

RAJARAJESWARI COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG

Internship Details

Semester VII (2018-2019)

S.NO	USN Number	Name of the Student	Name of the company
1	1RR15EC063	Nithin N	TECH FORTUNE Nichon Communication, 5/19 & 6/20 , 2 nd Floor , 11 th Cross Road, West of Chord Road, 2 nd Stage, Mahalakshmi Layout Nagapura , Bangalore-560086. Ph: 9591687143 8317355535
2	1RR15EC097	Yashas S	
3	1RR15EC070	Prajwal P	
4	1RR15EC008	Ranjana B	
5	1RR16EC405	Harsha Vardhana V K	
6	1RR15EC083	Sharath G	
7	1RR15EC025	Gopi K	
8	1RR15EC033	Harshitha S	
9	1RR15EC082	Sanjay R	
10	1RR15EC090	Varun C N	
11	1RR15EC015	Chethan Kumar A D	
12	1RR15EC086	Sushmitha S	
13	1RR16EC415	Prithiviraj G S	
14	1RR15EC006	Arya S Das	
15	1RR15EC003	Aishwarya B Nadageri	
16	1RR16EC418	Rakesh L	
17	1RR16EC423	Sharath Kumar S R	

18	1RR16EC406	Manohara K	
19	1RR16EC407	Manoj K	
20	1RR15EC044	Lavanya B	
21	1RR15EC064	Nithish Reddy S	





22	1RR15EC096	Vybhav Gowda B S	AROHAKA TECHNOLOGIES , #36 , JCST Layout , Kuvempunagar , M Block , Mysuru , Karnataka – 570023 Ph: +91-821-48522811
23	1RR15EC065	Niveditha M	NEXSYS . No 737 , 1 st And 2 nd Floor, Behind Surana College, Kommanaghatta Main Road, Kengeri , Uppanagar , Bangalore-560060. Ph: 8028483836
24	1RR16EC425	Siddhalingesha S Karikanti	
25	1RR14EC011	Arshiya Fathima	SHREEKRISH INNOVATIONS , Grid R & D , D , # 1980 , 3 rd Floor , 26 th Cross Road , 7 th Cross , Banashankari , Bangalore -560070. Ph: 080-28488990
26	1RR15EC081	Saki Banda Ravali	
27	1RR16EC420	Ranjitha R	
28	1RR16EC428	Sushma V	
29	1RR15EC087	Tanuja A N	HAL , Overhaul Division , Bangalore Complex , Hindustan Aeronautics Limited, Bangalore -560017. Ph: 8022313521
30	1RR15EC073	Priyanka B U	
31	1RR15EC095	Vipin Padman N	
32	1RR15EC045	Likitha S	KNOUX , #56/56 , 2 nd Floor ,

			Pushpagiri Complex , 17 th Cross , 8 th Main , Vijayanagar , Bangalore – 560040. Ph:080-41735554
33	1RR15EC005	Apoorva Hegde	BHARAT ELECTRONICS Jalahalli Post , Bangalore – 560013. Ph: 080-22195323
34	1RR15EC009	Balasubramanian D	
35	1RR15EC066	Pooja B J	BHEL , Electronics Division , Mysore Road , Bangalore – 560026 .
36	1RR15EC067	Pooja S S	
37	1RR15EC076	Rashmitha S	
38	1RR15EC074	Priyanka T Petkar	
39	1RR16EC409	Meghana K	
40	1RR15EC071	Prathap Kumar K B	
41	1RR16EC402	Channabasanagouda Patil	FCS , Fluid Control Systems, #31 , Annapoorneswari Industrial Area , Kanakapura Main Road , Doddakallasandra Post , Bangalore – 560062 . Ph: 9845025856
42	1RR15EC094	Vijetha Shravya	APSIS SOLUTIONS , #1353 , A-Square BCCHS Layout , Sir M.Visvesvaraya Square , Near Holiday Village Resort , Vajrahalli – Raghuvanahalli , Kanakapura Main Road , Bangalore -560062. Ph:8026320056
43	1RR15EC084	Shilpa Vasu Naik	
44	1RR15EC020	Deepika G	
45	1RR15EC039	Karthik V	
46	1RR15EC061	Niriksha P	
47	1RR15EC068	Prabhanjan R	
48	1RR15EC002	Aishwarya N S	
49	1RR15EC092	Vasant Sharmbanna Bhovibadar	
50	1RR15EC078	Roshan Anthon Pereira	

51	1RR15EC010	Bharath Yadav B S	APSIS SOLUTIONS , #1353 , A-Square BCCHS Layout , Sir M.Visvesvaraya Square , Near Holiday Village Resort , Vajrahalli – Raghuvanahalli , Kanakpura Main Road , Bangalore -560062. Ph:8026320056
52	1RR15EC077	Revathi S	
53	1RR15EC060	Nukitha S Shetty	
54	1RR15EC018	Chinmayee M R	
55	1RR15EC080	Kruthika Kumari	
56	1RR15EC069	Pragathi P	
57	1RR15EC042	Kishor Kumar	
58	1RR15EC017	Chetan N	
59	1RR15EC050	Meghana S	
60	1RR15EC021	Devaraj K	
61	1RR15EC062	Nishigandha J S	TECHNOFLY , #21 , 17 th Cross , Vijayanagar , Near Maruthi Mandir , Next to VETA , Bangalore -560040. Ph:9663476586.
62	1RR14EC038	Ganesh Manay V	
63	1RR14EC079	Ruchitha Kumar	Wipro Technologies , Keonics Electronic City Bangalore 560100.
64	1RR15EC034	Hitha R	SHREEKRISH INNOVATIONS , Grid R & D , D , # 1980 , 3 rd Floor , 26 th Cross Road , 7 th Cross , Banashankari , Bangalore -560070. Ph: 080-28488990
65	1RR15EC026	Gowthami G	
66	1RR15EC040	Kavya S	
67	1RR15EC055	Nadiya M	
68	1RR15EC058	Navyashree N Rai	
69	1RR15EC043	Latha R E	
70	1RR15EC013	Chaitra N	
71	1RR15EC019	Chitra R	
72	1RR15EC053	Monica B	




RAJARAJESWARI COLLEGE OF ENGINEERING
DEPT. OF ELECTRONICS & COMMUNICATION ENGG
INTERNSHIP SUPERVISOR ALLOTMENT







15EC84

S.NO	USN Number	Name of the Student	Name of the company	Name of the Faculty Incharge	Date of Visit	Sign
1	IRR15EC063	Nithin N	TECH FORTUNE Nichon Communication, 5/19 & 6/20 , 2 nd Floor , 11 th Cross Road, West of Chord Road, 2 nd Stage, Mahalakshmi Layout Nagapura , Bangalore-560086. Ph: 9591687143 8317355535	Prof. V. Sreepathi	25-7-18	
2	IRR15EC097	Yashas S				
3	IRR15EC070	Prajwal P				
4	IRR15EC008	Ranjana B		Prof. M. Sathya Sreenivas	25-7-18	
5	IRR16EC405	Harsha Vardhana V K				
6	IRR15EC083	Sharath G				
7	IRR15EC025	Gopi K		Sumitha Prof. S. Manoj	26-7-18	
8	IRR15EC033	Harshitha S				
9	IRR15EC082	Sanjay R				
10	IRR15EC090	Varun C N		Prof. Salma Rosline Mary	30 20 -7-18	
11	IRR15EC015	Chethan Kumar A D				
12	IRR15EC086	Sushmitha S				
13	IRR16EC415	Prithviraj G S				
14	IRR15EC006	Arya S Das				
15	IRR15EC003	Aishwarya B Nadageri				
16	IRR16EC418	Rakesh L				
17	IRR16EC423	Sharath Kumar S R				

18	IRR16EC406	Manohara K		Prof. Namitha	30-7-18	Namitha
19	IRR16EC407	Manoj K				
20	IRR15EC044	Lavanya B				
21	IRR15EC064	Nithish Reddy S				
22	IRR15EC096	Vybhav Gowda B S	AROHA TECHNOLOGIES , #36, JCST Layout, Kuvempunagar, M Block, Mysuru, Karnataka - 570023 Ph: +91-821-48522811	Suresh Prof. Pushpa M J Alternate Staff	26-7-18	P. P. J
23	IRR15EC065	Niveditha M	NEXSYS , No 737, 1 st And 2 nd Floor, Behind Surana College, Kommanaghatta Main Road, Kengeri, Uppanagar, Bangalore-560060. Ph: 8028483836	Prof. Pushpa M J	31-7-18	P. P. J
24	IRR16EC425	Siddhalingesha S Karikanti				
25	IRR14EC011	Arshiya Fathima	SHREEKRISH INNOVATIONS , Grid R & D, D, # 1980, 3 rd Floor, 26 th Cross Road, 7 th Cross, Banashankari, Bangalore -560070. Ph: 080-28488990	Prof. Haritha K S	30-7-18	Haritha
26	IRR15EC081	Saki Banda Ravali				
27	IRR16EC420	Ranjitha R				
28	IRR16EC428	Sushma V				
29	IRR15EC087	Tanuja A N	HAL , Overhaul Division, Bangalore Complex, Bangalore -560017. Ph: 8022313521	Dr. S. R. Aarthi Avanthiga	30-7-18	X
30	IRR15EC073	Priyanka B U				
31	IRR15EC095	Vipin Padman N				
31	054	Kiran	IT SC, B'lore			

32	IRR15EC045	Likitha S	KNOUX , #56/56, 2 nd Floor, Pushpagiri Complex, 17 th Cross 8 th Main, Vijayanagar, Bangalore - 560040. Ph:080-41735554	Prof.P. Bhuvaneswari	26-7-18	<i>188</i>
33	IRR15EC005	Apoorva Hegde	BHARAT ELECTRONICS Jalahalli Post, Bangalore - 560013. Ph: 080-22195323	Prof.P. Bhuvaneswari	31-7-18	<i>188</i>
34	IRR15EC009	Balasubramanian D	BHEL , Electronics Division, Mysore Road, Bangalore - 560026.	Prof.Vijaya S M	30-7-18	<i>188</i>
35	IRR15EC066	Pooja B J				
36	IRR15EC067	Pooja S S				
37	IRR15EC076	Rashmitha S				
38	IRR15EC074	Priyanka T Petkar				
39	IRR16EC409	Meghana K	Fluid Control Systems, #31, Annapoorneswari Industrial Area, Kanakapura Main Road, Doddakallasandra Post, Bangalore - 560062. Ph: 9845025856	Prof. Deepika J	25-7-18	<i>188</i>
40	IRR15EC071	Prathap Kumar K B				
41	IRR16EC402	Channabasanagouda Patil				
42	IRR15EC094	Vijetha Shravya				
43	IRR15EC084	Shilpa Vasu Naik				
44	IRR15EC020	Deepika G	APSYS SOLUTIONS , #1353, A-Square BCCHS Layout, Sir M.Visvesvaraya Square, Near Holiday Village Resort, Vajrahalli - Raghuvanahalli,	Prof. Santhosh G	26-7-18	<i>188</i>

45	1RR15EC039	Karthik V	Kanakpura Main Road , Bangalore -560062. Ph:8026320056			
46	1RR15EC061	Niriksha P				
47	1RR15EC068	Prabhanjan R				
48	1RR15EC002	Aishwarya N S				
49	1RR15EC092	Vasant Sharmbanna Bhovibadar		Prof. Lokeshia Santosh chetan	27-7-18	
50	1RR15EC078	Roshan Anthon Pereira	APSIS SOLUTIONS , #1353 , A-Square BCCHS Layout , Sir M. Visvesvaraya Square , Near Holiday Village Resort , Vajrahalli – Raghuvanahalli , Kanakpura Main Road , Bangalore -560062. Ph:8026320056			
51	1RR15EC010	Bharath Yadav B S				
52	1RR15EC077	Revathi S				
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54	1RR15EC018	Chinmayee M R				
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57	1RR15EC042	Kishor Kumar				
58	1RR15EC017	Chetan N				
59	1RR15EC050	Meghana S		Prof. Santhosh Chavan Lokeshia K	25-7-18	
60	1RR15EC021	Devaraj K				
61	1RR15EC062	Nishigandha J S				

62	1RR14EC038	Ganesh Manay V	TECHNOFLY #21, 17 th Cross, Vijayanagar Near Maruthi Mandir, Next to VETA, Bangalore -560040. Ph:9663476586.	Prof. Abhilasha	26-7-18	
63	1RR14EC079	Ruchitha Kumar	Wipro Technologies , Keonics Electronic City Bangalore 560100.	Prof. Usha K-S <i>Dr. S.R. Aarth</i> <i>Avantika</i>	30-7-18 27-7-18	
64	1RR15EC034	Hitha R	SHREEKRISH INNOVATIONS , Grid R & D, D, # 1980, 3 rd Floor, 26 th Cross Road, 7 th Cross, Banashankari, Bangalore -560070. Ph: 080-28488990	Prof. Vani S Badiger	31-7-18	
65	1RR15EC026	Gowthami G				
66	RR15EC040	Kavya S				
67	RR15EC055	Nadiya M				
68	1RR15EC058	Navyashree N Rai		<i>Sunitha</i> Prof. Sunitha Manej	31-7-18	
69	1RR15EC043	Latha R E				
70	1RR15EC013	Chaitra N		Prof. Deepika J	30-7-18	
71	1RR15EC019	Chitra R				
72	1RR15EC053	Monica B				
73	1RR15EC057	Navya J				
74	1RR15EC048	Meenakshi K	BMTC , I.T.S Department Block 1 st Floor, Shanthi Nagar, Bangalore - 560027 Ph : 7760992929	Prof. Abhilasha	31-7-18	
75	1RR15EC014	Chandan J V				
76	1RR15EC011	Bhumika M				

77	IRR15EC056	Nagadhar Sai Kanderi	BSNL, 3 rd Floor, Telephone Building, 4 th Block, Jayanagar, Bangalore - 560011.	Pushpa M J Prof. M. Suresh	26-7-18	m8000f
78	IRR15EC007	Aswini J	IGNOMAGINE, 20/1 Mosque Road, Frazer Town, Bangalore - 560005	Prof Usha K S	27-7-18	182
79	IRR15EC038	Nithin K S				
80	IRR15EC027	Guruprasad B R				
81	IRR15EC037	Jyotikeransidda ppa Kallur	AMIT Mysore	Prof. Suresh	26-7-18	m8000f
82	IRR15EC054	Kiran Kumar	IISC, Bangalore	Prof. A.P. Jyoti	30/7/18	SRP

← 82 IRR15EC054 Kiran Kumar
S.R. Adithyana

23/7/18

[Internship Coordinator]

Receall
HOD/ECE
PROFESSOR & HEAD
Dept. of Electronics & Communication Engg
RAJARAJESWARI COLLEGE OF ENG
BENGALURU - 560 074

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A INTERNSHIP REPORT

ON

**“STUDY OF PRODUCTS AT
BHEL—ELECTRONICS DIVISION”**

*SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD
OF DEGREE OF*

**BACHELOR OF ENGINEERING
IN**

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

PRIYANKA T. PETKAR

[USN:1RR15EC074]

Under the guidance of

S.M. Vijaya

Associate Professor,

Dept. of ECE



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING**

[NBA & NAAC Accredited, ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2018-2019

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A INTERNSHIP REPORT

ON

**“STUDY OF PRODUCTS AT
BHEL–ELECTRONICS DIVISION”**

*SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD
OF DEGREE OF*

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

PRIYANKA T. PETKAR

[USN:1RR15EC074]

Under the guidance of

S.M. Vijaya

Associate Professor,

Dept. of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

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2018-2019

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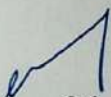
#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

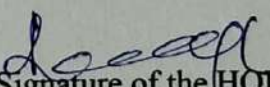


CERTIFICATE

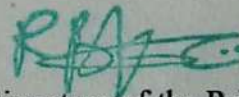
This is to certify that the In-plant training entitled **"Study of products at BHEL-Electronics Division"** is a bonafide work carried out by Priyanka T. Petkar (1RR15EC074), in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship report prescribed for the said Degree.


Signature of the Guide

Prof. S.M. Vijaya

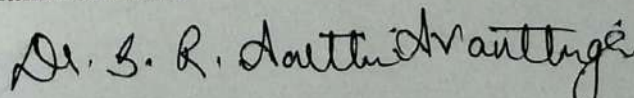
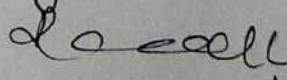

Signature of the HOD

Dr. L. Rangaiah
PROFESSOR & HEAD
DEPT. OF ELECTRONICS & COMMUNICATION ENG
RAJARAJESWARI COLLEGE OF ENGG.
BENGALURU - 560 074
External Viva

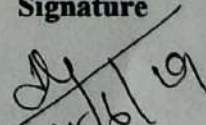
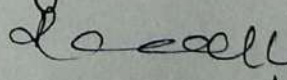

Signature of the Principal

Dr. R. Balakrishna

Examiner Name

1. 
Dr. S. R. Ananth Manthya
2. 
Dr. L. Rangaiah

Signature


15/6/19

15/6/19



ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್

भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

(A Government of India Undertaking)

Electronics Division

PB No. 2606, Mysore Road, Bangalore - 560 026.

An ISO 9001, ISO 14001, OHSAS 18001 and ISMS Certified Unit

Ph : 080 26998400, 26998380,
26998526, 26989079
e-mail: hrd@bheledn.co.in

Certificate

This is to certify that

Ms. PRIYANKA T. PETKAR

A Student of B.E.

[ELECTRONICS & COMMUNICATION ENGINEERING]

RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALGODU, MYSORE ROAD, BANGALORE-560 074.

Duration of Inplant Training	04 Weeks	From	05.07.2018	To	02.08.2018
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During this In plant-Training, Students were provided with an Industry orientation and insight into our various Manufacturing processes. They were also imparted technical inputs on our products and departemnts, as elaborated below:

1. POWER PLANT - AN OVERVIEW OF THERMAL, HYDRO, SOLAR & NUCLEAR PP
2. CONTROL EQUIPMENT MANUFACTURING (CE FABRICATION, MAIN ASSEMBLY AND & SYSTEM TESTING)
3. SUB ASSEMBLY (ENGINEERING, PCB ASSEMBLY AND TESTING)
4. SEMICONDUCTORS AND PHOTOVOLTAICS
5. TRACTION SYSTEMS, EXCITATION SYSTEMS, GENERATOR CONTROLS
6. SCADA, PADO, HVDC, HMI AND BOP
7. PROJECT MANAGEMENT, MATERIAL MANAGEMENT & QUALITY SYSTEMS

This Inplant Training was accorded as per request from the institution, where the student is studying, for partial fulfillment of the completion of the course.

The Student evinced keen interest in learning, and has completed the Inplant Training. The conduct of the Student was **Very Good** during the above period.

Place : Bangalore

Date : 02.08.2018

Signature of Issuing Authority

with Seal
ಉದಯಕುಮಾರ್ ಆರ್., ಸಿ. ಮ್ಯಾನೇಜರ್ / ಮಾ.ಸಂ.ವಿ.

उदयकुमार आर., वरि. प्रबंधक / -मा.सं.वि

UDAYA KUMAR R., Sr. MANAGER / HRD

BHEL-EDN, MYSORE ROAD, BANGALORE-560 026

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



An Internship Report

On

MILITARY RADARS

Submitted in the partial fulfilment for the award of degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

BALASUBRAMANIAN D

[USN: 1RR15EC009]

Under the Guidance of

P. BHUVANESWARI

Associate Professor,



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

[ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Accredited to HACT International, NAAC 'A', NBA]

#14 Ramohalli cross, Kumbalagodu, Mysore road, Bengaluru-560074

2018-19

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



An Internship Report

On

MILITARY RADARS

Submitted in the partial fulfilment for the award of degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

BALASUBRAMANIAN D

[USN: 1RR15EC009]

Under the Guidance of

P. BHUVANESWARI

Associate Professor,



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

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2018-19

RAJARAJESWARI COLLEGE OF ENGINEERING

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#14 Ramohalli cross, Kumbalagodu, Mysore road, Bengaluru-560074

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that Internship work entitled "**MILITARY RADARS**" is a bonafide work carried out by **BALASUBRAMANIAN D (1RR15EC009)** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi** during the academic year 2018-19, It is certified that corrections/suggestions indicated by internal assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of the Guide

P. Bhuvaneswari

Associate Professor

Signature of the HOD

Dr. L. Rangaiah

Professor and HOD

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING
BENGALURU - 560 074

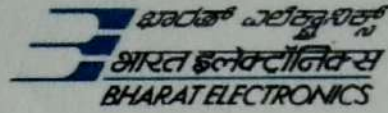
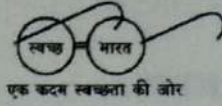
Signature of the Principal

Dr. R. Balakrishna

Principal

Dr. S. R. Arathi Ananthge
Dr. L. Rangaiah

15/6/19
L. Rangaiah



भारत इलेक्ट्रॉनिक्स लिमिटेड

(भारत सरकार का उद्यम, रक्षा मंत्रालय)
जालहल्ली पोस्ट, बेंगलूरु - 560 013, भारत

BHARAT ELECTRONICS LIMITED

(A Govt. of India Enterprise, Ministry of Defence)
Jalahalli Post, **BENGALURU - 560 013**, India

फोन / Phone :

फैक्स / Fax :

ईमेल / E-mail :

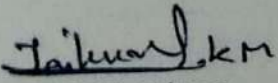
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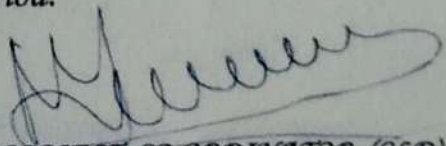
Date: 16-08-2018

CENTRE FOR LEARNING AND DEVELOPMENT CERTIFICATE

This is to certify that *Mr./Ms. BALASUBRAMANIAN D*, student of *RAJARAJESWARI COLLEGE OF ENGINEERING, BANGALORE*, has undergone Internship in BEL from 18-07-2018 to 16-08-2018 and has undergone Orientation in "MR" SBU

He / She was regular and punctual in his / her attendance and his/her conduct was satisfactory during the period.


PROJECT GUIDE
जयकमार के एम
JAIKUMAR. K M
ST. No. BC E 217888
PROB. OFFICER (HR) MR & MS


PROJECT CO-ORDINATOR (CLD)

NANJUNDA SWAMY
208723
Dy. MANAGER (HR/CLD)

पंजीकृत एवं कारपोरेट आफिस : नागावारा, आउटर रिंग रोड, बेंगलूरु - 560 045, भारत
Reg. & Corporate Office : Nagavara, Outer Ring Road, Bengaluru - 560 045, India

सी आई एन / CIN : L32309KA1954GOI000787

आई एस ओ / ISO 9001 and 14001 प्रमाणित कंपनी / Certified Company

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JnanaSangama, Belagavi – 590018



INTERNSHIP REPORT
ON

INTELLIGENT TRANSPORTATION SYSTEM
SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
THE AWARD OF DEGREE OF

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

BHUMIKA M

IRR15EC011

Under the guidance of

Ms. Abhilasha
Assistant Professor



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

BENGALURU-560074

2018-2019

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JnanaSangama, Belagavi – 590018



INTERNSHIP REPORT

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2018-2019

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#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the internship work entitled **"INTELLIGENT TRANSPORTATION SYSTEM"** is a bonafide work carried out by

Bhumika M(USN:1RR15EC011),in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year 2018- 19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Abhilasha C.P
Signature of the Guide

Ms.Abhilasha

L. Rangaiah
Signature of the HOD

Dr.L.Rangaiah

PROFESSOR & HEAD

DEPT. OF ELECTRONICS & COMMUNICATION ENG

RAJARAJESWARI COLLEGE OF ENGG.

BENGALURU - 560 074

R. Balakrishna
Signature of the Principal

Dr.R.Balakrishna

Examiner Name

1. *Dr. S. R. Ananthavargh*
2. *P. Bhaskerwar*

Signature

[Signature]
17/6/19

[Signature]
17/6/19.



ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BANGALORE METROPOLITAN TRANSPORT CORPORATION

HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTC: CO: HRD: 606/ 2018-19

Date: 22/09/2018

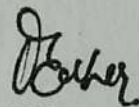


CERTIFICATE

This is to certify that Ms.Bhumika M (Reg. No.1RR15EC011) student of BE (EC), Rajarajeswari College of Engineering, Bengaluru has successfully completed the internship on the title "Intelligent Transportation System" during 14/07/2018 to 18/09/2018 at Bangalore Metropolitan Transport Corporation.

The Corporation wishes her a bright future.

Place: Bengaluru


Chief Personnel Manager (HRD)
B.M.T.C.

Head of the Department
Human Resource Development Department
Bengaluru Metropolitan Transport Corporation
Central Offices, Shanthinagar, Bengaluru-27.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Belagavi – 590018



Internship Report

on

"OPTIC FIBRE CABLES (OFC) AND FIBRE TO THE HOME(FTTH)"

submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

Nagadhar Sai Kanderi

[USN:1RR15EC056]

Under the Guidance Of

PUSHPA M J

Assistant Professor

Dept of ECE, RRCE, Bangalore.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Belagavi – 590018



Internship Report

on

"OPTIC FIBRE CABLES (OFC) AND FIBRE TO THE HOME(FTTH)"

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BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

Nagadhar Sai Kanderi

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Under the Guidance Of

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Assistant Professor

Dept of ECE, RRCE, Bangalore.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]
#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the evaluation of internship report titled "**OPTIC FIBRE CABLES (OFC) AND FIBRE TO THE HOME (FTTH)**" at **Jayanagar 4th block, Bangalore** is a bonafide work carried out by **Nagadhar Sai K (1RR15EC056)**, in partial fulfillment for the award of "**Bachelor of Engineering**" in **Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Signature of the Guide

Mrs. Pushpa MJ

Signature of the HOD

Dr. L. Rangaiah

Signature of the Principal

Dr. R. Balakrishna

DEPT. OF ELECTRONICS & COMMUNICATION ENG
RAJARAJESWARI COLLEGE OF ENGG.
BENGALURU - 560 074

- 1) Dr. S.R. Anitha Aravuthige
- 2) P. Bhaskarwari

17/6/19
12/6/19



BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

District Telecom Training Centre, Jayanagar Telephone Exchange Building, Bengaluru - 560011

Certificate No. **B6-15**

Certificate

This is to certify that

Mr. / Ms. **Nagadhar Sai Kanderi**

Student of BE(ECE)..... year, IV

of Rajarajeshwari College Of Engineering, Bangalore

has successfully completed the **INTERNSHIP TRAINING** in **OFC & FTTH**

For Four Weeks From **16-07-2018**



Veerayya
BATCH INCHARGE
District Telecom Training Centre
Bengaluru - 11

Bengaluru
Dated **10-08-2018**

N.B. Hacharaddi
PRINCIPAL
District Telecom Training Centre
Bengaluru - 11

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana sangama, Belagavi-590018



Internship Training Report

On

Weapon Development and Navigation Systems and Aircrafts

Submitted in partial fulfilment of the requirement for the award of degree of

Bachelor of Engineering

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

PRIYANKA B.U

[USN:1RR15EC073]

Under the Guidance of

DR. S.R. AARTHI AVANTHIGA

Associate Professor,

Dept of ECE, RRCE, Bangalore.



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING**

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbhlagodu, Bengaluru-560074

2018-2019

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana sangama, Belagavi-590018



Internship Training Report

On

Weapon Development and Navigation Systems and Aircrafts

Submitted in partial fulfilment of the requirement for the award of degree of

Bachelor of Engineering

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

PRIYANKA B.U

[USN: 1RR15EC073]

Under the Guidance of

DR. S.R. AARTHI AVANTHIGA

Associate Professor,

Dept of ECE, RRCE, Bangalore.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]
#14, Ramohalli Cross, Mysore Road, Kumblagodu, Bengaluru-560074
2018-2019

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]
#14, Ramohalli Cross, Mysore Road, Kumbलगodu, Bengaluru-560074

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certified that the evaluation of **"Internship training report"** is a bonafide work carried out by PRIYANKA B.U(USN:1RR15EC073), in partial fulfilment for the award **Bachelor of Engineering in Electronics and Communication Engineering** of the **Sri Sureshvaraya Technological University, Belagavi** during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in departmental library. The Internship Training report has been approved as it satisfies the academic requirements in respect of the Internship Training work prescribed for the said degree.

Signature of the Guide

S. R. Aarthi Avanthiga
Associate Professor

PROFESSOR & HEAD
DEPT. OF ELECTRONICS & COMMUNICATION ENG.
RAJARAJESWARI COLLEGE OF ENG.
BANGALURU - 560074

Signature of the HOD

Dr. L Rangaiah
Professor and HOD

Signature of the Principal
Dr. R. Balakrishna
Principal

Signature of the Examiner

Dr. S. R. Aarthi Avanthiga
Dr. Sumithamanoj

Signature of the Principal
Date: 27/6/19
Principal

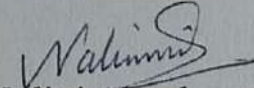
O/HR/IR-251/56 /2018

04-08-2018

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Priyanka B U, student of "Rajarajeswari College of Engineering, Bengaluru" has successfully completed her Internship in Overhaul Division, Hindustan Aeronautics Ltd, Bengaluru from 09/07/2018 to 04/08/2018.

2. Her conduct and progress during the above period was found to be **SATISFACTORY**.


(Nalini Abraham)
Officer (HR)



ನೆಲಿ ಅಬ್ರಹಾಮ್ / नलिनि अब्राहम / NALINI ABRAHAM
ಅಧಿಕಾರಿ (ಮಾ.ಸಂ)/अधिकारी (मा.सं)/Officer (HR)
ದುರಸ್ತಿ ವಿಭಾಗ/ओवरहॉल प्रभाग / Overhaul Division
ಎಚ್ ಎ ಎಲ್ (ಬೆಂ.ಸಂ)/एच ए एल (बें. सं) / HAL, Ltd













ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ





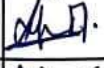



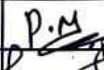



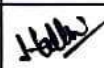


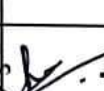
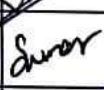

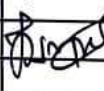
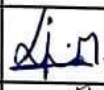
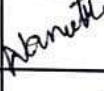

पंजीकृत कार्यालय : 15 /1, कबबन रोड, बेंगलूर - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

ಸಿ ಐ ಎನ್ / सी आई एन / CIN: U35301KA1963GOI001622 ಇ / E / ई: tarunarao@hal-india.com

Academic Year 2019-20

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20	IRR16EC018	BRINDA B R	APSIS SOLUTIONS		
21	IRR16EC033	IMPA C	APSIS SOLUTIONS		
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23	IRR16EC059	NISHA K	APSIS SOLUTIONS	Dr.Sumitha Manoj	
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25	IRR16EC011	ANUSHA S GOWDA	Appslucent software Pvt. Ltd		
26	IRR16EC019	CHAITRA S	Appslucent software Pvt. Ltd		
27	IRR16EC023	DHANUSHA P	Appslucent software Pvt. Ltd	DR. D.Sobya	
28	IRR16EC045	LIKITHA Y	Appslucent software Pvt. Ltd		
29	IRR16EC066	PAVITHRA T M	Appslucent software Pvt. Ltd		
30	IRR14EC055	MITTA JITTA MANASA	Appslucent software Pvt. Ltd	Prof Mallesha	
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34	IRR16EC061	NIVEDITHA S M	SHREEKRISH INNOVATIONS R&D LAB		
35	IRR16EC031	HARSHITHA.M.H	SHREEKRISH INNOVATIONS R&D LAB	Dr. S Aarthi Avanthiga	
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37	IRR16EC046	M S POORNIMA	LOGIN SOFTECH		
38	IRR16EC056	NAYANA T R	LOGIN SOFTECH		
39	IRR16EC032	HARSHITHA T	LOGIN SOFTECH	PROF.Sreepathi V	
40	IRR16EC038	KAVANA H K	LOGIN SOFTECH		
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42	IRR16EC020	CHANDAN H	LOGIN SOFTECH	Prof Aruna S	
43	IRR16EC027	GUNASHREE B R	LOGIN SOFTECH		
44	IRR16EC052	MEGHANA M	LOGIN SOFTECH		

45	IRR16EC030	HARSHITHA K V	DOORDARSHAN KENDRA	PROF.Lokesha K	
46	IRR16EC044	LAVANYA K C	DOORDARSHAN KENDRA		
47	IRR16EC051	MEGHANA A KALYANKAR	DOORDARSHAN KENDRA		
48	IRR16EC034	JITHENDRA V	T12 Technologies	PROF.Sunitha R	
49	IRR16EC035	KARTHIK M R	T12 Technologies		
50	IRR16EC048	MANJUNATH P	T12 Technologies		
51	IRR16EC062	PAVAN C	T12 Technologies	Prof S.Supriya Anigudgi	
52	IRR16EC063	PAVAN HK	T12 Technologies		
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54	IRR16EC040	KEERTHANA.S	HAL	Prof Ajay M	
55	IRR16EC049	MANOJKUMAR C	HAL		
56	IRR16EC041	KIRAN H B	BHEL	Prof Vani S B	
57	IRR16EC065	PAVANKUMAR P	BHEL	PROF. Santhosh G	
58	IRR16EC071	PRIYANKA B J	BHEL		
59	IRR16EC053	NAMRATA TRIPATHI	BHEL		
60	IRR16EC068	POOJA P S	Sai Teckronix	PROF.Haritha K S	
61	IRR16EC069	POOJA S H	Sai Teckronix		
62	IRR15EC098	BHAVYA R	TECHNOFLY SOLUTIONS	Prof Pushpa M J	
63	IRR16EC072	PRIYANKA M G	TECHNOFLY SOLUTIONS	Prof Deepika J	
64	IRR16EC079	SAIPRASAD PUJARI	TECHNOFLY SOLUTIONS		
65	IRR16EC080	SAMARTH AITHAL U	TECHNOFLY SOLUTIONS	Prof. M.LakhmiNarashima	
66	IRR16EC081	SANDEEP S	TECHNOFLY SOLUTIONS		
67	IRR16EC082	SANJAY B R	TECHNOFLY SOLUTIONS	PROF.LOKESHA K	
68	IRR16EC090	SHREYAS R KALKUR	TECHNOFLY SOLUTIONS		
69	IRR16EC099	SRI HARSHA A V	TECHNOFLY SOLUTIONS		
70	IRR16EC110	VIKAS R Y	TECHNOFLY SOLUTIONS		
71	IRR16TE010	EFFSEEBHA J	TECHNOFLY SOLUTIONS	PROF.Haritha K S	
72	IRR16TE022	RANI B P	TECHNOFLY SOLUTIONS		
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74	IRR16TE018	NAMRATHA R	BHEL		
75	IRR16TE025	SANDHYA K V	BHEL		
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77	IRR16EC073	RAHUL SURESH DODAWAD	HAL	PROF.Chaithnya S	
78	IRR16EC091	SHRUTI S NAYAK	HAL		
79	IRR16EC095	SOUNDARYA S	HAL		
80	IRR16EC106	USHARANI A	HAL	Prof Sumana B S	
81	IRR16EC109	VASUDHA K H	HAL		
82	IRR16EC074	RAKSHITHA N	BHEL	Prof .Santhosh Chavan	
83	IRR16EC092	SHWETHA G P	BHEL		
84	IRR16EC101	SRIVATSA VAASISTA R G	BHEL	Prof Deepika J	
85	IRR16EC408	MEGHASHREE C	BHEL		
86	IRR16TE030	THANUSHREE P	BHEL	Prof Namitha S	
87	IRR16TE013	LOHITH C	Kavika Tech	Prof Ajay M	
88	IRR16TE016	MAHIMA S	Kavika Tech		
89	IRR16EC100	SRIDHAR R	BHEL	Prof Namitha S	
90	IRR16EC115	ABHISHEK	BHEL		
91	IRR16EC075	RASHMITHA G S	BOSCH	Prof Vekata Reddy.S	
92	IRR16EC085	SHARMILA BAI B	BOSCH		
93	IRR16EC086	SHARMILA G	BOSCH		
94	IRR16EC094	SNEHA L	BOSCH		
95	IRR16EC102	SRUSHTI B R	BOSCH		
96	IRR16EC105	SWAROOP R	BOSCH		

97	IRR16EC077	SABA BANU	XCIENCIA TECHNOLOGIES	Dr Gangadhar Reddy	
98	IRR16EC078	SACHIN MD	LRDE	Prof Suresh M	
99	IRR16EC087	SHASHI KIRAN A S	LRDE		
100	IRR16EC097	SREE REDDY MANASA	LRDE		
101	IRR16EC104	SUMANTH V	LRDE		
102	IRR16EC113	YESHWANTH G R	LRDE	Prof Venkatesh R	
103	IRR16EC084	SHABNAM	LRDE		
105	IRR16TE012	KAINATH SULTANA	BSNL	Prof. Vijiya S.M	
106	IRR16EC093	SMITHA J	BSNL		
107	IRR16EC096	SOWMYA	BSNL	Prof M.Satha Sreenivas	
108	IRR16EC116	CHANDAN B S	BSNL		
109	IRR16EC416	PUNITH N	BESCOM	Santhosh G	
110	IRR16EC412	NEHITH N	BESCOM		
111	IRR16EC413	PRAKASH HEGDE	BESCOM	Prof Mallikarjuna Reddy	
112	IRR15EC075	TILAK	BESCOM		
113	IRR15EC091	Varun Kumar S L	XCIENCIA TECHNOLOGIES	Prof Darwin Britto	
114	IRR17EC400	AKSHATHA B	XCIENCIA TECHNOLOGIES		
115	IRR17EC401	ARCHANA R	XCIENCIA TECHNOLOGIES		
116	IRR16EC417	RADIKA S	TECHNOFLY SOLUTIONS		
117	IRR15EC088	TEJASWINI S	TECHNOFLY SOLUTIONS		
118	IRR17EC406	MANOJ KUMAR S K	TI2 Technologies	PROF PUSHPA M. J	
119	IRR16TE001	AISHWARYA R	LRDE		
120	IRR16TE003	ANUSHA S	LRDE	PROF JYOTHI A P	
121	IRR16TE002	AMOGHA K	BSNL		
122	IRR16TE007	CHANDANA PG	BSNL	PROF.MALLIKARJUNREDDY	
123	IRR16TE019	NAVYASHREE K	APSYS SOLUTIONS		
124	IRR16TE026	SINDHU S	APSYS SOLUTIONS		

INTERNSHIP COORDINATOR

HOD/ECE
PROFESSOR & HEAD
DEPT. OF ELECTRONICS & COMMUNICATION ENG
RAJARAJESWARI COLLEGE OF ENGG.
BENGALURU - 560 074

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



**An Internship Report on
"IoT (Internet of Things)"**

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

SHASHI KIRAN A S [USN: 1RR16EC087]

Under the guidance of

SURESH .M

Assistant professor,

Department of ECE, RRCE, Bangalore

Internship carried out at

TEQUED LABS

BMSCE, Near bull temple road, basvangudi, Bangalore-560019.



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING**

**[ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Accredited to
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#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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NBA & NAAC]

#14, Ramohalli cross, Kumbalagodu, Mysore road, Bengaluru-560074

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING




CERTIFICATE

This is to certify that Internship work entitled "**IoT**" is a bonafide work carried out by **SHASHI KIRAN A S** (USN: **1RR16EC087**) in partial fulfillment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering** of the **Visvesvaraya Technological University**, Belagavi during the academic year 2019-20. It is certified that corrections/suggestions indicated by internal assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.


Signature of the Guide

Prof. Suresh, M


Signature of the HOD

Dr. L. Rangaiah

External Viva



Signature of the Principal

Dr. R. Balakrishna
Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Examiner Name

1.

2.

Signature



TEQUED LABS

Invent - Innovate - Iterate

Research and Innovation Hub

No 10 Anjaneya Nagar Banashankari 3rd Stage Bangalore 85

CERTIFICATE OF INTERNSHIP

This is to certify that

SHASHI KIRAN A S

from

RAJARAJESHWARI COLLEGE OF ENGINEERING

has successfully completed one month of internship on

INTERNET OF THINGS

from 15th July to 15th August 2019 at Tequed Labs, Bangalore.



CEO
Tequed Labs



Director
Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI-590018



An Internship Report on
“STUDY OF DISTRIBUTED CONTROL SYSTEMS IN POWER PLANTS”

Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF ENGINEERING

IN
ELECTRONICS AND COMMUNICATION ENGINEERING
Submitted By

SHWETHA G P [1RR16EC092]

Under the guidance of
SANTHOSH CHAVAN
Assistant professor,
Department of ECE, RRCE

Internship carried out at
BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division, Mysore Road, Bangalore-560026



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING

[ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Accredited to NBA & NAAC]

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074

2019-2020

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI-590018



An Internship Report on
“STUDY OF DISTRIBUTED CONTROL SYSTEMS IN POWER PLANTS”

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION ENGINEERING
Submitted By

SHWETHA G P [1RR16EC092]

Under the guidance of
SANTHOSH CHAVAN
Assistant professor,
Department of ECE, RRCE

Internship carried out at
BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division, Mysore Road, Bangalore-560026



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING

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#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074

2019-2020

RAJARAJESWARI COLLEGE OF ENGINEERING

ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Accredited to NBA & NAAC] #14, Ramohalli cross, Kumbalagodu, Mysore road, Bengaluru-560074

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that In-plant training entitled **"STUDY OF DISTRIBUTED CONTROL SYSTEMS IN POWER PLANTS"** is a bona-fide work carried out by **SHWETHA G P [1RR16EC092]** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year 2019-20. It is certified that corrections/suggestions indicated by internal assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of the Guide

Prof. Santhosh Chavan

Signature of the HOD

Dr. L. Rangaiah

EXTERNAL VIVA

Name of the examiners

Signature of the Principal

Dr. R. Balakrishna
Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74
Signature with date



ಭಾರತ ಹವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್, ವಿದ್ಯುನ್ಮಾನ ವಿಭಾಗ, ಬೆಂಗಳೂರು-26

भारत हेवी इलेक्ट्रिकल्स लिमिटेड, इलेक्ट्रॉनिक्स डिवीज़न, बेंगलूर-26

Bharat Heavy Electricals Limited, Electronics Division, Bangalore -26

Phone:080-26998782 / 8910

080-26998526

E-mail : hrd-edn@bhel.in
padma@bhel.in

Certificate

This is to certify that

Ms. SHWETHA G.P.

Student of BE

[ELECTRONICS COMMUNICATION ENGINEERING]

**RAJARAJESHWARI COLLEGE OF ENGINEERING
KUMBALAGODU, MYSORE ROAD, BANGALORE - 560 074.**

were provided with facilities to do Internship Work at **BHEL, ELECTRONICS DIVISION,
BANGALORE** as per following details:

INTERNSHIP TITLED

**"STUDY OF DISTRUBUTED CONTROL SYSTEM
IN POWER PLANTS"**

Under the Guidance of

SHRI. SRINIVAS PAVAN KUMAR

SENIOR ENGINEER / CE - PRODUCTION SYSTEM TESTING.

Duration of Internship Work	04 Weeks	From	04.07.2019	To	01.08.2019
--	-----------------	-------------	-------------------	-----------	-------------------

This permission to do the Internship Work was accorded as per request from the institution where the student/s is/are studying, for partial fulfillment of the completion of the course.

The Student, who enviced keen interest in the training, has completed the Internship Work. The conduct of the Student was **EXCELLENT** during the above period.

Place : Bengaluru

Date : 01.08.2019

C S Padma
Signature of Issuing Authority
with seal

ಸಿ. ಎಸ್. ಪದ್ಮಾ, ಮ್ಯಾನೇಜರ್/ಮಾ.ಸಂ.ಆ.

ಶ್ರೀ. ಎಸ್. ಪದ್ಮಾ, ಪ್ರಾಧಿಕಾರಿ/ಮಾ.ಸಂ.ಆ.

C. S. PADMA, MANAGER/HRD

BHEL-EDN, MYSORE ROAD, BENGALURU-560026

Regd. Office : BHEL House, Siri Fort, New Delhi - 110 049. Website: www.bhel.com

Corporate and Regd. Office: BHEL House, Siri Fort, New Delhi 110 049

www.bhel.com, www.bheledn.com

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



**An Internship Report on
"IoT (Internet of Things)"**

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

SREE REDDY MANASA[USN: 1RR16EC097]

Under the guidance of

SURESH .M

Assistant professor,

Department of ECE, RRCE, Bangalore

Internship carried out at

TEQUED LABS

BMSCE, Near bull temple road, basvangudi, Bangalore-560019.



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING**

**[ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Accredited to
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



An Internship Report on

“IoT (Internet of Things)”

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Submitted By

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RAJARAJESWARI COLLEGE OF ENGINEERING**

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#14, Ramohalli cross, Kumbalagodu, Mysore road, Bengaluru-560074

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that Internship work entitled "**IoT**" is a bonafide work carried out by **SREE REDDY MANASA (USN: 1RR16EC097)** in partial fulfillment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year 2019-20. It is certified that corrections/suggestions indicated by internal assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of the Guide

Prof. Suresh, M

Signature of the HOD

Dr. L. Rangaiah

External Viva

Signature of the Principal

Dr. R. Balakrishna
Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Examiner Name

Signature

1.

2.



TEQUED LABS

Invent - Innovate - Iterate

Research and Innovation Hub

No 10 Anjaneya Nagar Banashankari 3rd Stage Bangalore 85

CERTIFICATE OF INTERNSHIP

This is to certify that
SREE REDDY MANASA

from

RAJARAJESHWARI COLLEGE OF ENGINEERING

has successfully completed one month of internship on

INTERNET OF THINGS

from 15th July to 15th August 2019 at Tequed Labs, Bangalore.


CEO

Tequed Labs

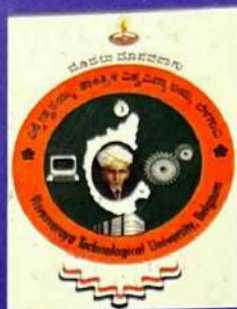


Director

Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI -590018



An Internship Report on

“STUDY OF DCS AUTOMATION IN POWER PLANT”

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

MEGASHREE C [USN: 1RR16EC408]

Under the guidance of

DEEPIKA J.

Assistant professor,

Department of ECE, RRCE, Bangalore

Internship carried out at

BHARAT HEAVY ELECTRICALS LTD

Mysore road, Bangalore-560026



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING**

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



An Internship Report on

“STUDY OF DCS AUTOMATION IN POWER PLANT”

Submitted in partial fulfillment of the requirement for the award of the degree of

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IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

MEGASHREE C [USN: 1RR16EC408]

Under the guidance of

DEEPIKA J.

Assistant professor,

Department of ECE, RRCE, Bangalore

Internship carried out at

BHARAT HEAVY ELECTRICALS LTD

Mysore road, Bangalore-560026



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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Signature of the Guide

Prof. Deepika J

Signature of the HOD

Dr. L. Rangaiah
PROFESSOR & HEAD
Dept. of Electronics & Communication Engg
RAJARAJESWARI COLLEGE OF ENGINEERING
BENGALURU - 560 074
External Viva

Signature of the Principal

Dr. R. Balakrishna

Examiner Name

1.

2.

Signature

Certificate

This is to certify that

Ms. MEGASHREE .C

Student of BE

[ELECTRONICS COMMUNICATION & ENGINEERING]

**RAJARAJESHWARI COLLEGE OF ENGINEERING
KUMBALGODU, MYSORE ROAD, BANGALORE-74.**

were provided with facilities to do Internship Work at **BHEL, ELECTRONICS DIVISION,
BANGALORE** as per following details:

INTERNSHIP TITLED

"STUDY OF DCS AUTOMATION IN POWER PLANT"

Under the Guidance of

Ms. DHANALAKSHMI K.B.

DGM / CE - ENGG / BOP.

Duration of Internship Work	04 Weeks	From	08.07.2019	To	05.08.2019
--------------------------------	----------	------	------------	----	------------

This permission to do the Internship Work was accorded as per request from the institution where the student/s is/are studying, for partial fulfillment of the completion of the course.

The Student, who enviced keen interest in the training, has completed the Internship Work. The conduct of the Student was **EXCELLENT** during the above period.

Place : Bengaluru

Date : 05.08.2019

Signature of Issuing Authority

ಸಿ. ಎಸ್. ಪದ್ಮಾ, ಮ್ಯಾನೇಜರ್/ಮಾ.ಸಂ.ಅ.
with seal

सी. एस. पद्मा, प्रबंधक/मा.सं.वि.

C.S. PADMA, MANAGER/HRD

BHEL-EDN, MYSORE ROAD, BENGALURU-560026

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



An Internship Report on

LINE REPLACEMENT UNIT (LRU)

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

VASUDHA K H [USN: 1RR16EC109]

Under the guidance of

CHAITHANYA.S

Assistant professor,

Department of ECE, RRCE, Bangalore

Internship carried out at

HINDUSTAN AERONAUTICS LIMITED

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING



**[ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi,
Accredited to NBA & NAAC]**

#14, Ramohalli cross, Kumbalagodu, Mysore road, Bengaluru-560074

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



An Internship Report on

LINE REPLACEMENT UNIT (LRU)

Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

VASUDHA.K.H [USN: 1RR16EC109]

Under the guidance of

CHAITHANYA.S

Assistant professor,

Department of ECE, RRCE, Bangalore

Internship carried out at

HINDUSTAN AERONAUTICS LIMITED

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING



**[ISO Certified 9000:2008, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi,
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#14, Ramohalli cross, Kumbalagodu, Mysore road, Bengaluru-560074

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



CERTIFICATE

This is to certify that Internship work entitled "**LINE REPLACEMENT UNIT**" is a bonafide work carried out by **VASUDHA.K.H** (USN: **1RR16EC109**) in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University**, Belagavi during the academic year 2019-20. It is certified that corrections/suggestions indicated by internal assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

S. Chaitanya
11/9/19

Signature of the Guide

Chaitanya. S

Dr. L. Rangaiah

Signature of the HOD

Dr. L. Rangaiah
PROFESSOR & HEAD
Dept. of Electronics & Communication Eng
RAJARAJESWARI COLLEGE OF ENGG
BENGALURU - 560 074

Dr. R. Balakrishna

Signature of the Principal

Dr. R. Balakrishna

ಹಲಿಕಾಪ್ಪರ್-ಎಂಆರ್‌ಎ ವಿಭಾಗ
ಹೆಲಿಕಾಪ್ಟರ್ ಎಂ ಆರ್ ಆ ಪ್ರಭಾಗ
ಹಲಿಕಾಪ್ಪರ್ ಸಂಕೀರ್ಣ / ಹೆಲಿಕಾಪ್ಟರ್ ಕಾಂಪ್ಲೆಕ್ಸ್
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಪೋಸ್ಟ್ ಬಾಕ್ಸ್ ಸಂ. 1796, ವಿಮಾನಪುರಾ ಪೋಸ್ಟ್
ಬೆಂಗಳೂರು - 560017, ಭಾರತ.
Fax (ಫೇಕ್ಸ್) : 91-80-22314354



HELICOPTER - MRO DIVISION
HELICOPTER COMPLEX
HINDUSTAN AERONAUTICS LIMITED
POST BOX-NO. 1796, VIMANAPURA POST
BENGALURU - 560 017, INDIA.
Ph.(ಫೋನ್) 91-80-22323231

ಹಿಂದಿ ಬಡೆಗಿ ತಬಿ ಜಬ್ ಚಾಹೆಂಗೆ ಸಬಿ

MRO-H/M (HR)/073/19

August 07, 2019

CERTIFICATE

This is to certify that Ms. Vasudha K H, USN No. 1RR16EC109, a student of Rajarajeswari College of Engineering, Bangalore, has undergone the "Industrial Training" in HAL, Helicopter MRO Division from 09.07.2019 to 07.08.2019.

During this period her performance was good.

We wish her a bright future.

for HAL, Helicopter MRO Division


21814
(A. FRANCIS JUSTIN)
MANAGER (HR)

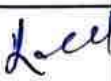
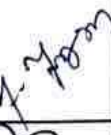











ನೋಂದಾಯಿತ ಕಛೇರಿ: 15/1, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು - 560 001, ಭಾರತ

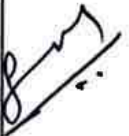
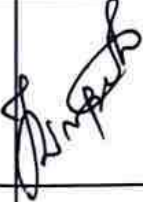

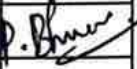





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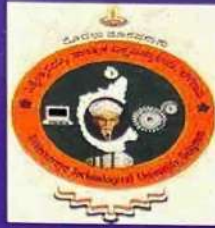
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PROFESSOR & HEAD
 DEPT. OF ELECTRONICS & COMMUNICATION ENG
 RAJARAJESWARI COLLEGE OF ENGINEERING

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



An Internship Report on

“IOT Using Python”

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

VINUTHA J [USN: IRR17EC148]

Under the guidance of

Prof. PUSHPA M J

Associate Professor,

Department of ECE, RRCE, Bangalore

Internship carried out at

X-CIENCIA Technologies PVT.LTD

Vijayanagar, Bangalore-560006.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

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#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that Internship work entitled "**IOT Using Python**" is a bonafide work carried out by **VINUTHA J (USN: IRR17EC148)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University**, Belagavi during the academic year 2020-21. It is certified that corrections/suggestions indicated by internal assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of the Guide

Prof. Pushpa M J

Signature of the HOD

Dr. L. Rangaiah

Signature of the Principal

Dr. T. Chandrasekar

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA

Name of the Examiners

1.

2.

Signature with Date



XCIENCIA

X-Ciencia Technologies India Pvt. Ltd.

Place: Bangalore

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Miss. Vinutha J (1RR17EC148)** pursuing Bachelors of Engineering from Rajarajeswari College of Engineering has undertaken an internship from our organization "**X-Ciencia Technologies India PVT. LTD**". She has worked on a Real Time project on "IOT Using Python" from Aug 10th 2020 to Sept 10th 2020, under the guidance of Mr. Mushabbar.

Her work and submission on the above said project, completely meets the requirements of the initial goal set for her and adheres to policies of our organization. We wish her success in all her future endeavours.

From,

X-Ciencia Technologies India PVT.LTD

For X-Ciencia Technologies India Pvt.Ltd.

Signature of Director.

Director

X-Ciencia Technologies India Pvt Ltd.

Regd Office : #3/1 , Robertson Road Cross, Frazer Town ,Bangalore – 560006. INDIA

Tel : +91 – 9591745792, Website : www.xciencia.com

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI - 590018



An Internship Report On

WEB DEVELOPMENT AND DESIGN

*Submitted in partial fulfillment of the requirement for the
Internship (17EC84) course of the 8 semester*

Bachelor of Engineering

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

RAKSHITHA N [USN: 1RR17EC103]

Under the guidance of

Prof. SUNITHA R

Asst.Prof

Dept of ECE, RRCE, Bengaluru

Internship Carried out at

TECH FORTUNE TECHNOLOGIES

Vijayanagar, Bengaluru - 560040



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2020-2021

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI – 590018



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Dept of ECE, RRCET, Bengaluru

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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2020-2021

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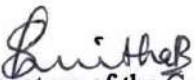
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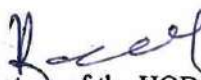
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING




CERTIFICATE

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Signature of the Guide
(Prof. Sunitha R)


Signature of the HOD
(Dr. L. Rangaiah)


Signature of the Principal
(Dr. T Chandrashekar)
Principal

External Viva

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74
Signature

Examiner Name

- 1.
- 2.

Ref - TFI/INT/2020/266

1st September 2020

TO WHOM IT MAY CONCERN

This is to certify that Ms. Rakshitha N (1RR17EC103) a student of RRCE Bangalore has successfully completed her Internship in Our Organization "Tech Fortune Technologies" from 15th July 2020 to 1st September 2020.

She was working on the Web development using word press. The time she joined she was very fast to pick up the technical details of the products. She is really hardworking and capable.

We wish her all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signature


CEO- Tech Fortune

TECH FORTUNE TECHNOLOGIES

#15 22ND MAIN SUBBANNA GARDEN, VIJAYANAGAR, BANGALORE - 560040

Ph: +91 9591 68 7143/8317 35 5535 - www.tech-fortune.com | email: info@tech-fortune.com

VISVESVARAVA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018



An Internship Report on

OPERATIONS AT BESCOM

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

VAISHNAVI S [USN: IRR17EC138]

Under the guidance of

Dr. A. MURUGANANDHAM

Professor,

Department of ECE, RRCE, Bangalore

Internship carried out at

BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Rajajinagar Division, Bangalore-560010.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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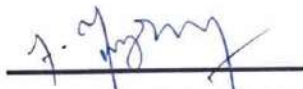
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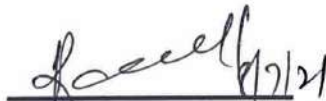


CERTIFICATE


This is to certify that Internship work entitled "**OPERATIONS AT BESCOM**" is a bonafide work carried out by **VAISHNAVI S (USN: IRR17EC138)** in partial fulfillment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering** of the **Visvesvaraya Technological University**, Belagavi during the academic year 2020-21. It is certified that corrections/suggestions indicated by internal assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.


Signature of the Guide

Dr. A. Muruganandham


Signature of the HOD

Dr. L. Rangaiah


Signature of the Principal

Dr. T. Chandrashekar
Principal

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COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

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2. _____

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Certified that Mr/Ms VAISHNAVI S from
VISVESVARAYA TECHNOLOGICAL UNIVERSITY bearing USN 1RR17EC138 has
completed the PROJECT at BESCOM from 29/03/2021 to
28/04/2021 on OPERATIONS AT BESCOM

Sri. Anil Kumar D'Souza
Deputy General Manager (Ele)
Technology Innovation Centre,
CORPORATE OFFICE, BESCOM

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI- 590018**



An Internship Report on

MACHINE LEARNING USING PYTHON

Submitted in partial fulfillment of the requirement for the award of degree of

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by

ROOPA M [USN: 1RR17EC109]

Under the guidance of

**Haritha K S
Assistant professor,
Department of ECE, RRCE, Bangalore**

Internship carried out at

X-Ciencia Technologies

Maruthimandir, Vijayanagar, Bangalore-560040.



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING**

**[Accredited by NBA & NAAC, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]
#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74**

2020-2021

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANASANGAMA, BELAGAVI- 590018



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CERTIFICATE

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Signature of the Guide
Prof. Haritha.K.S


Signature of the HOD
Dr. L. Rangaiah


Signature of the Principal
Dr.T.Chandrashekar
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

INTERNSHIP COMPLETION CERTIFICATE



X-Ciencia Technologies India Pvt. Ltd.

This is to certify that **Miss. Roopa M [USN: 1RR17EC109]** pursuing Bachelors of Engineering from RajaRajeswari College of Engineering has undertaken an internship from our organization "**X-Ciencia Technologies India PVT. LTD**".

She has worked on a Real Time project on "Machine learning Using Python" from Aug 27th 2020 to Sept 27th 2020, under the guidance of Mr. Mohammed Yasin.

Her work and submission on the above said project, completely meets the requirements of the initial goal set for her and adheres to policies of our organization. We wish her success in all her future endeavors.

From,

X-Ciencia Technologies India PVT.LTD

For X-Ciencia Technologies India Pvt.Ltd.

Signature of Director.

Director

X-Ciencia Technologies India Pvt Ltd.

Regd Office: #3/1, Robertson Road Cross, Frazer Town, Bangalore – 560006. INDIA

Tel: +91 – 9591745792, Website: www.xciencia.com

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI - 590018



Internship Report on

“OPTICAL FIBER TRANSMISSION SYSTEM”

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

DARSHAN M [USN: 1RR17EC033]

Under the guidance of

Prof. SREEPATHI V

Associate professor,

Dept. of ECE, RRCE, Bangalore.

Internship carried out in Association with

UNIVERSITY OF ABERDEEN

Scotland, United Kingdom.



DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING

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2020-2021

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI - 590018



Internship Report on

“OPTICAL FIBER TRANSMISSION SYSTEM”

**Submitted in partial fulfillment of the requirement for the award of the degree of
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2020-2021

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#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

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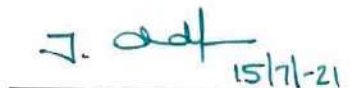
This is to certified that Internship work entitled **"OPTICAL FIBER TRANSMISSION"** is a bonafide work carried out by **DARSHAN M (USN: IRR17EC033)** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2020-2021. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in the respect of Internship work prescribed for the said degree.



Signature of the Guide
Prof. Sreepathi V



Signature of the HOD
Dr. L. Rangaiah
PROFESSOR & HEAD
Dept. of Electronics & Communication Eng
RAJARAJESWARI COLLEGE OF ENGG
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 15/7/21

Signature of the Principal
Dr. T. Chandrashekar
Principal
RAJARAJESWARI
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Ramohalli Cross, Bengaluru-74

CERTIFICATE



INDIAN
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TECHNOLOGY

CERTIFICATE OF INTERNSHIP



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Darshan M

1RR17EC033

IN APPRECIATION FOR COMPLETING THE VIRTUAL INTERNSHIP AT



University of Aberdeen
King's College, Aberdeen AB24 3FX, United Kingdom

The Virtual Internship Program 2021 was conducted between 25-Feb-2021 to 02-Mar-2021

25-Mar-2021

DATE















PROGRAM HEAD (NERT)
















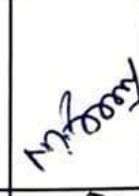






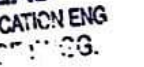


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INTERNSHIP COORDINATOR

HOD/ECE
PROFESSOR & HEAD
 DEPT. OF ELECTRONICS & COMMUNICATION ENG
 RAJARAJESWARI COLLEGE OF ENG.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



An Internship Report

“Prediction of Spam Mail Using Machine Learning”

Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

VARUN N (1RR18EC123)

Under the guidance of

Prof. Santhosh G

Dept of ECE, RRCE, Bengaluru

Internship carried out at

TECHNOLOGICS GLOBAL Pvt Ltd.

Raghavendra Complex, 10th Main Road, 4th Block, Jayanagar, Bengaluru -560041



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#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2021-2022

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Jnana Sangama, Belagavi – 590018



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#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the intenship work entitled “**Prediction Of Spam Mail Using Lachine Learning**” is a bonafide work carried out by **VARUN N (1RR18EC123)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2021-2022. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.


Signature of the Guide

Prof. Santhosh G


Signature of the HOD

Dr. L. Rangaiah



Signature of the Principal

Dr. T. Chandrashekar

Principal
RAJARAJESWARI
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An Internship Report

**“SATELLITE IMAGE ANALYSIS USING
MACHINE LEARNING”**

Submitted in partial fulfilment of the requirement for the award of degree of

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted By

MEGHANA K (1RR17EC071)

Under the guidance of

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Dept of ECE, RRCE, Bangalore

Internship carried out at

X-CIENCIA TECHNOLOGIES INDIA PVT. LTD

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Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2021-2022

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



An Internship Report

“SATELLITE IMAGE ANALYSIS USING MACHINE LEARNING”

Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

MEGHANA K (1RR17EC071)

Under the guidance of

Prof. CHAITHANYA S

Dept of ECE, RRCE, Bangalore

Internship carried out at

X-CIENCIA TECHNOLOGIES INDIA PVT. LTD

#3/1,Robertson Road Cross, Frazer Town, Bengaluru, Karnataka 560006



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING

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Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to be certified that the project work entitled "SATELLITE IMAGE ANALYSIS USING MACHINE LEARNING" is a bonafide work carried out by **MEGHANA K (IRR17EC071)** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2021-2022. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed

Signature of the Guide

Prof. Chaithanya S

Signature of the HOD

Dr. L. Rangaiah

Signature of the Principal

Dr. T. Chandrashekar
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

INTERNSHIP COMPLETION CERTIFICATE



X-CIENCIA TECHNOLOGIES INDIA PVT. LTD

Regd Office: #3/1, Robertson Road Cross, Frazer Town, Bangalore 560006.

INDIA Branch Office: Muslim hostel Complex, Davangere-577002

Tel: +91 - 9591745792, Website: www.xciencia.com



Ref No: XCIENCIA/TECH-DEPT/INTER/2021/1101

Date: SEP 30 2021

TO WHOM IT MAY CONCERN

This is to certify that **Ms/Mr. MEGHANA K (1RR17EC071)** pursuing Bachelors of Engineering from Rajarajeswari College of Engineering has undertaken an internship from our organization "**X-Ciencia Technologies India PVT. LTD**". He/She has worked on a Real Time project on "Machine Learning Using Python" from Sept 1st 2021 to Sept 30th 2021, under the guidance of Mr.Yasin.His/Her work and submission on the above said project, completely meets the requirements of the initial goal set for him/her and adheres to policies of our organization.

We wish him/her success in all her/his future endeavors

For **X - Ciencia Technologies India Pvt. Ltd.**



अखिल भारतीय तकनीकी शिक्षा परिषद

All India Council for Technical

X - Ciencia Technologies India Pvt. Ltd.

CIN: U74999KA2017PTC103810 CORPORATE: 612e1a114192e1630411281
Website: www.xciencia.com , Tel: +91 - 9591745792, Email : hr@xciencia.com

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



An Internship Report

**“CRYPTOCURRENCY ANALYSIS USING MACHINE
LEARNING AND PYTHON”**

Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

PAVAN R(1RR18EC064)

Under the guidance of

Prof. LOKEHSA . K

Dept of ECE, RRCE, Bangalore

Internship carried out at

MINDSET IT SOLUTIONS AND CONSULTANTS

2/E, 2nd Floor, 14th Main Road, Opp To Metro Station,

Vijaynagar, Bengaluru-560040



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING

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2021-2022

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Belagavi – 590018



An Internship Report
“CRYPTOCURRENCY ANALYSIS USING MACHINE
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2021-2022

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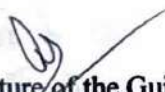
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Signature of the Guide

Prof. Lokesha.k


Signature of the HOD

Dr. L. Rangaiah


Signature of the Principal

Dr. T. Chandrashekar
Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

CERTIFICATE OF COMPLETION

This is to certify that **Mr. PAVAN R** bearing registration number **IRR18EC064**, a student of **ELECTRONICS & COMMUNICATION ENGINEERING**, from **RAJA RAJESHWARI COLLEGE OF ENGINEERING, BANGALORE** has successfully completed his internship on **"MACHINE LEARNING & PYTHON"** in our company. The duration of his internship was from **16th SEPTEMBER 2021** to **16th OCTOBER 2021**.

During this tenure, he has shown keen interest in learning. He was also enthusiastic and proactive in understanding the concepts.

For **MINDSET IT SOLUTION,**


HARISH S
PROJECT MANAGER



MINDSET IT SOLUTIONS & CONSULTANTS

#2/E, 2nd Floor, 14th Main Road, Vijayanagar, Bangalore - 40, Opp. Vijayanagar Metro
Station Next To Police station, Mob: +91 9844628808, +91 7676851841, www.mindsetit.in

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



An Internship Report

“IOT BASED SMART HEALTH CARE KIT”

Submitted in partial fulfilment of the requirement for the award of degree of

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted By

MEGHARAJ C D (1RR17EC072)

Under the guidance of

Prof. M.SUPRAJA

Dept of ECE, RRCE, Bangalore

Internship carried out at

X-CIENCIA TECHNOLOGY

2nd main, 4th cross, Vijaynagar, Near Hosahalli Metro Station

Bengaluru, Karnataka 560006



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2021-2022

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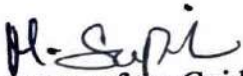
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Signature of the Guide

Prof. M. Supraja


Signature of the HOD

Dr. L. Rangaiah


Signature of the Principal

Dr. T. Chandrashekar
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We wish him/her success in all her/his future endeavors

For **X - Ciencia Technologies India Pvt. Ltd.**



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ISO 9001 : 2015

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Belagavi – 590018



An Internship Report

**“WASHING MACHINE SIMULATION USING EMBEDDED
SYSTEMS”**

Submitted in partial fulfillment of the requirement for the award of degree of

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION ENGINEERING**

**Submitted By
VARSHA D (1RR18EC121)**

**Under the guidance of
Prof. Deepika J
Dept of ECE, RRCE, Bangalore**

Internship carried out at

EMERTXE

**No. 83, 1st Floor, Farah Towers, Mahatma Gandhi Rd,
Bengaluru, Karnataka 560001**



**DEPT. ELECTRONICS & COMMUNICATION ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING**

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2021-2022

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Belagavi – 590018



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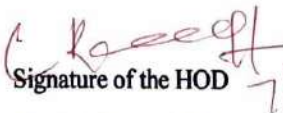
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Signature of the Guide
Prof. Deepika. J


Signature of the HOD
Dr. L. Rangaiah


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Signature of the Principal
Ramohalli Cross, Bengaluru-74
Dr. T.Chandrashekar

INTERNSHIP COMPLETION CERTIFICATE



CERTIFICATE OF INTERNSHIP

PRESENTED TO

Varsha D

For Successfully Completing Online Internship on

EMBEDDED SYSTEMS

This Internship Provided Hands-On Exposure on

- Foundational Programming Skills in C & Micro-Controllers
- SDLC Based Project Building in Embedded Systems

Internship Start Date : 1st Sep 2021 Internship End Date : 27th Oct 2021

Technology Head, Emertxe
(Mubeen Jukaku)

CERTIFICATE ID

EI21_002

Director, Emertxe
(Jayakumar Balasubramanian)

www.emertxe.com