

  
SIGNATURE

Mrs.G.SUGAPRIYA., M.E.,M.S.,  
HEAD OF THE DEPARTMENT,

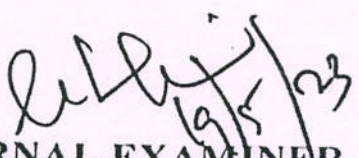
Department of CSE,  
Sri Bharathi Engineering College  
for Women ,  
Pudukkottai-622 303.

  
SIGNATURE

Mrs.S.YOGALAKSHMI.,M.E.,  
SUPERVISOR,

Assistant Professor,  
Department of CSE,  
Sri Bharathi Engineering College  
for Women ,  
Pudukkottai-622 303.

Submitted for the project work and viva-voce held on ..19/05/23.....

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

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





**EVENT OF SAFETY VIOLATION DETECTION  
IN INDUSTRIAL ENVIRONMENT**

**A PROJECT REPORT**



*Submitted By*

**ARUNNAVAMEENA.A  
DAYANA.P  
PARAMESHWARIS**

**(Reg.No.912619104003)**

**(Reg.No.912619104004)**

**(Reg.No.912619104017)**

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**in**

**COMPUTER SCIENCE AND ENGINEERING**

**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

**KAIKKURICHI, PUDUKKOTTAI-622 303**

**ANNA UNIVERSITY: CHENNAI 600 025**

**MAY 2023**

  
**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 mini project report "EVENT OF SAFETY VIOLATION  
DETECTION IN INDUSTRIAL ENVIRONMENT" is a bonafide work of  
ARUNNAVAMEENA.A (Reg.No.912619104003), DAYANA.P

(Reg.No.912619104004), PARAMESHWARIS (Reg.No.912619104017), who  
carried out the project work under my supervision.

  
SIGNATURE

Mrs.G.SUGAPRIYA., M.E.,  
HEAD OF THE DEPARTMENT,

Department of CSE,  
Sri Bharathi Engineering College  
For Women ,  
Pudukkottai-622 303.

  
SIGNATURE

Mrs.E.L.THANGA UMA.,M.E.,  
SUPERVISOR,

Assistant Professor,  
Department of CSE,  
Sri Bharathi Engineering College  
For Women ,  
Pudukkottai-622 303.

Submitted for the project work and viva-voce held on .19/05/2023

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

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





**AI ENHANCED OT SECURITY TOOL-GAIL**  
**A PROJECT REPORT**



*Submitted by*

**RILWANA PARVEEN.J**

**(Reg.No.912619104020)**

**SARANYA.C**

**(Reg.No.912619104024)**

**SURIYA JOTHIS**

**(Reg.No.912619104029)**

*In partial fulfilment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**

**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

**KAIKKURICHI, PUDUKKOTTAI-622 303**

**ANNA UNIVERSITY: CHENNAI 600 025**

**MAY 2023**

**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 "AI ENHANCED OT SECURITY TOOL-GAIL"  
is the bonafide work of RILWANA PARVEEN.J(Reg.No.912619104020),  
SARANYA.C(Reg.No.912619104024),SURIYA JOTHILS (Reg.No.912619104029),  
who carried out the project work under my supervision.

  
SIGNATURE

Mrs.G.SUGAPRIYA., M.E.,M.S.,  
HEAD OF THE DEPARTMENT,

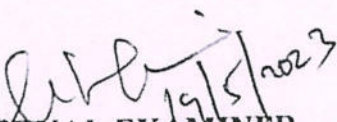
Department of CSE,  
Sri Bharathi Engineering College  
For women,  
Pudukkottai-622001

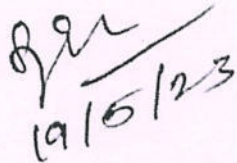
  
SIGNATURE

Mrs.G.SUGAPRIYA., M.E.,M.S.,  
SUPERVISOR,  
Assistant Professor .

Department of CSE,  
Sri Bharathi Engineering College  
for Women,  
Pudukkottai-622303

Submitted for the project work and viva-voce held on .19.10.5.2023

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

ii

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





# AILMENT PREDICTION SYSTEM



A PROJECT REPORT

*Submitted by*

DHARSHINI.D

(Reg.No912619104005)

MUTHULAKSHMI.G

(Reg.No912619104012)

SANDHIYA.B

(Reg.No912619104022)

*In partial fulfillment for the award of the degree*

*of*

BACHELOR OF ENGINEERING

*in*

COMPUTER SCIENCE AND ENGINEERING

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKURICHI, PUDUKKOTTAI-622 303

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2023

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

PRINCIPAL

SRI BHARATHI ENGINEERING  
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Kaikkurichi - 622 303, Pudukkottai Dt.



**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "AILMENT PREDICTION SYSTEM" is the bonafide work of "DHARSHINI.D (Reg.No912619104005), MUTHULAKSHMI (Reg.No912619104012), SANDHIYA.B (Reg. No 912619104022) who carried out the project Work under my supervision.

  
**SIGNATURE**

**Ms.G. SUGAPRIYA.,M.E.,M.S.,  
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For Women ,  
Pudukkottai. - 622 303

  
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**Ms.G.RAJALAKSHMI., M.E.,  
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For Women,  
Pudukkottai - 622 303

**Submitted for the project work and viva-voce held on...19/05/2023**

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**

ii

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





LIQUID PETROLEUM HYDROCARBON  
OCEAN COASTAL WATER POLLUTION  
IDENTIFICATION USING DEEP NEURAL  
NETWORK



A PROJECT REPORT

*Submitted by*

KEERTHANA.R

(Reg. No. 912619104011)

RANJANI.K

(Reg. No. 912619104019)

ABINAYA.S

(Reg. No. 912619104301)

*in partial fulfilment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**

**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

**KAIKURICHI, PUDUKKOTTAI - 622 303**

**ANNA UNIVERSITY : CHENNAI 600 025**

**MAY 2023**

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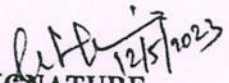
  
**Dr. S.THILAGAVATHI M.E.,Ph.D.,**  
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**COLLEGE FOR WOMEN**  
**Kaikkurichi - 622 303, Pudukkottai Dt.**

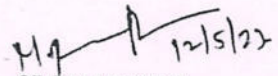


ANNA UNIVERSITY: CHENNAI 600 025

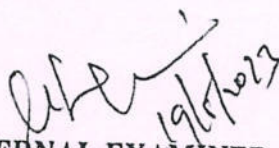
BONAFIDE CERTIFICATE

Certified that this Project report "LIQUID PETROLEUM HYDROCARBON OCEAN COASTAL WATER POLLUTION IDENTIFICATION USING DEEP NEURAL NETWORK" is bonafide work of KEERTHANA. R (Reg.No. 912619104011), RANJANI. K (Reg.No.912619104019), ABINAYA. S(Reg.No. 912619104301), who carried out the project work under my supervision.

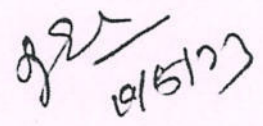

  
SIGNATURE  
Mrs.G.SUGAPRIYA.,M.E.,MS.,  
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Department of CSE,  
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Mrs.M.PARVEEN BANU.,ME.,  
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Submitted for the Project work and viva-voce held on ..19.05.23

  
INTERNAL EXAMINER

ii

  
EXTERNAL EXAMINER  
  
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**INTERACT COMPUTER WITH FACIAL  
EXPRESSION FOR TETRAPLEGIA  
USERS USING DEEP LEARNING**



**A PROJECT REPORT**

*Submitted by*

**HELAN. J**

**(Reg. No. 912619104010)**

**ROOPINA. R**

**(Reg. No. 912619104021)**

**SNEHA. R**

**(Reg. No. 912619104027)**

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**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**

**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

**KAIKKURICHI, PUDUKKOTTAI - 622 303**

**ANNA UNIVERSITY : CHENNAI 600 025**

**MAY 2023**

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



ANNA UNIVERSITY : CHENNAI 600 025

**BONAFIDE CERTIFICATE**

Certified that this project report "INTERACT COMPUTER WITH FACIAL EXPRESSION FOR TETRAPLEGIA USERS USING DEEP LEARNING" is the bonafide work of "HELAN. J (Reg. No 912619104010), ROOPINA. R (Reg.No 912619104021), SNEHA. R (Reg. No 912619104027) who carried out the project Work under my supervision.

  
SIGNATURE

Mrs. G. SUGAPRIYA., M.E., M.S.,  
HEAD OF THE DEPARTMENT,

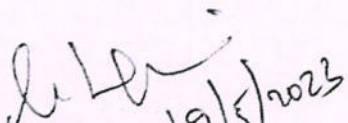
Department of CSE,  
Sri Bharathi Engineering College  
For Women,  
Pudukkottai- 622 303.

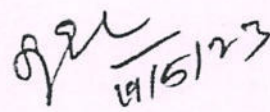
  
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Ms. S. JAYAPRIYA., M.E.,  
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Assistant Professor,  
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Sri Bharathi Engineering College  
For Women,  
Pudukkottai- 622 303.

Submitted for the project work and viva-voce held on 19.05.2023

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

ii

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





# CROP DISEASE PREDICTION USING NEURAL NETWORK



A PROJECT REPORT

*Submitted by*

ANNAPOORANI. M

(Reg. No. 912619104001)

MUTHU MEENAKSHI. M

(Reg. No. 912619104013)

SANTHI. D

(Reg. No. 912619104023)

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**

**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

**KAIKKURICHI, PUDUKKOTTAI-622 303**

**ANNA UNIVERSITY : CHENNAI 600 025**

**MAY 2023**

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



**ANNA UNIVERSITY : CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "CROP DISEASE PREDICTION USING NEURAL NETWORK" is the bonafide work of "ANNAPOORANI.M (Reg.No.912619104001), MUTHU MEENAKSHI.M (Reg.No.912619104013) SANTHI.D (Reg.No.912619104023)," who carried out the project work under my supervision.

  
SIGNATURE

**Mrs.G.SUGAPRIYA., M.E.,M.S.,  
HEAD OF THE DEPARTMENT,**

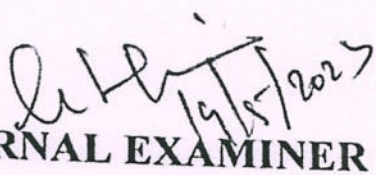
Department of CSE,  
Sri Bharathi Engineering College  
For Women ,  
Pudukkottai-622 303.

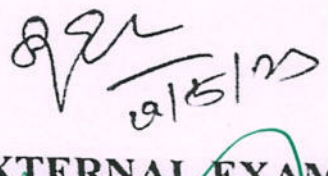
  
SIGNATURE

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Pudukkottai-622 303.

Submitted for the project work and viva-voce held on 19.05.2023

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER  
**Dr. S.THILAGAVATHI M.E.,Ph.D.,**  
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## Internal Marks Report

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

Branch Code / Name : 104 - B.E. Computer Science and Engineering

Semester : 08

University : AUC

Regulation : 2017

S.No	Register Number	Name	CS8080	CS8811	GE8076
1	912619104001	ANNAPOORANI M	12	19	18
2	912619104003	ARUNNAVAMEENA A	12	19	12
3	912619104004	DAYANA P	10	18	10
4	912619104005	DHARSHINI D	13	19	14
5	912619104007	FAHMIDHA B	15	19	17
6	912619104009	GULNAS FATHIMA S	18	19	18
7	912619104010	HELAN J	18	19	18
8	912619104011	KEERTHANA R	14	19	10
9	912619104012	MUTHULAKSHMI G	14	19	14
10	912619104013	MUTHU MEENAKSHI M	14	19	10
11	912619104014	NIROSHIKA R	14	18	12
12	912619104017	PARAMESHWARI S	11	19	11
13	912619104019	RANJANI K	12	19	7
14	912619104020	RILWANA PARVEEN J	16	19	16
15	912619104021	ROOPINA R	15	19	10
16	912619104022	SANDHIYA B	16	19	18
17	912619104023	SANTHI D	12	19	13
18	912619104024	SARANYA C	11	19	14
19	912619104027	SNEHA R	13	19	9
20	912619104029	SURIYA JOTHI S	12	19	14
21	912619104301	ABINAYA S	10	19	11

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

**2022-2023**

**COMPUTER SCIENCE AND  
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 COMPUTER SCIENCE AND ENGINEERING**

**ACADEMIC YEAR 2022 – 2023**  
**EXPERIENTIAL LEARNING (LABORATORY COURSE - II YEAR)**

CS3361

DATA SCIENCE LABORATORY

L T P C  
0 0 4 2

**COURSE OBJECTIVES:**

- To understand the python libraries for data science
- To understand the basic Statistical and Probability measures for data science.
- To learn descriptive analytics on the benchmark data sets.
- To apply correlation and regression analytics on standard data sets.
- To present and interpret data using visualization packages in Python.

**LIST OF EXPERIMENTS:**

1. Download, install and explore the features of NumPy, SciPy, Jupyter, Statsmodels and Pandas packages.
2. Working with Numpy arrays
3. Working with Pandas data frames
4. Reading data from text files, Excel and the web and exploring various commands for doing descriptive analytics on the Iris data set.
5. Use the diabetes data set from UCI and Pima Indians Diabetes data set for performing the following:
  - a. Univariate analysis: Frequency, Mean, Median, Mode, Variance, Standard Deviation, Skewness and Kurtosis.
  - b. Bivariate analysis: Linear and logistic regression modeling
  - c. Multiple Regression analysis
  - d. Also compare the results of the above analysis for the two data sets.
6. Apply and explore various plotting functions on UCI data sets.
  - a. Normal curves
  - b. Density and contour plots
  - c. Correlation and scatter plots
  - d. Histograms
  - e. Three dimensional plotting
7. Visualizing Geographic Data with Basemap

**Dr. S. THILAGAVATHI** M.E., P.H.D.,  
PRINCIPAL  
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Kaikkurichi - 622 303, Pudukkottai Dt.

**TOTAL: 60 PERIODS**

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






**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 2022 – 2023**  
**EXPERIENTIAL LEARNING (LABORATORY COURSE - II YEAR)**

S.NO	REG NO	NAME	LABORATORY COURSE	YEAR/SEM
1.	912621104001	ABINAYA K	CS3361 DATA SCIENCE LABORATORY	II/ III
2.	912621104002	AMEERA N		
3.	912621104003	ANJUGAM C		
4.	912621104004	ARUNDATHI S		
5.	912621104005	ASHIKA B		
6.	912621104006	DIVYA T		
7.	912621104007	ELACKIYA G		
8.	912621104008	GAYATHRI K		
9.	912621104009	GEETHA M		
10.	912621104010	HARSHITHA P		
11.	912621104011	ISHWARYA S		
12.	912621104012	JANANI R		
13.	912621104015	LAVANYA S		
14.	912621104016	MAHASREE P		
15.	912621104018	PRIYA M		
16.	912621104019	RABIKA R		
17.	912621104021	SAHEENA BEGAM A		
18.	912621104022	SASIPRIYA R		
19.	912621104023	SHAMIMA P		
20.	912621104024	SHEERA BANU A		
21.	912621104025	SIVAJOTHIKA S		
22.	912621104026	SIVAPRIYA R		
23.	912621104027	SUBHA DHARSHINI S		
24.	912621104028	SUBIKSHA S		
25.	912621104029	VINITHA K		
26.	912621104030	VISALATCHI S		
27.	912621104301	VISHNAVI B		
28.	912621104302	VISHNUPRIYA A		
29.	912621104701	AARTHI S		
30.	912621104702	SWATHI A.R		

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

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



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

Branch Code / Name : 104 - B.E. Computer Science and Engineering

Semester : 03

University : AUC

Regulation : 2021

S.No	Register Number	Name	CS3301	CS3311	CS3351	CS3352	CS3361	CS3381	CS3391	GE3361	MA3354
1	912621104001	ABINAYA K	29	52	28	26	52	49	29	88	33
2	912621104002	AMEERA N	37	59	37	36	56	56	37	92	39
3	912621104003	ANJUGAM C	29	55	31	31	55	55	31	85	33
4	912621104004	ARUNDATHI S	29	53	35	34	56	57	33	92	34
5	912621104005	ASHIKA B	27	49	31	35	55	54	31	86	31
6	912621104006	DIVYA T	29	50	27	28	51	50	28	84	31
7	912621104007	ELACKIYA G	33	55	31	29	53	54	30	90	33
8	912621104008	GAYATHRI K	31	50	29	30	50	50	29	84	29
9	912621104009	GEETHA M	32	50	31	29	50	53	31	83	32
10	912621104010	HARSHITHA P	36	59	38	34	58	58	39	93	40
11	912621104011	ISHWARYA S	34	59	37	34	53	55	35	90	36
12	912621104012	JANANI R	29	51	28	27	50	55	29	87	31
13	912621104015	LAVANYA S	30	55	28	28	50	53	28	87	29
14	912621104016	MAHASREE P	30	53	29	32	52	52	30	86	35
15	912621104018	PRIYA M	29	55	32	32	53	54	31	89	35
16	912621104019	RABIKA R	29	49	28	27	51	53	28	85	28
17	912621104021	SAHEENA BEGAM A	37	57	38	36	58	57	38	93	39
18	912621104022	SASIPRIYA R	32	56	37	33	53	56	34	91	34
19	912621104023	SHAMIMA P	37	58	38	37	58	55	38	92	39
20	912621104024	SHEERA BANU A	29	49	33	28	53	52	31	90	35
21	912621104025	SIVAJOTHIKA S	31	56	32	34	57	55	32	89	35
22	912621104026	SIVAPRIYA R	30	50	27	29	52	50	29	84	28
23	912621104027	SUBHA DHARSHINI S	35	58	38	36	56	58	33	93	34
24	912621104028	SUBIKSHA S	30	50	28	32	52	53	28	89	26
25	912621104029	VINITHA K	29	49	29	28	52	52	29	85	28
26	912621104030	VISALATCHI S	29	55	31	31	51	53	30	88	34
27	912621104301	VAISHNAVI B	34	56	32	29	56	56	30	93	35
28	912621104302	VISHNUPRIYA A	33	57	31	33	54	54	31	89	35
29	912621104701	AARTHI S	31	53	28	30	53	50	31	89	29
30	912621104702	SWATHI A R	32	50	35	34	53	58	33	93	35

  
**Dr. S. THILAGAVATHI M.E., Ph.D.,**  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**ACADEMIC YEAR 2022 – 2023**

**EXPERIENCIAL LEARNING (LABORATORY COURSE - III YEAR)**

**CS8582 OBJECT ORIENTED ANALYSIS AND DESIGN LABORATORY**

**L T P C**  
**0 0 4 2**

**OBJECTIVES:**

- To capture the requirements specification for an intended software system
- To draw the UML diagrams for the given specification
- To map the design properly to code
- To test the software system thoroughly for all scenarios
- To improve the design by applying appropriate design patterns.

**Draw standard UML diagrams using an UML modeling tool for a given case study and map design to code and implement a 3 layered architecture. Test the developed code and validate whether the SRS is satisfied.**

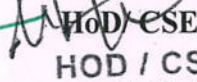
1. Identify a software system that needs to be developed.
2. Document the Software Requirements Specification (SRS) for the identified system.
3. Identify use cases and develop the Use Case model.
4. Identify the conceptual classes and develop a Domain Model and also derive a Class Diagram from that.
5. Using the identified scenarios, find the interaction between objects and represent them using UML Sequence and Collaboration Diagrams
6. Draw relevant State Chart and Activity Diagrams for the same system.
7. Implement the system as per the detailed design
8. Test the software system for all the scenarios identified as per the usecase diagram
9. Improve the reusability and maintainability of the software system by applying appropriatedesign patterns.
10. Implement the modified system and test it for various scenarios

**SUGGESTED DOMAINS FOR MINI-PROJECT:**

1. Passport automation system.
2. Book bank
3. Exam registration
4. Stock maintenance system.
5. Online course reservation system
6. Airline/Railway reservation system
7. Software personnel management system
8. Credit card processing
9. e-book management system
10. Recruitment system
11. Foreign trading system
12. Conference management system
13. BPO management system
14. Library management system
15. Student information system

**TOTAL: 60 PERIODS**

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

  
HOD / CSE  
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KAIKKURICHI,  
PUDUKKOTTAI - 622 303





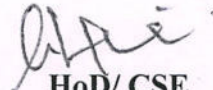
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**ACADEMIC YEAR 2022 – 2023**

**EXPERIENTIAL LEARNING (LABORATORY COURSE - III YEAR)**

S.NO	REG NO	NAME	LABORATORY COURSE	YEAR/SEM
1.	912620104001	AKALYA S	<b>CS8582 OBJECT ORIENTED ANALYSIS AND DESIGN LABORATORY</b>	<b>III/ V</b>
2.	912620104002	HEMA V		
3.	912620104003	ISWARYA R		
4.	912620104004	KALAIVANI S		
5.	912620104005	KALPANA K		
6.	912620104007	MEIYYAMMAL M		
7.	912620104008	NANDHINI P		
8.	912620104009	PRASANNA DEVI P		
9.	912620104010	PRISHIYA E		
10.	912620104012	ROSAMMAL M		
11.	912620104013	ROSHIKA K		
12.	912620104014	SABHA AYSHA S		
13.	912620104015	SATHIYASRI P		
14.	912620104016	SIVAGAMI D		
15.	912620104017	SIVAHARINI S		
16.	912620104018	SUBASHINI C		
17.	912620104019	SUBASHINI M		
18.	912620104020	SWETHA D		
19.	912620104021	VANATHI T		
20.	912620104022	VINCIYA MARY S		
21.	912620104304	VAISHNAVI R		

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

  
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KAIKKURICHI,  
PUDUKKOTTAI - 622 303



## Internal Marks Report

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

Branch Code / Name : 104 - B.E. Computer Science and Engineering

Semester : 05

University : AUC

Regulation : 2017

S.No	Register Number	Name	CS8501	CS8581	CS8582	CS8591	CS8592	EC8681	EC8691	MA8551	OMD551
1	912620104001	AKALYA S	10	18	17	9	11	18	12	12	11
2	912620104002	HEMA V	15	19	19	13	18	19	18	18	16
3	912620104003	ISWARYA R	15	19	18	11	14	19	15	15	14
4	912620104004	KALAIVANI S	15	19	19	14	14	18	16	15	14
5	912620104005	KALPANA K	11	19	19	14	14	18	15	12	15
6	912620104007	MEIYYAMMAL M	14	19	18	12	13	18	16	14	15
7	912620104008	NANDHINI P	16	18	17	17	16	19	18	17	17
8	912620104009	PRASANNA DEVI P	18	19	19	14	16	19	18	19	18
9	912620104010	PRISHIYA E	15	20	19	10	15	18	15	15	14
10	912620104012	ROSAMMAL M	16	19	20	14	15	19	18	18	17
11	912620104013	ROSHIKA K	15	18	18	14	13	18	15	14	15
12	912620104014	SABHA AYSHA S	8	19	17	11	12	18	14	12	10
13	912620104015	SATHIYASRI P	13	18	17	9	13	18	13	12	12
14	912620104016	SIVAGAMI D	13	19	17	11	11	18	14	14	10
15	912620104017	SIVAHARINI S	15	19	19	12	17	19	18	15	15
16	912620104018	SUBASHINI C	18	19	19	17	18	20	19	20	19
17	912620104019	SUBASHINI M	17	18	18	11	14	19	17	17	17
18	912620104020	SWETHA D	7	16	16	5	8	18	9	8	9
19	912620104021	VANATHI T	13	19	19	13	14	18	15	16	16
20	912620104022	VINCIYA MARY S	15	19	19	12	16	19	13	14	19
21	912620104304	VAISHNAVI R	6	17	17	7	6	18	9	5	7

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

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

**Criteria 2**

**Teaching-Learning and Evaluation**

**350**

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

**2022-2023**

**COMPUTER SCIENCE AND  
ENGINEERING  
EXPERIENTIAL LEARNING  
INDUSTRIAL VISIT**





**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**ACADEMIC YEAR (2022 - 2023 )**  
**EXPERIENTIAL LEARNING (INDUSTRIAL VISIT)**

**STUDENT LIST**

S.NO	REG NO	NAME	YEAR/SEM	NAME OF LEARNING METHOD
1.	912621104001	ABINAYA.K	II/ IV	<b>EXPERIENTIAL LEARNING METHOD</b>  <b>INDUSTRIAL VISIT INDIAN SPACE RESEARCH ORGANIZATION (ISRO)</b>
2.	912621104004	ARUNDATHI.S		
3.	912621104006	DIVYA.T		
4.	912621104008	GAYATHRI.K		
5.	912621104009	GEETHA.M		
6.	912621104010	HARSHITHA.P		
7.	912621104011	ISHWARYA.S		
8.	912621104012	JANANI.R		
9.	912621104015	LAVANYA.S		
10.	912621104019	RABIKA.R		
11.	912621104022	SASIPRIYA.R		
12.	912621104023	SHAMIMA.P		
13.	912621104024	SHEERA BANU.A		
14.	912621104028	SUBIKSHA.S		
15.	912621104030	VISALATCHI.S		
16.	912621104301	VAISHNAVI. B		
17.	912621104302	VISHNU PRIYA. A		
18.	912621104701	AARTHI .S		
19.	912621104702	SWATHI .A.R		
20.	912620104001	AKALYA.S	III/ VI	
21.	912620104002	HEMA.V		
22.	912620104004	KALAVANI.S		
23.	912620104005	KALPANA.K		
24.	912620104007	MEIYYAMMAL.M		
25.	912620104008	NANDHINI.P		
26.	912620104009	PRASANNA DEVI.P		
27.	912620104010	PRISHIYA.P		
28.	912620104012	ROSAMMAL.M		
29.	912620104014	SABHAAYSHA.S		

  
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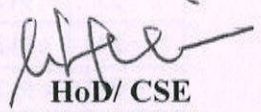




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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

30.	912620104015	SATHIYASRI.P		
31.	912620104016	SIVAGAMI.D		
32.	912620104017	SIVAHARINLS		
33.	912620104019	SUBASHINI.M		
34.	912620104021	VANATHI.T		
35.	912620104022	VINCIYA MARY.S		
36.	912620104304	VAISHNAVI.R		
37.	912619104003	ARUNNAVAMEENA A		
38.	912619104004	DAYANA P		
39.	912619104005	DHARSHINI D		
40.	912619104007	FAHMIDHA B		
41.	912619104009	GULNAS FATHIMA S		
42.	912619104010	HELAN J		
43.	912619104011	KEERTHANA R		
44.	912619104012	MUTHULAKSHMI G		
45.	912619104013	MUTHU MEENAKSHI M		
46.	912619104017	PARAMESHWARI S	IV / VIII	
47.	912619104019	RANJANI K		
48.	912619104020	RILWANA PARVEEN J		
49.	912619104021	ROOPINA R		
50.	912619104022	SANDHIYA B		
51.	912619104023	SANTHI D		
52.	912619104024	SARANYA C		
53.	912619104027	SNEHA R		
54.	912619104029	SURIYA JOTHI S		
55.	912619104301	ABINAYA S		

  
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# 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 : 30.03.2023

## BONAFIDE CERTIFICATE

This is to certify that the following students of our college are studying II, III & IV Year of B.E/Computer Science and Engineering during this academic year 2022-2023.

II YEAR		
S.NO	REG.NO	NAME OF THE STUDENT
1.	912621104001	ABINAYA.K
2.	912621104004	ARUNDATHI.S
3.	912621104006	DIVYA.T
4.	912621104008	GAYATHRI.K
5.	912621104009	GEETHA.M
6.	912621104010	HARSHITHA.P
7.	912621104011	ISHWARYA.S
8.	912621104012	JANANI.R
9.	912621104015	LAVANYA.S
10.	912621104019	RABIKA.R
11.	912621104022	SASIPRIYA.R
12.	912621104023	SHAMIMA.P
13.	912621104024	SHEERA BANU.A
14.	912621104028	SUBIKSHA.S
15.	912621104030	VISALATCHI.S
16.	912621104301	VAISHNAVI. B
17.	912621104302	VISHNU PRIYA. A
18.	912621104701	AARTHI .S

  
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19.	912621104702	SWATHI .A.R
<b>III YEAR</b>		
1.	912620104001	AKALYA.S
2.	912620104002	HEMA.V
3.	912620104004	KALAVANI.S
4.	912620104005	KALPANA.K
5.	912620104007	MEIYYAMMAL.M
6.	912620104008	NANDHINI.P
7.	912620104009	PRASANNA DEVI.P
8.	912620104010	PRISHIYA.P
9.	912620104012	ROSAMMAL.M
10.	912620104014	SABHAAYSHA.S
11.	912620104015	SATHIYASRI.P
12.	912620104016	SIVAGAMI.D
13.	912620104017	SIVAHARINI.S
14.	912620104019	SUBASHINI.M
15.	912620104021	VANATHI.T
16.	912620104022	VINCIYA MARY.S
17.	912620104304	VAISHNAVI.R
<b>IV YEAR</b>		
1.	912619104003	ARUNNAVAMEENA A
2.	912619104004	DAYANA P
3.	912619104005	DHARSHINI D
4.	912619104007	FAHMIDHA B
5.	912619104009	GULNAS FATHIMA S
6.	912619104010	HELAN J
7.	912619104011	KEERTHANA R
8.	912619104012	MUTHULAKSHMI G
9.	912619104013	MUTHU MEENAKSHI M
10.	912619104017	PARAMESHWARI S

  
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11.	912619104019	RANJANI K
12.	912619104020	RILWANA PARVEEN J
13.	912619104021	ROOPINA R
14.	912619104022	SANDHIYA B
15.	912619104023	SANTHI D
16.	912619104024	SARANYA C
17.	912619104027	SNEHA R
18.	912619104029	SURIYA JOTHI S
19.	912619104301	ABINAYA S

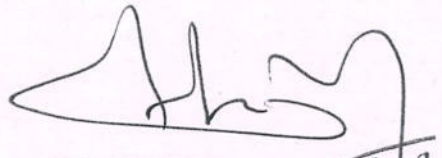
Accompanying Staff Members:

1. Mrs.G.SugaPriya, Assistant Professor/CSE Department
2. Ms.S.JayaPratha, Assistant Professor/CSE Department
3. Mrs.S.YogaLakshmi, Assistant Professor/CSE Department

This certificate is issued only for the purpose of attending **Industrial visit** in Vikram Sarabhai Space Centre(ISRO),Thiruvananthapuram, Kerala



  
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**PRINCIPAL** 30/03/21  
PRINCIPAL  
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PUDUKKOTTAI DISTRICT





**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
(Approved By AICTE New Delhi & Affiliated to Anna University Chennai.)  
Kaikuruchi, Pudukkottai

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**CONFIRMATION LETTER FROM ISRO VIA MAIL**

Gmail interface showing an email from no-reply@vssc.gov.in. The email subject is "VSSC Space Museum visit - Confirmation". The body of the email contains the following text:

Dear Sugapriya G,  
Your request to visit space museum has been APPROVED.

Visit ID: 303232  
Date of visit : 31-03-2023 9:30 AM  
Nos. of Visitors : 141

**Guidelines**

- Printed entry pass can be obtained either from the Public Relations Office, VSSC near Veil Church or from the security gate at Canal gate, near Stationkadavu at the northern boundary of the VSSC campus. For this purpose the group leader should furnish the details of the assigned request ID along with the registered proof of identity at the above identified points. On verification, the pass will be printed and issued. The pass will be valid only for the date of issue.
- Limited number of vehicles will be allowed up to Space Museum. Group leader should provide the details of the vehicle while seeking entry pass.
- Entry will be allowed only from the Canal gate.
- Mobile phone, camera, CD, USB drive, floppy or other electronic gadgets are strictly prohibited inside the campus.
- A visit to the space museum will take more than an hour. There will be regular film shows on all days. Special shows will be arranged for groups with not less than 40 visitors on request.
- Sounding rockets are generally launched from TERLS on every third Wednesday at 11:45 hours (subject to change for technical reasons) for scientific purposes. Those who wish to witness the launch should be present at space museum before 10:30 hrs.
- VSSC will not be responsible for any accident to the visitors or for any loss/damage to their belongings during their visit to VSSC or to any of its facilities, or while launching rockets.

For any further queries, please contact public Relations : 0471-2564292, 2565649

Regards,  
Public Relations Officer, VSSC

\*\*\*\* PLEASE DON'T REPLY TO THIS MAIL\*\*\*\*

  
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Chennai  
**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
Kaikkurichi, Pudukkottai- 622 303.  
DEPARTMENT OF ECE, EEE, CSE & CIVIL.  
ACADAMIC YEAR 2022-2023( EVEN SEMESTER)

Date:21.03.2023

From

Mrs.R.Yogeshwari, Mrs.B.Priya, Mrs.G.Sugapriya, Mrs.R.Padmarani,  
HOD/ECE/EEE/CSE/CIVIL.,  
Sri Bharathi Engineering College for Women,  
Kaikkurichi, Pudukkottai Dt- 622303.

To

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

*Approved*  
23/3/23

Madam,

Sub: Tentative Industrial Visit programme for All Departments Students-Approval  
requested - Reg.

I am submitting herewith a tentative Industrial Visit programme for students of ECE, EEE, CSE & CIVIL departments scheduled to be on 31.03.2023(Friday) and 01.04.2023(Saturday) for an educational visit to ISRO, Thiruvananthapuram, Kerala. We are furnishing herewith the particulars that may be required for favour of information and approval.

Number of IV year Students of ECE, EEE, CSE & CIVIL	= 06+09+19+10=44
Number of III year Students of ECE, EEE, CSE & CIVIL	= 09+06+19+1=35
Number of II year Students of ECE, EEE, CSE & CIVIL	= 10+02+19+8=39
Total number of students	= 118
Number of accompanying Faculty	= 10

List of accompanying Faculty

1. Mrs.R.Yogeshwari, Assistant Professor/ECE Department
2. Mrs.K.A.Muthulakshmi, Assistant Professor/ECE Department
3. Mrs.G.Sugapriya, Assistant Professor/CSE Department
4. Mrs.S.Jayapratha, Assistant Professor/CSE Department
5. Mrs.S.Yogalakshmi, Assistant Professor/CSE Department
6. Ms.R.Padmarani, Assistant Professor/CIVIL Department
7. Mrs.P.Dennis Flora, Assistant Professor/CIVIL Department
8. Mrs.Raci.Mahizhini, Assistant Professor/CIVIL Department
9. Mr.T.Parthiban, Assistant Professor/EEE Department
10. Mr.S.Rameshraj, Assistant Professor/English Department

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

Place: Kaikkurichi  
Date: 21/3/23



Yours truly,

1. *[Signature]*
2. *[Signature]* (G. Sugapriya)
3. *[Signature]* (R. Padma Rani)
4. *[Signature]* (B. Priya)





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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**REPORT ON INDUSTRIAL VISIT**

**PLACE OF VISIT : Indian Space Research Organization (ISRO), Thiruvananthapuram**

**DATE :31<sup>st</sup> MARCH 2023.**

The industrial visit is scheduled for two days (31.03.2023 and 01.04.2023) for ECE (26) , EEE (17) ,CSE(55) and CIVIL(17) departments. 115 students and 10 staffs visited Vikram Sarabhai Space Centre(ISRO),Thiruvananthapuram, Kerala on 31.03.2023

This visit was mainly focused on understanding the working principles of space stations. They explained about various tools that are used for rocket and space jacket worn by the astronants and the parts of the rocket were also kept there. The future launching space station was also kept as a model and visited the Space Museum.

15 mins visuals were showed us regarding the working and success of the organization for the past 50 years which was really amazing to know about the organization.

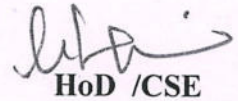


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**OUTCOME OF THE VISIT:**

- The technology and the tools used for space stations was known.
- The process involved in making and sending space stations were explained.
- Importance and their success stories made us more inspiring.



**HoD /CSE**

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