

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
FINAL YEAR PROJECT BATCHES AND GUIDES FOR THE ACADEMIC YEAR 2022-23

Sl.No	BATCH	USN	NAME OF THE CANDIDATE	TITLE OF THE PROJECT	NAME OF THE GUIDE
1	B1	1MV19ET001	ADARSH KUMAR	A Smart Wheelchair for Aged People with Health-Monitoring System	Faiz Mohammad Karobari
2		1MV19ET022	KUMAR SHIVAM		
3		1MV19ET035	RISHU RAJ SINGH		
4		1MV19ET041	SUMIT RAJ		
5	B2	1MV19ET002	AJAY RAJU S	IoT based Battery Powered Agribot using ESP-32	Dr. Dinokumar Kongkham
6		1MV19ET009	CHARAN S		
7		1MV19ET032	RAGHAVENDRA T		
8		1MV19ET033	RAHUL N		
9	B3	1MV19ET004	ASHA G	Examining Structural Reponse of a Bridge using Multisensor.	Sree Lakshmi T
10		1MV19ET006	BHUMIKA G P		
11		1MV19ET007	BHUVANA R		
12		1MV19ET031	PARTH ANSHUL		
13	B4	1MV19ET005	ASHWIN HIMANSHU	IoT based Continuous Abiotic Factors Monitoring and Statistical Analysis	Savita A Harkude
14		1MV19ET043	UTKARSH GUPTA		
15		1MV19ET044	VARUN SACHAN		
16		1MV19ET045	V V SIVA REDDY		
17	B5	1MV19ET010	CHETNA ANAND	A Novel Approach in Implementation of Smart Door Lock using Face Detection	Dr. E. Kavitha
18		1MV19ET013	DIKSHA BHARTIA		
19		1MV19ET016	ISHA SHRIVASTAVA		
20		1MV19ET029	OLIVIA KUMAR		
21	B6	1MV19ET011	DEEPA N S	Smart Low-Cost Ventilator	Sandhya B S
22		1MV19ET015	GANAVI S		
23		1MV19ET024	M A MASHITHA		
24		1MV19ET036	RUCHITHA M		
25	B7	1MV19ET012	DHATHRIYA S	Computer Vision and IoT Enabled BOT for Surveillance and Monitoring of Large Farms and Crop Fields	Anju K Peter
26		1MV19ET019	K JAHNAVI DEVI		
27		1MV19ET034	RAKSHITHA N		
28		1MV19ET047	YAKSHITHA J		
29	B8	1MV19ET014	DIVYA TA	Parkinson's Disease-Stability Spoon and Health Monitoring	Savita A Harkude
30		1MV18TE016	HARSHITHA M		
31		1MV19ET037	SALUYA DHANA		
32		1MV19ET039	SHRIVIDYA PS		
33	B9	1MV19ET017	JAYANTH K S	Heart Stroke Prediction using ESP8266 and ML using Python	Sree Lakshmi T
34		1MV19ET021	KOKILA S		
35		1MV19ET023	LIKITH PRASAD G A		
36		1MV19ET048	YUVARAJU M		
37	B10	1MV19ET018	K HARSHITHA	Solar Powered Hybrid Electric Vehicle	Dr. E. Kavitha
38		1MV19ET025	MADHUSHREE S K		
39		1MV19ET030	P KALYAN KUMAR REDDY		
40		1MV19ET046	VIVEK KUMAR SINGH		
41	B11	1MV19ET020	KARUN SHARMA	Automated Driving System	Dr. E. Kavitha
42		1MV19ET026	MAHANTH B SOODA		
43		1MV19ET028	MOHAMMED HASSAAN M.		
44		1MV19ET042	TARUN A		
45	B12	1MV19ET008	CHANDRIKA H A	Crop yield prediction using Machine Learning	Dr. Dinokumar Kongkham
46		1MV19ET027	MANVITH K C		
47		1MV20ET400	VAISHALINI		
48	B13	1MV19ET003	ANJAN KUMAR R	Child Rescue System from Borewell using Robotic Arm	Faiz Mohammad Karobari
49		1MV19ET038	SHARIQUE USTAD		
50		1MV19ET040	SUDEEP J		

Head of Department

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018



A Project Report On

**“COMPUTER VISION AND IOT ENABLED BOT FOR
SURVEILLANCE AND MONITORING OF LARGE FARMS
AND CROP FIELDS”**

(18TEP83)

Submitted in partial fulfilment of 8th semester of
BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted By:

DHATHRIYA S	(1MV19ET012)
K JAHNAVI DEVI	(1MV19ET019)
RAKSHITHA N	(1MV19ET034)
YAKSHITHA J	(1MV19ET047)

Under the Guidance of

Ms. ANJU K. PETER

Assistant Professor, Department of Electronics and Telecommunication Engineering



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Year 2022-2023

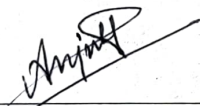
SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

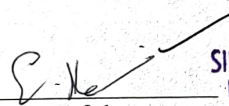
Department of Electronics and Telecommunication Engineering

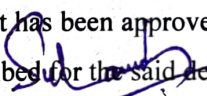


CERTIFICATE

Certified that the Project work entitled '**Computer Vision And IOT Enabled BOT For Surveillance And Monitoring Of Large Farms And Crop Fields**' carried out by Ms. **Dhathriya S (1MV19ET012), K Jahnvi Devi (1MV19ET019), Rakshitha N (1MV19ET034), Yakshitha J (1MV19ET047)**, a bonafide students of **Sir. M Visvesvaraya Institute of Technology, Bengaluru** in partial fulfillment for the award of the degree of Bachelor of Engineering in **Electronics and Telecommunication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2022 – 2023. It is certified that all corrections/suggestions indicated for the 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
Ms. Anju K. Peter
Asst. Prof., Dept. of ETE,
Sir. MVIT, Bengaluru.

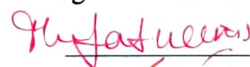


signature of the
Head of the Department
Dr. E. Kavitha
Prof. & Head, Dept of ETE,
Sir. MVIT, Bengaluru.


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157
signature of the
principal
Prof. Rakesh S. G.
Principal
Sir. MVIT, Bengaluru.

Name of the Examiners

1. Dr. THEJASWINI S
2. Faiz Mohammad Karobari

Signature with date

 24/5/23
 24/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI - 590018



PROJECT REPORT (18TES82)

ON

“PARKINSON’S DISEASE-STABILITY SPOON AND HEALTH MONITORING”

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by

HARSHITHA M

1MV18TE016

DIVYA T A

1MV19ET014

SALUVA DHANADHEEPHI

1MV19ET037

SHRIVIDYA P S

1MV19ET039

Under the guidance of

Mrs. SAVITA A. HARKUDE

Associate Professor

Department of ETE, Sir MVIT



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Bengaluru -562157

2022-2023

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Hunasamaranahalli -562157

(Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka)



CERTIFICATE

Certified that the project (18TES82) on “PARKINSON’S DISEASE-STABILITY SPOON AND HEALTH MONITORING” prepared by HARSHITHA M (1MV18TE016), DIVYA T A (1MV19ET0014), SALUVA DHANA DHEEPHI (1MV19ET037), SHRIVIDYA P S (1MV19ET039), a bonafide student of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY. The report partially fulfills the requirements for the award of the degree of “Bachelor of Engineering” in Electronics and Telecommunication Engineering. From the Visvesvaraya Technological University, Belagavi, Karnataka, India, during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Seminar report has been approved as it satisfies the academic requirement with respect to the work prescribed for the said Degree.

Signature of the Guide
Mrs. Savita A. Harkude
Associate Professor
Department of ETE

Signature of HOD
Dr. E. Kavitha
Professor & Head
Department of ETE

PRINCIPAL
Signature of Principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157
Prof. Rakesh S. G.
Principal
Sir MVIT, Bengaluru

Name of the Examiners

Signature with Date

1. Dr. Banayprakash

2. Faiz Mohammad
Kaobani

25-05-23

25/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI - 590018



PROJECT REPORT (18TES82)
ON

**“HEART STROKE PREDICTION USING ESP8266 AND ML USING
PYTHON”**

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

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by

JAYANTH K S	1MV19ET017
KOKILA S	1MV19ET021
LIKITH PRASAD G A	1MV19ET023
YUVARAJU M	1MV19ET048

Under the guidance of
Mrs. SREELAKSHMI T

Assistant Professor
Department of ETE



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Bengaluru -562157

2022-2023

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

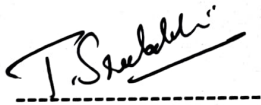
Hunasamaranahalli -562157

(Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka)

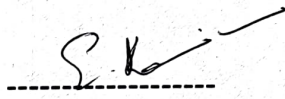


CERTIFICATE

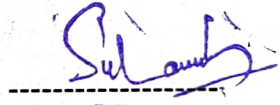
Certified that the project (18TES82) on “HEART STROKE PREDICTION USING ESP8266 AND ML USING PYTHON” prepared by JAYANTH KS (1MV19ET017), KOKILA S(1MV19ET021), LIKITH PRASAD G A(1MV19ET023), YUVARAJU M(1MV19ET048), a bonafide student of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY. The report partially fulfills the requirements for the award of the degree of “Bachelor of Engineering” in Electronics and Telecommunication Engineering. From the Visvesvaraya Technological University, Belagavi, Karnataka, India, during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Seminar report has been approved as it satisfies the academic requirement with respect to the work prescribed for the said Degree.



Signature of the Guide
Mrs. Sreelakshmi T
Assistant Professor
Department of ETE



Signature of HOD
Dr. E. Kavitha
Professor & Head
Department of ETE

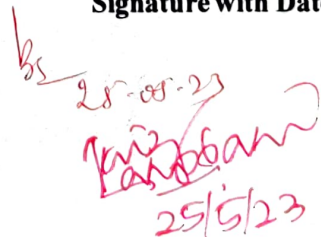


PRINCIPAL
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Krishna Narayana Rd, Hunasamaranahalli
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Prof. Rakesh S.G.
Principal
Sir MVIT, Bengaluru

Name of the Examiners

1. Dr. Banayyarakshie
2. Faiz Mohammad
Kasobani

Signature with Date


28-08-23
25/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgavi - 590018



**PROJECT REPORT (18TEP83)
ON**

“SOLAR POWERED HYBRID ELECTRIC VEHICLE”

Submitted in partial fulfillment of the requirements for the award of the Degree

**BACHELOR OF ENGINEERING
In
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

Submitted by

K HARSHITHA

USN: 1MV19ET018

MADHUSHREE S K

USN: 1MV19ET025

P KALYAN KUMAR REDDY

USN: 1MV19ET030

VIVEK KUMAR SINGH

USN: 1MV19ET046

Under the Guidance of

**Dr. E Kavitha
Professor & HOD
Dept. of ETE**



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**

Bengaluru -562157

2022-2023

**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157**

Department of Electronics and Telecommunication Engineering



CERTIFICATE

This is to certify that the Project work Phase-2 (18TEP83) entitled “**SOLAR POWERED HYBRID ELECTRIC VEHICLE**” is a bonafide work carried out by **K HARSHITHA (1MV19ET018), MADHUSHREE S K (1MV19ET025), P KALYAN KUMAR REDDY (1MV19ET030), VIVEK KUMAR SINGH (1MV19ET046)** of Sir M. Visvesvaraya Institute of Technology, in partial fulfillment for the award of degree of Bachelor of Engineering in **Electronics and Telecommunication Engineering** of the Visvesvaraya Technological University, Belgavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to department library. The project phase-2 report has been approved as it satisfies the academic requirements in respect of project work prescribed for Bachelor of Engineering degree.

Dr. E. KAVITHA
Professor & Head
Dept. of ETE

Dr. E. KAVITHA
Professor & Head
Dept. of ETE

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hunasamaranahalli
International Airport Road, Bengaluru - 562157

Prof. RAKESH SG
Principal
Sir MVIT

Name of the Examiners

1. Dr. THRESA SINGU

2. FATIZ MOHAMMAD
KAROBARI

Signature with Date

24/05/23

24/05/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA,
BELAGAVI – 590 018



A PHASE-2 PROJECT REPORT
ON

“Automated Driving System”

Submitted in partial fulfillment of the requirements of the degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
For the academic year
2022 – 2023
By

KARUN SHARMA (1MV19ET020)
MAHANTH B. SOODA (1MV19ET026)
MOHAMMED HASSAAN MANNA (1MV19ET028)
TARUN A (1MV19ET042)

Under the Guidance of

Dr. E. Kavitha
Prof. & Head, Dept. of ETE



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)
Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electronics and Telecommunication Engineering

CERTIFICATE



Certified that the Project work entitled “Automated Driving System” carried out by Mr. KARUN SHARMA (1MV19ET020), Mr. MAHANTH B. SOODA (1MV19ET026), Mr. MOHAMMED HASSAAN MANNA (1MV19ET028), Mr. TARUN A (1MV19ET042), a bonafide students of Sir. M Visvesvaraya Institute of Technology, Bengaluru in partial fulfillment for the award of the degree of Bachelor of Engineering in **Electronics and Telecommunication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2022 – 2023. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Project Phase – II report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the Guide

Dr. E. Kavitha
Prof. & Head, Dept of ETE,
Sir. MVIT, Bengaluru.

Signature of the Head of the Department

Dr. E. Kavitha
Prof. & Head, Dept of ETE,
Sir. MVIT, Bengaluru.

PRINCIPAL
Signature of the Principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsur, Bengaluru - 562157
International Airport Road, Bangalore-562157

Prof. Rakesh S. G.
Principal,
Sir. MVIT, Bengaluru.

Name of the Examiners

1. DR. THEJASWINI
- 2.

FAIZ MOHAMMAD KAROBARI

Signature with date

24/5/23

24/05/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
“JNANA SANGAMA”, BELAGAVI-590018



PROJECT WORK PHASE-2 REPORT (18TEP83)

ON

“CROP YIELD PREDICTION USING MACHINE LEARNING”

Submitted in partial fulfilment of the requirements of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2022-2023

Submitted by

CHANDRIKA H A

1MV19ET008

MANVITH K C

1MV19ET027

VAISHALINI S

1MV20ET400

Under the guidance of

Dr. DINOKUMAR KONGKHAM

Assistant Professor, Dept. of ETE, Sir MVIT

Bengaluru-562157



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

Bengaluru-562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

Bengaluru -562157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “CROP YIELD PREDICTION USING MACHINE LEARNING” is a bonafide work carried out by CHANDRIKA H A (1MV19ET008), MANVITH K C (1MV19ET027), VAISHALINI S (1MV20ET400) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the award of the Degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.

Dinokumar Kongkham
22.5.23

Signature of the Guide

Dr. Dinokumar Kongkham

Assistant Professor

Dept of ETE

E. Kavitha

Signature of HOD

Dr. E. Kavitha

Professor and Head

Dept of ETE

Rakesh S.G.

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bengaluru - 562 157

Prof. Rakesh S.G.

Principal

Sir MVIT, Bengaluru

EXTERNAL VIVA

Name of the Examiners

1. *P.Y. Thejaswini S*
2. *Faiz Mohammad Kasobani*

Signature with Date

Thejaswini S 24/5/23
Faiz Mohammad Kasobani 24/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI-590018



PROJECT WORK PHASE-2 REPORT (18TEP83)

ON

"CHILD RESCUE SYSTEM FROM BORE WELL USING ROBOTIC ARM"

Submitted in partial fulfilment of the requirements of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2022-2023

Submitted by

ANJAN KUMAR R

1MV19ET003

SHARIQUE M USTAD

1MV19ET038

SUDEEP J

1MV19ET040

Under the guidance of

Mr. FAIZ MOHAMMAD KAROBARI

Assistant Professor, Dept. of ETE, Sir MVIT

Bengaluru-562157



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

Bengaluru-562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

Bengaluru -562157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “**CHILD RESCUE SYSTEM FROM BOREWELL USING ROBOTIC ARM**” is a bonafide work carried out by **ANJAN KUMAR R (1MV19ET003), SHARIQUE M USTAD (1MV19ET038), SUDEEP J (1MV19ET040)**, bonafide students of **Sir M. Visvesvaraya Institute of Technology** in partial fulfilment for the award of the Degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the **Visvesvaraya Technological University, Belagavi** during the year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-II prescribed for the said Degree.

Signature of the Guide

Mr. Faiz Mohammad Karobari

Assistant Professor

Dept of ETE

Signature of HOD

Dr. E. Kavitha

Professor and Head

Dept of ETE

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsarayanahalli
International Airport Road, Bengaluru-562 157

Prof. Rakesh S.G.

Principal

Sir MVIT, Bengaluru

EXTERNAL VIVA

Name of the Examiners

- 1.
- 2.

Signature with Date

.....

.....

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI - 590018



PROJECT REPORT (18TES82)

ON

“A Smart Wheelchair for Aged People with Health-Monitoring System”

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by

ADARSH KUMAR 1MV19ET001

KUMAR SHIVAM 1MV19ET022

RISHU RAJ SINGH 1MV19ET035

SUMIT RAJ 1MV19ET041

Under the guidance of

Mr. Faiz Mohammad Karobari

Assistant Professor
Department of ETE



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Bengaluru -562157

2022-2023

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Hunasamaranahalli -562157

(Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka)



CERTIFICATE

Certified that the project (18TES82) on “A SMART WHEELCHAIR FOR AGED PEOPLE WITH HEALTH-MONITORING SYSTEM” prepared by ADARSH KUMAR (1MV19ET001), KUMAR SHIVAM (1MV19ET022), RISHU RAJ SINGH (1MV19ET035), SUMIT RAJ (1MV19ET041), a bonafide student of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY. The report partially fulfills the requirements for the award of the degree of “Bachelor of Engineering” in Electronics and Telecommunication Engineering. From the Visvesvaraya Technological University, Belagavi, Karnataka, India, during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Seminar report has been approved as it satisfies the academic requirement with respect to the work prescribed for the said Degree.

Signature of Guide

Signature of HOD

Signature of Principal

Signature of the Guide

Mr. Faiz Mohammad Karobari

Assistant Professor

Department of ETE

Signature of HOD

Dr. E. Kavitha

Professor & Head

Department of ETE

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY,
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157

Signature of Principal

Prof. Rakesh S.G.

Principal

Sir MVIT, Bengaluru

Name of the Examiners

1. Dr. Thijas Lin

2. Faiz Mohammad Karobari

Signature with Date

Signature of Examiners
29/5/23

Signature of Examiners
21/05/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
“JNANA SANGAMA”, BELAGAVI-590018



PROJECT WORK PHASE-2 REPORT (18TEP83)

ON

“IOT BASED BATTERY POWERED AGRIBOT USING ESP-32”

Submitted in partial fulfilment of the requirements of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2022-2023

Submitted by

AJAY RAJU S

1MV19ET002

CHARAN S

1MV19ET009

RAGHAVENDRA T

1MV19ET032

RAHUL N

1MV19ET033

Under the guidance of

Dr. DINOKUMAR KONGKHAM

Assistant Professor, Dept. of ETE, Sir MVIT

Bengaluru-562157



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

Bengaluru-562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)
Bengaluru -562157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "IOT BASED BATTERY POWERED AGRIBOT USING ESP-32" is a bonafide work carried out by **AJAY RAJU S (1MV19ET002), CHARAN S (1MV19ET009), RAGHAVENDRA T(1MV19ET032), RAHUL N (1MV19ET033)** bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the award of the Degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-II prescribed for the said Degree.

Dr. D. Kongkham
22.5.23

Signature of the Guide

Dr. Dinokumar Kongkham

Assistant Professor

Dept of ETE

E. Kavitha

Signature of HOD

Dr. E. Kavitha

Professor and Head

Dept of ETE

S. G. Rakesh

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsur
International Airport Road, Bangalore-562 157

Signature of Principal

Prof. Rakesh S.G.

Principal

Sir MVIT, Bengaluru

EXTERNAL VIVA

Name of the Examiners

1. *Dr. Banjorakali R*
2. *Fazl Muhammad Kasabani*

Signature with Date

S. G. Rakesh
25.05.23
Fazl Muhammad Kasabani
25/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI - 590018



PROJECT REPORT (18TES82)

on

**“EXAMINING STRUCTURAL RESPONSE OF A BRIDGE USING
MULTISENSORS”**

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

**BACHELOR OF ENGINEERING
IN**

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by

ASHA G	1MV19ET004
BHUMIKA GP	1MV19ET006
BHUVANA R	1MV19ET007
PARTH ANSHUL	1MV19ET031

Under the guidance of

Mrs.SREELAKSHMI T

Assistant Professor
Department of ETE , Sir MVIT



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Bengaluru -562157

2022-2023

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

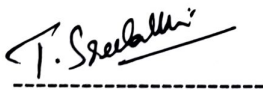
Hunasamaranahalli -562157

(Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka)

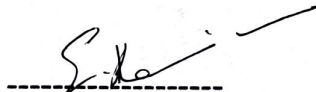


CERTIFICATE

Certified that the project (18TES82) on “EXAMINING THE STRUCTURAL RESPONSE OF BRIDGE USING MULTI SENSORS” prepared by ASHA G (1MV19ET004), BHUMIKA GP (1MV19ET006), BHUVANA R (1MV19ET007), PARTH ANSHUL (1MV19ET031), a bonafide student of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY. The report partially fulfills the requirements for the award of the degree of “Bachelor of Engineering” in **Electronics and Telecommunication Engineering**. From the Visvesvaraya Technological University, Belagavi, Karnataka, India, during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Seminar report has been approved as it satisfies the academic requirement with respect to the work prescribed for the said Degree.



Signature of the Guide
Mrs. Sreelakshmi T
Assistant Professor
Department of ETE



Signature of HOD
Dr. E. Kavitha
Professor & Head
Department of ETE

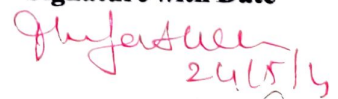
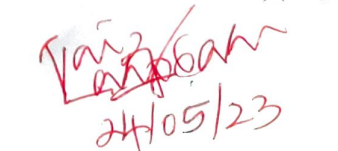


---PRINCIPAL---
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krisnadevaraya, Hunasamaranahalli
International Airport, Bangalore-562157
Signature of Principal
Prof. Rakesh S.G.
Principal
Sir MVIT, Bengaluru

Name of the Examiners

1. Dr. Thejaswini
2. Faiz Mohammad Karabani

Signature with Date


24/05/23

24/05/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI - 590018



PROJECT REPORT (18TEP83)

ON

**“IoT BASED CONTINUOUS ABIOTIC FACTORS MONITORING AND
STATISTICAL ANALYSIS”**

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2022-2023

Submitted by

ASHWIN HIMANSHU

1MV19ET005

UTKARSH GUPTA

1MV19ET043

VARUN SACHAN

1MV19ET044

VENNA VENKATA SIVA REDDY

1MV19ET045

Under the guidance of

Mrs. Savita A. Harkude

Associate Professor

Department of ETE



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Bengaluru -562157

2022-2023

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA,
BELAGAVI – 590 018**



**A PROJECT REPORT
ON**

**“A NOVEL APPROACH IN IMPLEMENTATION OF SMART DOOR LOCK
USING FACE DETECTION”**

Submitted in partial fulfillment of the requirements of the degree of

**BACHELOR OF ENGINEERING
in
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
For the academic year
2022 – 2023**

By

**CHETNA ANAND (1MV19ET010)
DIKSHA BHARTIA (1MV19ET013)
ISHA SHRIVASTAVA (1MV19ET016)
OLIVIA KUMAR (1MV19ET029)**

Under the Guidance of

Dr. E. Kavitha
Prof. & Head, Dept. of ETE



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)
Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157**

Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

CERTIFICATE



Certified that the Project work entitled “A NOVEL APPROACH IN IMPLEMENTATION OF SMART DOOR LOCK USING FACE DETECTION” carried out by Ms. CHETNA ANAND (1MV19ET010), Ms. DIKSHA BHARTIA (1MV19ET013), Ms. ISHA SHRIVASTAVA (1MV19ET016), Ms. OLIVIA KUMAR (1MV19ET029), are bonafide students of Sir. M Visvesvaraya Institute of Technology, Bengaluru in partial fulfillment for the award of the degree of Bachelor of Engineering in **Electronics and Telecommunication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2022 – 2023. It is certified that all corrections/suggestions indicated for the 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
Head of Department
Department of Electronics and
Telecommunication
Sir MVIT, Bangalore - 562 157

Dr. E. Kavitha
Prof. & Head, Dept of ETE,
Sir. MVIT, Bengaluru.

Signature of the
Head of Department
Department of Electronics and
Telecommunication
Sir MVIT, Bangalore - 562 157

Dr. E. Kavitha
Prof. & Head, Dept of ETE,
Sir. MVIT, Bengaluru.

Signature of the
Principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157

Prof. Rakesh S. G.
Principal,
Sir. MVIT, Bengaluru.

Name of the Examiners

1. Dr. Thejaswini
2. Faiz Mohammad
Kasebani

Signature with date

Thejaswini 24/5/23
Faiz Mohammad
Kasebani 24/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi - 590 018



PROJECT (18ECP78) REPORT ON

“SMART LOW-COST VENTILATOR”

Submitted in partial fulfillment of the requirements for the award of the Degree

BACHELOR OF ENGINEERING In ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by

DEEPAN S

USN: 1MV19ET011

GANAVI S

USN: 1MV19ET015

M A MASHITHA

USN: 1MV19ET024

RUCHITHA M

USN: 1MV19ET036

Under the Guidance of

Mrs Sandhya B S
Assistant Professor
Dept. of ETE



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Bengaluru -562157

2022-2023

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157
Department of Electronics and Telecommunication Engineering



CERTIFICATE

This is to certify that the Project work Phase-1 (18ECP78) entitled “SMART LOW-COST VENTILATOR” is a bonafide work carried out by DEEPA N S (1MV19ET011), GANAVI S (1MV19ET015), M A MASHITHA(1MV19ET024), RUCHITHA M (1MV19ET036) of Sir M. Visvesvaraya Institute of Technology,B, in partial fulfillment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to department library. The project phase-1 report has been approved as it satisfies the academic requirements in respect of project work prescribed for Bachelor of Engineering degree.

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krisbnagar, Mysore
International Airport Road, Bangalore-562 157
Prof. RAKESH SG
Principal
Sir M V I T

Mrs. SANDHYA B S
Assistant Professor
Dept. of ETE

Dr. E. KAVITHA
Professor & Head
Dept. of ETE

Head of Department
Department of Electronics and
Telecommunication
Sir MVIT, Bangalore - 562 157

Name of the Examiners

1. DR. THEJASWINI
2. FAIZU MOHAMMAD
KAROBART

Signature with Date

24/5/23

24/05/23

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

INTERNSHIP DETAILS OF VII SEMESTER B.E. OF THE ACADEMIC YEAR 2022 - 23

SL. NO.	USN	NAME OF THE STUDENT	FROM	TO	DURATION (Days)	ORGANIZATION DETAILS	TITLE OF THE INTERNSHIP
1	1MV19ET001	ADARSH KUMAR	17/05/22	17/06/22	31	Sorcerer Technologies Inda Pvt. Ltd., Bengaluru - 560 066.	Tech Team (React JS Developer Intern)
2	1MV19ET002	AJAY RAJU S	23/08/22	27/09/22	35	Varcons Technologies Pvt. Ltd., Bengaluru - 560 001.	Embedded Systems
3	1MV19ET003	ANJAN KUMAR R	23/08/22	10/09/22	18	Aero Engine Research & Design Centre, Hindustan Aeronautics Ltd. (HAL), Bengaluru - 560 093.	In-Plant Training
4	1MV19ET004	ASHA G	07/09/22	06/10/22	29	Centre of Learning and Development, Bharat Electronics Ltd, Bengaluru - 560 013.	Overview and Components
5	1MV19ET005	ASHWIN HIMANSHU	22/08/22	22/09/22	31	Aqmenz Automation Pvt. Ltd., Bengaluru - 560 032.	Artificial Intelligence & Machine Learning
6	1MV19ET006	BHUMIKA G P	07/09/22	06/10/22	29	Centre of Learning and Development, Bharat Electronics Ltd, Bengaluru - 560 013.	Overview and Components
7	1MV19ET007	BHUVANA R	29/08/22	28/09/22	30	Division of Product Development & Innovation Centre, Bharat Electronics Limited, Bengaluru - 560 013.	Automation Solutions

SL. NO.	USN	NAME OF THE STUDENT	FROM	TO	DURATION (Days)	ORGANIZATION DETAILS	TITLE OF THE INTERNSHIP
8	1MV19ET008	CHANDRIKA H A	22/08/22	22/09/22	31	Aqmenz Automation Pvt. Ltd., Bengaluru - 560 032.	Artificial Intelligence and Machine Learning
9	1MV19ET009	CHARAN S	23/08/22	27/09/22	35	Sain Informatix Pvt. Ltd., Bengaluru - 560 010	Full Stack Web Development
10	1MV19ET010	CHEETNA ANAND	20/08/22	20/09/22	31	Compssoft Technologies, Bengaluru - 560 010	Full Stack Development
11	1MV19ET011	DEEPA N S	24/08/22	23/09/22	30	Centre of Learning and Development, Bharat Electronics Ltd, Bengaluru - 560 013.	Overview of Naval System [Sonar and Communication System]
12	1MV19ET012	DHATHRIYA S	20/08/22	20/09/22	31	Pie Infocomm Pvt. Ltd.	Internet of Things
13	1MV19ET013	DIKSHA BHARTIA	20/08/22	20/09/22	31	Varcons Technologies Pvt. Ltd., Bengaluru - 560 001.	Java Development
14	1MV19ET014	DIVYA TA	23/08/22	27/09/22	35	Compssoft Technologies, Bengaluru - 560 010	Machine Learning with Python (Research Based)
15	1MV19ET015	GANAVI S	25/08/22	29/09/22	35	Varcons Technologies Pvt. Ltd., Bengaluru - 560 001.	Full Stack Development

SL. NO.	USN	NAME OF THE STUDENT	FROM	TO	DURATION (Days)	ORGANIZATION DETAILS	TITLE OF THE INTERNSHIP
16	1MV19ET016	ISHA SHRIVASTAVA	01/09/22	30/10/22	59	Bitloka Solutions Pvt. Ltd., Bengaluru 560 070.	AI Driven HTML Beautifier
17	1MV19ET017	JAYANTH K S	23/08/22	27/09/22	35	IC Solutions, Bengaluru - 560 078.	Full Stack Web Development
18	1MV19ET018	K HARSHITHA	24/08/22	23/09/22	30	Centre of Learning and Development, Bharat Electronics Ltd, Bengaluru - 560 013.	Overview and Components
19	1MV19ET019	K JAHNAVI DEVI	20/08/22	20/09/22	31	Pie Infocomm Pvt. Ltd.	Internet of Things
20	1MV19ET020	KARUN SHARMA	26/08/22	04/09/22	9	Federal-Mogul Goetze (India) Ltd., A Tenneco Group Company, Bengaluru - 560 064	In-Plant Training
21	1MV19ET021	KOKILA S	23/08/22	27/09/22	35	Compssoft Technologies, Bengaluru - 560 010	Machine Learning with Python (Research Based)
22	1MV19ET022	KUMAR SHIVAM	25/08/22	29/09/22	35	Varcons Technologies Pvt. Ltd., Bengaluru - 560 001.	Full Stack Development
23	1MV19ET023	LKITH PRASAD G A	23/08/22	27/09/22	35	IC Solutions, Bengaluru - 560 078.	Full Stack Web Development

SL. NO.	USN	NAME OF THE STUDENT	FROM	TO	DURATION (Days)	ORGANIZATION DETAILS	TITLE OF THE INTERNSHIP
24	1MV19ET024	M A MASHITHA	25/08/22	29/09/22	35	Pragmatic Embd Solutions, Bengaluru - Bengaluru - 560 040.	Artificial Intelligence and Machine Learning using Python
25	1MV19ET025	MADHUSHREE S K	24/08/22	23/09/22	30	Centre of Learning and Development, Bharat Electronics Ltd, Bengaluru - 560 013.	Overview of Naval System [Sonar and Communication System]
26	1MV19ET026	MAHANATH B SOODA	20/08/22	20/09/22	31	Take It Smart (OPC) Pvt. Ltd., Bengaluru - 560 040.	Full Stack Development
27	1MV19ET027	MANVITH K C	23/08/22	27/09/22	35	IC Solutions, Bengaluru - 560 078.	Full Stack Web Development
28	1MV19ET028	MOHAMMED HASSAAN MANNA	20/08/22	19/09/22	30	Externs Club, Bengaluru - 560 102.	Amazon Web Services (AWS)
29	1MV19ET029	OLIVIA KUMAR	20/08/22	20/09/22	31	Compssoft Technologies, Bengaluru - 560 010	Machine Learning with Python
30	1MV19ET030	P KALYAN KUMAR REDDY	22/08/22	10/09/22	19	Aero Engine Research & Design Centre, Hindustan Aeronautics Ltd. (HAL), Bengaluru - 560 093.	In-Plant Training
31	1MV19ET031	PARTH ANSHUL	07/09/22	06/10/22	29	Centre of Learning and Development, Bharat Electronics Ltd, Bengaluru - 560 013.	Overview and Components

SL. NO.	USN	NAME OF THE STUDENT	FROM	TO	DURATION (Days)	ORGANIZATION DETAILS	TITLE OF THE INTERNSHIP
32	1MV19ET032	RAGHAVENDRA T	22/08/22	10/09/22	19	Aero Engine Research & Design Centre, Hindustan Aeronautics Ltd. (HAL), Bengaluru - 560 093.	In-Plant Training
33	1MV19ET033	RAHUL N	22/08/22	10/09/22	19	Aero Engine Research & Design Centre, Hindustan Aeronautics Ltd. (HAL), Bengaluru - 560 093.	In-Plant Training
34	1MV19ET034	RAKSHITHA N	23/08/22	27/09/22	35	IC Solutions, Bengaluru - 560 078.	Machine Learning with Python
35	1MV19ET035	RISHU RAJ SINGH	26/09/22	31/10/22	35	Varcons Technologies Pvt. Ltd., Bengaluru - 560 001.	Full Stack Web Development
36	1MV19ET036	RUCHITHA M	24/08/22	23/09/22	30	Centre of Learning and Development, Bharat Electronics Ltd, Bengaluru - 560 013.	Overview of Naval System [Sonar and Communication System]
37	1MV19ET037	SALUVA DHANA DHEEPHI	23/08/22	27/09/22	35	Compssoft Technologies, Bengaluru - 560 010	Machine Learning with Python (Research Based)
38	1MV19ET038	SHARIQUE USTAD	06/10/22	04/11/22	29	Emerald Telecom (U) Ltd., Kampala, Uganda.	Fundamental of Wireless Telecom
39	1MV19ET039	SHRIVIDYA PS	22/08/22	22/09/22	31	Aqmenz Automation Pvt. Ltd., Bengaluru - 560 032.	Artificial Intelligence & Machine Learning

SL. NO.	USN	NAME OF THE STUDENT	FROM	TO	DURATION (Days)	ORGANIZATION DETAILS	TITLE OF THE INTERNSHIP
40	1MV19ET040	SUDEEP J	20/08/22	20/09/22	31	Take It Smart (OPC) Pvt. Ltd., Bengaluru - 560 040.	Full Stack Web Development
41	1MV19ET041	SUMIT RAJ	25/08/22	29/09/22	35	Varcons Technologies Pvt. Ltd., Bengaluru - 560 001.	Full Stack Development
42	1MV19ET042	TARUN A	24/08/22	30/09/22	37	Quanumics.AI Pvt. Ltd., Bengaluru - 560 016	GTM Wing
43	1MV19ET043	UTKARSH GUPTA	22/08/22	22/09/22	31	Aqmenz Automation Pvt. Ltd., Bengaluru - 560 032.	Artificial Intelligence & Machine Learning
44	1MV19ET044	VARUN SACHAN	22/08/22	22/09/22	31	Aqmenz Automation Pvt. Ltd., Bengaluru - 560 032.	Artificial Intelligence & Machine Learning
45	1MV19ET045	VENNA VENKATA SIVA REDDY	22/08/22	22/09/22	31	Aqmenz Automation Pvt. Ltd., Bengaluru - 560 032.	Artificial Intelligence & Machine Learning
46	1MV19ET046	VIVEK KUMAR SINGH	22/08/22	22/09/22	31	Aqmenz Automation Pvt. Ltd., Bengaluru - 560 032.	Artificial Intelligence and Machine Learning
47	1MV19ET047	YAKSHITHA J	23/08/22	27/09/22	35	IC Solutions, Bengaluru - 560 078.	Machine Learning with Python

SL. NO.	USN	NAME OF THE STUDENT	FROM	TO	DURATION (Days)	ORGANIZATION DETAILS	TITLE OF THE INTERNSHIP
48	1MV19ET048	YUVARAJU M	23/08/22	27/09/22	35	IC Solutions, Bengaluru - 560 078.	Full Stack Web Development
49	1MV18TE016	HARSHITHA M	22/08/22	22/09/22	31	Aqmenz Automation Pvt. Ltd., Bengaluru - 560 032.	Artificial Intelligence and Machine Learning
50	1MV20ET400	VAISHALINI	23/08/22	27/09/22	35	Compssoft Technologies, Bengaluru - 560 010	Machine Learning with Python (Research Based)



Signature of Head of the Department
 Department of Electronics and Telecomm. Engg.
Head of Department
 Department of Electronics and
 Telecommunication
 Sir MVIT, Bangalore - 562 157

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61 Bridge Street, Kington,
United Kingdom - HR5 3DJ

INDIA CORPORATE OFFICE

Block II, 1st Floor, Mascot 90, No.80 EPIP,
Whitefield, Bengaluru, Karnataka - 560066

**LETTER NUMBER:** CERT/AL2022W8044**DATE:** 08 AUGUST 2022**TO:** MR. ADARSH KUMAR

INTERNSHIP CERTIFICATE

REACT JS DEVELOPER INTERN

This is to acknowledge and certify that Adarsh Kumar
student of M. Visvesvaraya Institute of Technology has successfully
completed an Internship in Tech Team with India division of admybrand.com

He was involved with us on part time basis from
17th May 2022 to 17th June 2022

His performance during internship is Satisfactory
We wish him great success for his future endeavors.



Sudhanshu Goyal
Chief Executive Office

For any queries or document verification, get in touch at career@admybrand.com

SORCERER TECHNOLOGIES INDIA PRIVATE LIMITED

CIN: U74999MP2017PTC044659

Email: career@admybrand.com || Web: www.admybrand.com



Varcons Technologies Pvt Ltd

Communicate. Collaborate. Create

CERTIFICATE OF INTERNSHIP

This is to certify that **Ajay Raju S** whose USN is **1MV19ET002**, has completed their **Embedded Systems** Internship organised and handled by **Varcons Technoloigies Pvt Ltd** from **23rd August, 2022** to **27th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Smart Parking System**, As part of the project, they worked with Advanced Microcontrollers and Sensor Interfaces. They interacted with these interfaces using embedded programming languages. The entire project was documented and necessary reports were submitted.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, [CLICK HERE](#)



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18 M G Road, Ulsoor, Bangalore-560001

VARCONS TECHNOLOGIES PVT LTD

www.varconstech.com

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ಏರೋ ಇಂಜಿನ್ ಸಂಶೋಧನೆ ಮತ್ತು ವಿನ್ಯಾಸ ಕೇಂದ್ರ
ಏರೋ ಇಂಜಿನ್ ಅನುಸಂಧಾನ ಉಂ ಅಭಿವಲಯ ಕೇಂದ್ರ
ವಿನ್ಯಾಸ ಸಂಕೀರ್ಣ / ಅಭಿವಲಯ ಕಾಂಪ್ಲೆಕ್ಸ್
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಪೋಸ್ಟ್ ಬ್ಯಾಗ್ ನಂಬರ್ 9310, ಬೆಂಗಲೂರು-560 093, ಭಾರತ
ಪೋಸ್ಟ್ ಬೆಗ್ ನಂಬರ್ 9310, ಬೆಂಗಲೂರು - 560 093, ಭಾರತ
ಫಾಕ್ಸ್/ಫೇಕ್ಸ್ (Fax) : 91-80-22311143



AERO ENGINE RESEARCH & DESIGN CENTRE
DESIGN COMPLEX
HINDUSTAN AERONAUTICS LIMITED
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ಫೋನ್/ಫೋನ್ ನಂಬರ್ (Ph.) : 91-80-22326480, 22326661

AERDC/HR/D-40/0293/2022

September 10th, 2022

CERTIFICATE

This is to certify that **Mr. ANJAN KUMAR R (1MV19ET003)** student of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE, KARNATAKA** has successfully completed his In-Plant Training in **AERDC, Hindustan Aeronautics Limited (Design Complex)**, during the period from **23.08.2022 to 10.09.2022** on No-Pay No-Fee Basis.


(SARALA DEVI M)
MANAGER (HR)

Note: Request for verification of the above Certificate received from any external Agencies / Organization other than the concerned educational Institution will not be entertained.

ಪಂಜೀಕೃತ ಕಾರ್ಯಾಲಯ : 15/1, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಲೂರು - 560 001, ಭಾರತ

ಪಂಜೀಕೃತ ಕಾರ್ಯಾಲಯ : 15/1, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಲೂರು - 560 001, ಭಾರತ

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

CIN : L35301KA1963GOI001622 E (ई) : hr.aerdc@hal-india.com



CENTRE FOR LEARNING AND DEVELOPMENT

BHARAT ELECTRONICS LIMITED
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Jalahalli Post, Bengaluru - 560 013, India

Certificate

This is to certify that

Sri./Smt/Kum . . . ASHA. G

Ref No. 1410/CLD/HR/2022-23/27/270

student of SIR. M. VISVESVARAYA INSTITUTE

OF TECHNOLOGY, BANGALORE

carried out Project Work/Internship on OVERVIEW

OF COMPONENTS

in COMPONENTS

SBU/CSG of BEL, Bengaluru from 07th SEP 2022

to 06th OCT 2022

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

Project / Internship Guide  CHITRA JOHN

Date : 06/10/22

Place : Bengaluru

810771, ಪ.ಉ.ಪ.ಸ. / Sr. DGM
ಪಾ.ಸ. (ಕಂಪೋಸಿಂಗ್ & ಇಂಪ್ರಿಮ್)
HR (Comps & EM) / BEL
Jalahalli Post, Bengaluru-560013.

Head (HR/CLD) 

SUJATHA FRANCIS
ಪ್ರಬಂಧಕ (ಹಿ.ಸಿ / ಸಿ.ಇ.ಎಲ್.ಡಿ)
MANAGER (HR/CLD)



**Aqmenz Automation
Private Limited**

CIN: U74999KA2018PTC117612



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENT TO

Ashwin Himanshu

1MV19ET005

Has successfully completed Internship on **"Artificial Intelligence & Machine Learning"**
at **Aqmenz Automation Pvt. Ltd.** for a period of one month from 22.08.2022 to 22.09.2022.

CERTIFICATE ISSUE NO: IN / 9664 / FY2022

Mr Mohammed Azhar Hussain
Chief Technology Officer (CTO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



www.indoskill.in



Mr Mohan V S
Chief Executive Officer (CEO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



CENTRE FOR LEARNING AND DEVELOPMENT

BHARAT ELECTRONICS LIMITED
(A Govt. of India Enterprise, Ministry of Defence)
Jalahalli Post, Bengaluru - 560 013, India

Certificate

This is to certify that

Sri./Smt/Kum. BHUMIKA R. P

Ref No. 1410/CLD/HR/2022-23/27/271

student of SIA. M. VISVESVARAYA INSTITUTE
OF TECHNOLOGY, BANGALORE

carried out Project Work/Internship on OVERVIEW
OF COMPONENTS

in COMPONENTS

SBU/CSG of BEL, Bengaluru from 07th SEP 2022
to 06th OCT 2022.

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

Project / Internship Guide

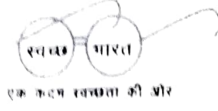
Date : 06/10/22

Place : Bengaluru

चित्रा जोन / CHITRA JOHN
210771, ए.उ.म.प्र. / Sr. DGM
आ.प्र. (कंपोनेंट्स व इएम)
HR (Comps & EM) / BEL

Head (HR/CLD)

सुजथा फ्रांसिस
SUJATHA FRANCIS
प्रबंधक (आ. प्र. / सी एल डी)
MANAGER HR/CLD



भारत इलेक्ट्रॉनिक्स लिमिटेड
भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

भारत इलेक्ट्रॉनिक्स लिमिटेड

(भारत सरकार का उद्यम, रक्षा मंत्रालय)

उत्पाद विकास एवं नवोन्मेष केंद्र

जालहल्ली पोस्ट, बंगलुरु-560 013, भारत

BHARAT ELECTRONICS LIMITED

(A Govt. of India Enterprise, Ministry of Defence)

Product Development & Innovation Centre

Jalahalli Post, Bengaluru-560 013, India

फोन / Phone :

फैक्स / Fax :

ईमेल / E-mail :

सं/No: 6050/HR/PDIC/PT- 249/2022-23

दिनांक/Date: 28.09.2022

प्रमाण-पत्र - CERTIFICATE

This is to certify that **Ms. Bhuvana R** student of **Visvesvaraya Institute of Technology** has undergone Internship in Automation Solutions Division of Product Development & Innovation Centre of BEL from 29.08.2022 to 28.09.2022

She was regular and punctual and her conduct was satisfactory during period.

H S Raghava

प्रबंधक (सा.सं.सं.वि.न.के)

Manager (HR/ PDIC)

28.09.2022

राघवा एच.एस. / RAGHAVA H.S

स्टाफ नं. / STAFF No. 212487

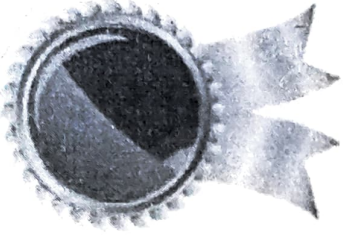
प्रबंधक / MANAGER

भा.सं. (पीडीआईसी) / HR (PDIC)



**Aqmenz Automation
Private Limited**

CIN: U74999KA2018PTC117612



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENT TO

Chandrika H.A

1MV19ET008

Has successfully completed Internship on **“Artificial Intelligence & Machine Learning”**
at **Aqmenz Automation Pvt. Ltd.** for a period of one month from 22.08.2022 to 22.09.2022.

CERTIFICATE ISSUE NO: IN / 9727 / FY2022

Mr Mohammed Azhar Hussain
Chief Technology Officer (CTO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



www.indoskill.in



Mr Mohan V S
Chief Executive Officer (CEO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



CERTIFICATE OF INTERNSHIP

This is to certify that **Charan S** whose USN is **1MV19ET009**, has completed their **Full Stack Web Development** Internship organised and handled by **Sain Informatix Pvt Ltd** from **23rd August, 2022** to **27th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Watsonisite- Information about Crypto Website**. This project was aimed at creating fully-fledged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, [CLICK HERE](#)



SAIN INFORMATIX PVT LTD

1122, Cellar Floor, Service Road

Hampi Nagar, Bengaluru

www.saininformatix.tech

info@saininformatix.tech

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Compssoft Technologies

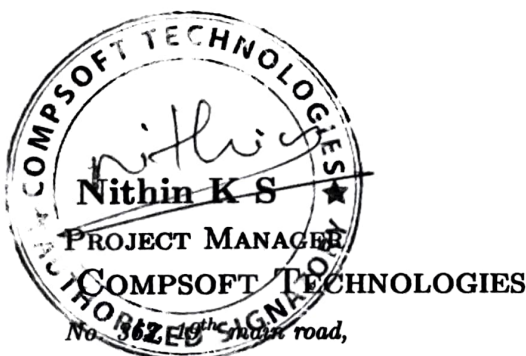
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CERTIFICATE OF INTERNSHIP

This is to certify that **Chetna Anand** whose USN is **1MV19ET010**, has completed their **Full Stack Web Development Internship** organised and handled by **Compssoft Technologies** from **20th August, 2022** to **20th September, 2022**

The person to whom this certificate is addressed to has worked on a project titled **Template for Online Resume Creator Website**. This project was aimed at creating fully-fledged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.



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Certificate

This is to certify that

- Sri./Smt/Kum DEEPA. N. S.
Ref No. 1410./CLD./HR./2022-23./27./204
student of SIR. M. VISVESVARAYA. INSTITUTE...
....OF...TECHNOLOGY...BANGALORE.....
carried out Project Work/Internship on OVERVIEW...
OF NAVAL SYSTEM [SONAR AND COMMUNICATION
....SYSTEM].....
● in NAVAL SYSTEM [SONAR AND COMMUNICATION].
SBU/CSG of BEL, Bengaluru from ..24. AUG. 2022...
to ..23. SEP. 2022.....

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

Project / Internship Guide

Date : 23 - 09 - 2022

Place : Bengaluru

Head (HR/CLD)

सुजाता फ्रांसिस / SUJATHA FRANCIS
प्रबंधक (मा. सं / सी एल डी)
MANAGER (HR/CLD)
भारत इलेक्ट्रॉनिक्स लिमिटेड
BHARAT ELECTRONICS LTD.
जालहल्ली पोस्ट, बेंगलूरु-560 013
JALAHALLI POST, BANGALORE - 560 013



CERTIFICATE OF COMPLETION

This internship certificate for brilliant and consistent high standards of workmanship signed this day by the duly authorized officers is proudly presented to

MR/MS. DHATHRIYA .S

For the successful completion of internship

IOT

under Pie Infocomm Private Limited from 20th AUGUST 2022 to 20th SEPTEMBER 2022. It lead to the

Completion of Project titled as "HOME AUTOMATION"



Vijay Kumar Jaiswal



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CERTIFICATE OF INTERNSHIP

This is to certify that **Diksha Bhartia** whose USN is **1MV19ET013** , has completed her **Java Development Internship** organised and handled by **Varcons Technologies Pvt. Ltd** from **20th August, 2022** to **20th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Typing Speed Calculator(WPM) Tool** , as part of the project, she worked on different modules of company projects and demonstrated good skills in **Java, J2EE, Servlets and JDBC**. She also prepared a report highlighting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, she demonstrated good design skills with a self-motivated attitude towards learning new things. Her performance exceeded expectations and she was able to complete the project successfully on time.



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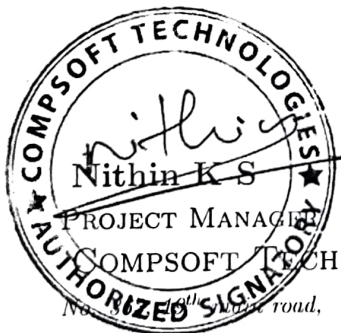
CERTIFICATE OF INTERNSHIP

This is to certify that **Divya T A** whose USN is **1MV19ET014**, has completed their **Machine Learning With Python(Research Based)** Internship organised and handled by **Compsoft Technologies** from **23rd August, 2022** to **27th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Automated Car Parking System using ML**, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model. Prepared a report highlighting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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CERTIFICATE OF INTERNSHIP

This is to certify that **Ganavi S** whose USN is **1MV19ET015**, has completed their **Full Stack Web Development** Internship organised and handled by **Varcons Technlogoies Pvt Ltd** from **25th August, 2022** to **29th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Template- Online Yoga training Center**. This project was aimed at creating fully-fledged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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Bitloka Solutions

Bitloka Solutions Pvt. Ltd.
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9th Main Road, Banashankari Stage
II, Banashankari, Bengaluru,
Karnataka 560070
080 2671 6453
contact@bitloka.com
bitloka.com

INTERNSHIP CERTIFICATE

This is to certify that Miss Isha Shrivastava has done her Internship in Bitloka Solutions Private Limited, Bangalore from Sept 2022 to Oct 2022.

She has worked on a project titled AI Driven HTML Beautifier. This internship project was built on a plug-in-based architecture. The code was mainly written in python and required knowledge of HTML/CSS, dom manipulation and tree traversal.

Both the POC and Prototype were satisfactorily completed by Miss Isha Shrivastava and other team members.

During the internship she demonstrated good design skills with a self-motivated attitude to learn new things. Her performance exceeded expectations and was able to complete the project successfully on time.

We wish her all the best for her future endeavors.

Warm regards,



Vishal Honnatti
Director



innovation.creation

Certificate Of Internship

This is to certify that Jayanth K S (1MV19ET017), has completed their Full Stack Web Development Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled IC Events-An Event Scheduler Website. This project was aimed at creating fully-fledged functional web template(s). As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

Anurag Patwary
Anurag Patwary
(Product Manager)

Garsh G
Garsh G
(Human Resources Manager)

 internship@icsoln.com  www.icsoln.com  721 JP Nagar 7th Phase,
Bengaluru 560078

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Jalahalli Post, Bengaluru - 560 013, India

Certificate

This is to certify that

- Sri./Smt/Kum *K. HARSHITHA*
- Ref No. *1410 /CLD /HR / 2022 - 23 / 27 / 211*
- student of *S.I.R. M. VISVESVARAYA* .. INSTITUTE ..
- ... OF ... TECHNOLOGY ... BANGALORE ..
- carried out Project Work/Internship on *OVERVIEW* ...
- ... OF ... COMPONENTS
-
- in .. COMPONENTS
- SBU/CSG of BEL, Bengaluru from .. *24* .. Aug. 2022 ...
- to .. *23* .. SEP. 2022

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

Soja ML
Project / Internship Guide

[Signature]
Head (HR/CLD)

Date : *23 - 09 - 2022*

Place : Bengaluru



CERTIFICATE OF COMPLETION

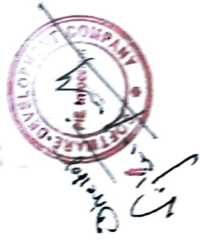
This internship certificate for brilliant and consistent high standards of workmanship signed this day by the duly authorized officers is proudly presented to

MR/MS. K. JAHNAVI DEVI

For the successful completion of internship

IOT

under Pie Infocomm Private Limited from **20th AUGUST 2022 to 20th SEPTEMBER 2022**. It lead to the Completion of Project titled as **“HOME AUTOMATION”**



Vijay Kumar Jaiswal



Compssoft Technologies

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CERTIFICATE OF INTERNSHIP

This is to certify that **Kokila S** whose USN is **1MV19ET021**, has completed their **Machine Learning With Python(Research Based)** Internship organised and handled by **Compssoft Technologies** from **23rd August, 2022** to **27th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Automated Car Parking System using ML**, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highlighting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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This is to certify that **Kumar Shivam** whose USN is **1MV19ET022**, has completed their **Full Stack Web Development** Internship organised and handled by **Varcons Technologies Pvt Ltd** from **25th August, 2022** to **29th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Template- A website to sell Caffeine**. This project was aimed at creating fully-fledged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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Certificate Of Internship

This is to certify that LIKITH PRASAD G A (1MV19ET023), has completed their Full Stack Web Development Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled IC Events-An Event Scheduler Website. This project was aimed at creating fully-fledged functional web template(s). As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.


Anurag Patwary
(Product Manager)


Ganesh G
(Human Resources Manager)

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CERTIFICATE

This is to certify that **Ms M A Mashitha** bearing **1MV19ET024** a bonafide student of **Sir M Visvesvaraya Institute of Technology** studying **B.E Electronics and Telecommunication Engineering** has undertaken the internship on "**Artificial Intelligence and Machine learning using Python**" in our organization from **25th August 2022** to **29th September 2022**. She has successfully completed the internship on the same.

During the course period the performance of the trainee was found to be **GOOD**.

Pragmatic Embd Solutions




Mr. K SHASHI KIRAN

TECHNICAL GUIDE



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BHARAT ELECTRONICS LIMITED
(A Govt. of India Enterprise, Ministry of Defence)
Jalahalli Post, Bengaluru - 560 013, India

Certificate

This is to certify that

● Sri./Smt/Kum **MADHUSHREE . S . K**

Ref No. **1410/CLD/HR/2022-23/27/191**

student of **S.I.B. M. VISVESVARAYA . INSTITUTE . OF . . .**

TECHNOLOGY . BANGALORE

carried out Project Work/Internship on **OVERVIEW . OF .**

NAVAL SYSTEM (SONAR AND COMMUNICATION SYSTEM)

● in **NAVAL SYSTEM [SONAR AND COMMUNICATION SYSTEM]** ..

SBU/CSG of BEL, Bengaluru from **24 . Aug . 2022**

to **23 . SEP . 2022**

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


Project / Internship Guide

Date : **23 - 09 - 2022**
Place : Bengaluru


Head (HR/CLD)
प्रबंधक (मं. स.) सी.एल.डी.
MANAGER (HR/CLD)
भारत इलेक्ट्रॉनिक्स लिमिटेड
BHARAT ELECTRONICS LTD.
जालाहल्ली पोस्ट, बंगलूरु-560013
A HALALI POST, BANGALORE-560013



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14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout,
Vijayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647
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TAKE IT SMART

Reg No. : 150027

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Internship Certificate

This Certifies that

MAHANTH B SOODA

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Student of

Full Stack Web Development

Has completed Internship in

20th August 2022 to 20th September 2022

From

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her

And Wish him / her all the best for him / her future.



Mallikarjun Kumar
Director



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Certificate Of Internship

This is to certify that MANVITH K C (1MV19ET027), has completed their Full Stack Web Development Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled IC Events-An Event Scheduler Website. This project was aimed at creating fully-fledged functional web template(s). As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.


Anurag Patwary
(Product Manager)


Garish G
(Human Resources Manager)



CERTIFICATE
OF INTERNSHIP

Externclub is proud to
award this certificate to

Mohammed Hassaan Manna

Upon Successful completion of an Internship in AWS
from **20-Aug-2022 to 19-Sep-2022**

During which we found the candidate to be sincere, enthusiastic and result oriented.
He/she worked well on the Module during the tenure. We take this opportunity to thank and
also to wish the very best for all the future endeavours

Signed by



Entrepreneurship Cell
IIT Kanpur

238001746
Unique ID



Compsoft Technologies

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Certificate ID - 1CSTMLA49

Date - 04/10/2022

Certificate of Internship

This is to certify that Mr/Ms OLIVIA KUMAR (1MV19ET029) has Completed One Month Internship on "Machine Learning with Python" with a grade of 'A' in Compsoft Technologies, RajajiNagar, Bangalore, from 20th August 2022 to 20th Sept 2022.

He/She has worked on a project titled Health Care Chatbot using ML. This project was aimed at creating an Automated Chatbot for Healthcare, As part of the project, he/She designed Client Specific Machine Learning Model, tested the working of the Model, by understanding the design briefs and client Specifications that were provided in the Proposal.

During the internship, he/she demonstrated good design skills with a self-motivated attitude to learning new things. His/Her performance exceeded expectations and was able to complete the project successfully on time, We wish him/her all the best in his/her future endeavours.

Warm regards,



Compsoft Technologies
No. 363, 19th main road,
1st Block Rajajinagar Bangalore- 560010



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ಏರೋ ಇಂಜಿನ್ ಅನುಸಂಧಾನ ಉಂ ಅಭಿಒಕಲ್ಪ ಕೇಂದ್ರ
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ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
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AERDC/HR/D-40/0293/2022

September 10th, 2022

CERTIFICATE

This is to certify that **Mr. P KALYAN KUMAR REDDY (1MV19ET030)** student of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE, KARNATAKA** has successfully completed his In-Plant Training in AERDC, Hindustan Aeronautics Limited (Design Complex), during the period from **22.08.2022 to 10.09.2022** on No-Pay No-Fee Basis.


(SARALA DEVI M)
MANAGER (HR)

Note: Request for verification of the above Certificate received from any external Agencies / Organization other than the concerned educational Institution will not be entertained.

ಪಂಜೀಕೃತ ಕಾರ್ಯಾಲಯ : 15/1, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು - 560 001, ಭಾರತ

ಪಂಜೀಕೃತ ಕಾರ್ಯಾಲಯ : 15/1, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು - 560 001, ಭಾರತ

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CENTRE FOR LEARNING AND DEVELOPMENT

BHARAT ELECTRONICS LIMITED
(A Govt. of India Enterprise, Ministry of Defence)
Jalahalli Post, Bengaluru - 560 013, India

Certificate

This is to certify that

Sri./Smt./Kum. PARTH ANSHUL

Ref No. 1410/CLD/HR/2020-23/27/272

student of SIR M. VISUESWARAYA INSTITUTE OF
TECHNOLOGY BANGALORE

carried out Project Work/Internship on OVERVIEW
OF COMPONENTS

in COMPONENTS

SBU/CSG of BEL, Bengaluru from 07th SEP 2020
to 06th OCT 2020

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

Project / Internship Guide

Date : 06/10/22

Place : Bengaluru

चित्रा जॉन / CHITRA JOHN
210771, व.उ.म.प्र. / Sr. DGM
वा.सं. (कंपोनेंट्स व ईएन)
HR (Comps & EM) / BEL
Jalahalli Post, Bengaluru-560013.

Head (HR/CLD)

सुजाता कासिस
SUJATHA KASIS
पबंधक (HR) / BEL

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ಏರೋ ಇಂಜಿನ್ ಅನುಸಂಧಾನ ಏವ್ ಅಭಿವೃದ್ಧಿ ಕೇಂದ್ರ
ವಿನ್ಯಾಸ ಸಂಕೀರ್ಣ / ಅಭಿವೃದ್ಧಿ ಕಾಂಪ್ಲೆಕ್ಸ್
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ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಪೋಸ್ಟ್ ಬ್ಯಾಗ್ ನಂಬರ್ 9310, ಬೆಂಗಳೂರು-560 093, ಭಾರತ
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ದೂರವಾರ್ತೆ/ದೂರಭಾಷೆ (Ph.) : 91-80-22326480, 22326661

AERDC/HR/D-40/0293/2022

September 10th, 2022

CERTIFICATE

This is to certify that Mr. RAGHAVENDRA T (1MV19ET032) student of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE, KARNATAKA has successfully completed his In-Plant Training in AERDC, Hindustan Aeronautics Limited (Design Complex), during the period from 22.08.2022 to 10.09.2022 on No-Pay No-Fee Basis.


(SARALA DEVI M)
MANAGER (HR)

Note: Request for verification of the above Certificate received from any external Agencies / Organization other than the concerned educational Institution will not be entertained.

ಪಂಜೀಕೃತ ಕಾರ್ಯಾಲಯ : 15/1, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು - 560 001, ಭಾರತ

पंजीकृत कार्यालय : 15/1, कबून रोड, बेंगलूरु - 560 001, भारत

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

CIN : L35301KA1963GOI001622 E (ई) : hr.aerdc@hal-india.com

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ಹಿಂದುಸ್ತಾನ್ ಆರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಬೆಂಗಳೂರು, ವಿನ್ಯಾಸ ಸಂಕೀರ್ಣ, 9310, ಬೆಂಗಳೂರು-560 093, ಭಾರತ
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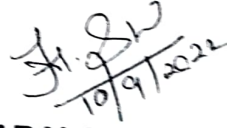
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AERDC/HR/D-40/0293/2022

September 10th, 2022

CERTIFICATE

This is to certify that **Mr. RAHUL N (1MV19ET033)** student of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE, KARNATAKA** has successfully completed his In-Plant Training in AERDC, Hindustan Aeronautics Limited (Design Complex), during the period from **22.08.2022 to 10.09.2022** on No-Pay No-Fee Basis.


(SARALA DEVI M)
MANAGER (HR)

Note: Request for verification of the above Certificate received from any external Agencies / Organization other than the concerned educational Institution will not be entertained.

ಪಂಜೀಕೃತ ಕಾರ್ಯಾಲಯ : 15/1, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು - 560 001, ಭಾರತ
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CIN : L35301KA1963GOI001622 E (ई) : hr.aerdc@hal-india.com



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Date- 19/10/2022

Certificate Of Internship

This is to certify that Rakshitha N (1MV19ET034), has completed their Machine Learning With Python Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September,2022.

The person to whom this certificate is addressed to has worked on a project titled Algorithm for predicting the risks of Chronic diseases. They designed the Machine Learning model, demonstrated and tested the working of the Model, Prepared a report highlighting its flaws by understanding the design briefs and Specifications that were provided.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

Anurag Patwary
Anurag Patwary
(Product Manager)

Garish G
Garish G
(Human Resources Manager)

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CERTIFICATE OF INTERNSHIP

This is to certify that **Rishu Raj Singh** whose USN is **1MV19ET035**, has completed their **Full Stack Web Development** Internship organised and handled by **Varcons Technologies Pvt. Ltd** from **5th November, 2022** to **19th December, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Website for a Cafe- Leisure Square**. This project was aimed at creating fully-fledged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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Certificate


This is to certify that

- Sri./Smt/Kum **BUCHITHA M**
Ref No. **1410./CLD./HR./2022-23/27/205**
student of **SIR M. VESNESVARAYA INSTITUTE OF**
TECHNOLOGY BANGALORE
carried out Project Work/Internship on **OVERVIEW OF**
NAVAL SYSTEM [SONAR AND COMMUNICATION]
- in **NAVAL SYSTEM [SONAR AND COMMUNICATION SYSTEM]**
SBU/CSG of BEL, Bengaluru from **24 Aug 2022** ..
to **23 SEP 2022**

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


Project / Internship Guide

Date : **23 - 09 - 2022**
Place : Bengaluru


Head (HR/CLD)
सुजाता फ्रांसिस / SUJATHA FRANCIS
प्रबंधक (म. सं / सी.एल.डी.)
MANAGER (HR/CLD)
भारत इलेक्ट्रॉनिक्स लिमिटेड
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CERTIFICATE OF INTERNSHIP

This is to certify that **Saluva Dhana Dheepthi** whose USN is **1MV19ET037**, has completed their **Machine Learning With Python(Research Based)** Internship organised and handled by **Compsoft Technologies** from **23rd August, 2022** to **27th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Automated Car Parking System using ML**, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highlighting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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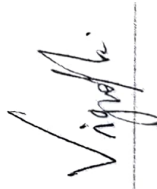
CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS PRESENTED TO

SHARIQUE USTAD

FOR THE SUCCESSFUL ACCOMPLISHMENT OF THE FUNDAMENTAL OF WIRELESS TELECOM

Given this November 2022


Vignesh Kumar

Project Manager


Md Atif Siddiqui

Mohammad Atif Siddiqui

Country Head

Plot 103, Bukoto Street, Kampala UGANDA



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Internship Certificate

This Certifies that

SUDEEP J

Student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**

Has completed Internship in **Full Stack Web Development**

From **20th August 2022 to 20th September 2022**

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her

And Wish him / her all the best for him / her future.



Mallikarjun Kumar
Director



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This is to certify that **Sumit Raj** whose USN is **1MV19ET041**, has completed their **Full Stack Web Development** Internship organised and handled by **Varcons Technologies Pvt Ltd** from **25th August, 2022** to **29th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Template- A website to sell Caffeine**. This project was aimed at creating fully-fledged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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21/09/2022

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Internship Letter

Date: 04-10-2022

Subject: Letter of Internship

To Whomsoever it may concern,

This is to certify that **Mr. Tarun A** was associated as an Intern with Quantumics.AI India Technology Private Ltd. during the course of his internship, he operated under the GTM Wing and has been successfully trained in this regard.

During this period Mr. Tarun A has successfully met the objectives of the project.

I wish him all the very best for all his future endeavours and hereby award this letter of internship in appreciation of the accentuating efforts made by him as part of our organization.

Sincerely yours,

Ammupriya Munusamy
Operations Manager
Derisk360 LTD.

<https://www.quantumics.ai/>

Quantumics.AI Pvt. Ltd, 75, Ramaiah Reddy Layout, Ramamurthynagar, Bangalore, Karnataka, India 560016



**Aqmenz Automation
Private Limited**

CIN: U74999KA2018PTC117612



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENT TO

Utkarsh Gupta

1MV19ET043

Has successfully completed Internship on “Artificial Intelligence & Machine Learning”
at **Aqmenz Automation Pvt. Ltd.** for a period of one month from 22.08.2022 to 22.09.2022.

CERTIFICATE ISSUE NO: IN / 9833 / FY2022

Mr Mohammed Azhar Hussain
Chief Technology Officer (CTO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



www.indoskill.in



Mr Mohan V S
Chief Executive Officer (CEO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



**Aqmenz Automation
Private Limited**

CIN: U74999KA2018PTC117612



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FOR SKILL INDIA

CERTIFICATE O F C O M P L E T I O N

THIS CERTIFICATE IS PROUDLY PRESENT TO

Varun Sachan

1MV19ET044

Has successfully completed Internship on **"Artificial Intelligence & Machine Learning"**
at **Aqmenz Automation Pvt. Ltd.** for a period of one month from 22.08.2022 to 22.09.2022.

CERTIFICATE ISSUE NO: IN / 9822 / FY2022

Mr Mohammed Azhar Hussain
Chief Technology Officer (CTO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



www.indoskill.in



Mr Mohan V S
Chief Executive Officer (CEO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



**Aqmenz Automation
Private Limited**

CIN: U74999KA2018PTC117612



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENT TO

Venna Venkata Siva Reddy

1MV19ET045

Has successfully completed Internship on “**Artificial Intelligence & Machine Learning**”
at **Aqmenz Automation Pvt. Ltd.** for a period of one month from 22.08.2022 to 22.09.2022.

CERTIFICATE ISSUE NO: IN / **9824** / FY2022

Mr Mohammed Azhar Hussain
Chief Technology Officer (CTO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



www.indoskill.in



Mr Mohan V S
Chief Executive Officer (CEO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



**Aqmenz Automation
Private Limited**

CIN: U74999KA2018PTC117612



CERTIFICATE O F C O M P L E T I O N

THIS CERTIFICATE IS PROUDLY PRESENT TO

Vivek Kumar Singh

1MV19ET046

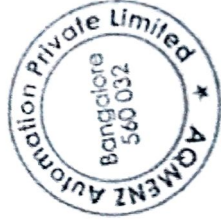
Has successfully completed Internship on “**Artificial Intelligence & Machine Learning**”
at **Aqmenz Automation Pvt. Ltd.** for a period of one month from 22.08.2022 to 22.09.2022.

CERTIFICATE ISSUE NO: IN / **9690** / FY2022

Mr Mohammed Azhar Hussain
Chief Technology Officer (CTO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



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Mr Mohan V S
Chief Executive Officer (CEO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



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Date- 19/10/2022

Certificate Of Internship




This is to certify that Yakshitha .J (1MV19ET047), has completed their Machine Learning With Python Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September,2022.

The person to whom this certificate is addressed to has worked on a project titled Algorithm for predicting the risks of Chronic diseases. They designed the Machine Learning model, demonstrated and tested the working of the Model, Prepared a report highlighting its flaws by understanding the design briefs and Specifications that were provided.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

Anurag Patwary
Anurag Patwary
(Product Manager)

Garish G
Garish G
(Human Resources Manager)

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Certificate Of Internship

This is to certify that Yuvaraju M(1MV19ET048), has completed their Full Stack Web Development Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September,2022.

The person to whom this certificate is addressed to has worked on a project titled IC Events-An Event Scheduler Website. This project was aimed at creating fully-fledged functional web template(s). As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

Anurag Patwary
Anurag Patwary
(Product Manager)

Garish G
Garish G
(Human Resources Manager)

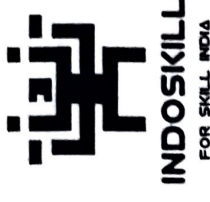
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CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENT TO

Harshitha M

1MV18TE016

Has successfully completed Internship on “Artificial Intelligence & Machine Learning”
at **Aqmenz Automation Pvt. Ltd.** for a period of one month from 22.08.2022 to 22.09.2022.

CERTIFICATE ISSUE NO: IN / 10264 / FY2022

Mr Mohammed Azhar Hussain
Chief Technology Officer (CTO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



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Mr Mohan V S
Chief Executive Officer (CEO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032



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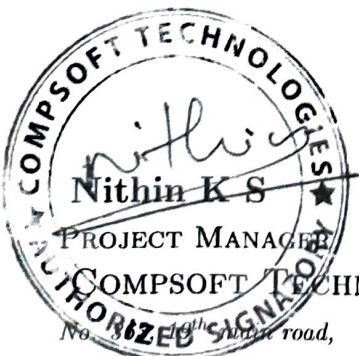
CERTIFICATE OF INTERNSHIP

This is to certify that **Vaishalini S** whose USN is **1MV20ET400**, has completed their **Machine Learning With Python(Research Based)** Internship organised and handled by **Compsoft Technologies** from **23rd August, 2022** to **27th September, 2022**.

The person to whom this certificate is addressed to has worked on a project titled **Automated Car Parking System using ML**, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highlighting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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MINI-PROJECT BATCHES AND GUIDES FOR THE ACADEMIC YEAR 2022-23

Sl.No	BATCH	USN	NAME OF THE CANDIDATE	TITLE OF THE PROJECT	NAME OF THE GUIDE
1	B1	1MV20ET001	ABHINAV KUMAR	Automated Umbrella for Crop Prediction	Dr. E. Kavitha
2		1MV20ET002	ADELIN SHEETAL PINTO		
3		1MV20ET015	MANMOHAN SINGH		
4		1MV20ET017	NIKITA BANTHIA		
5	B2	1MV20ET003	ANUBHUTI SINHA	WSN based Data Acquisition for Multiple Facults Monitoring and Controlling	Dr. Dinokumar Kongkham
6		1MV20ET021	PRIYANSHU SAHAY		
7		1MV20ET026	SHASHWAT KUMAR		
8		1MV20ET033	VK SREE LAKSHMI		
9	B3	1MV20ET004	ANUSHA REDDY R	Foot Step Power Generation	Ms. Savita A Harkude
10		1MV20ET013	HARSHITHA R		
11		1MV20ET027	SHRAVANI S		
12		1MV21ET400	CHARITHASHREE V		
13	B4	1MV20ET005	BHARATHKUMAR HUGAR	Smart Home Assistant	Dr. Dinokumar Kongkham
14		1MV20ET007	CHANDU M		
15		1MV20ET011	F MAARAN LAWRENCE		
16		1MV20ET023	SAI KIRAN D BADIGER		
17	B5	1MV20ET006	BHYRESH C R	Ultrasonic Glasses for Blind	Ms. Sandhya B S
18		1MV20ET008	CHARAN B		
19		1MV20ET030	THARUN PARTHEEV A		
20		1MV21ET401	PUNEETH YADAV M		
21	B6	1MV20ET009	CHAYA N	Driver Drowsiness Detection	Dr. E. Kavitha
22		1MV20ET019	NIVEDHITHA.K.R		
23		1MV20ET031	VARSHITHA.N		
24		1MV20ET032	VIBHA B R		
25	B7	1MV20ET010	CHETHAN M T	Solar Panel with Sun Position Tracking	Ms. Savita A Harkude
26		1MV20ET025	SANKET LAXMEESH HEGDE		
27		1MV20ET029	TEJAS GOWDA		
28		1MV20ET034	YATHISH K		
29	B8	1MV20ET012	HARSH KUMAR VERMA	Third Eye for Blind Ultrasonic Vibrator Gloves	Ms. Swetha B M
30		1MV20ET024	SAMIR KUMAR		
31		1MV20ET028	SUMIT SOURAV		
32		1MV20ET035	PRASHANT KUMAR SONU		
33	B9	1MV20ET014	JAYALAKSHMI G	IoT Based Air Pollution Monitoring System	Faiz Mohammad Karobari
34		1MV20ET020	POOJA R		
35		1MV20ET022	RAMYA V		


Head of the Department, ETE.

Head of Department
Department of Electronics and
Telecommunication
Sir MVIT, Bangalore - 562 157



**VISVESVARAYA TECHNOLOGICAL
UNIVERSITY “JNANA SANGAMA”, BELAGAVI-
590018**

**A Project Report On
“THIRD EYE FOR BLIND ULTRASONIC VIBRATOR GLOVES ”**

[18TEMP68]

**Submitted in partial fulfillment of 6th semester of
BACHELOR OF ENGINEERING IN ELECTRONICS & TELECOMMUNICATION ENGINEERING**

Submitted By:

HARSH KUMAR VERMA(1MV20ET012)

SAMIR KUMAR(1MV20ET024)

SUMIT SOURAV(1MV20ET028)

PRASHANT KUMAR SONU(1MV20ET035)

Under the Guidance of

Mrs. Swetha B. M.

Assistant Professor, Department of ETE, Sir MVIT.



**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Year 2022-2023**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, Bangalore -562157

(Affiliated to Visvesvaraya Technological University, Belgaum)

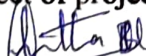
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING


YEAR 2022-2023

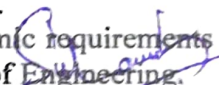
CERTIFICATE

Certified that the project work "**THIRD EYE FOR BLIND ULTRASONIC VIBRATOR GLOVES**" is a bonafide work carried out by **HARSH KUMAR VERMA(1MV20ET012)**, **SAMIR KUMAR(1MV20ET024)**, **SUMIT SOURAV(1MV20ET028)**, **PRASHANT KUMAR SONU(1MV20ET035)**, students of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Engineering in **Electronics & Telecommunication Engineering** of **Visvesvaraya Technological University, Belagavi** for the academic year **2022-23**. It is certified that all corrections and 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 course of Bachelor of Engineering.


Mrs. Swetha B. M.
Asst. Prof, Dept. of ETE


Dr. E. Kavitha
Prof. & Head, Dept.
Dept. of ETE


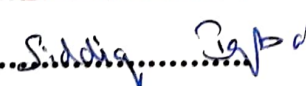

PRINCIPAL
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International Airport Road, Bangalore-562 157

Sir MVIT, Bangalore.



Sir MVIT, Bangalore.

Sir MVIT, Bangalore.

Name of the Examiner

1......
2......

Signature with

1......
2......

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM - 590014



Mini project report

(18TEMP68)

On

**“AUTOMATED UMBRELLA FOR
CROP PROTECTION”**

Submitted by

ABHINAV KUMAR

1MV20ET001

ADELINE SHEETAL PINTO

1MV20ET002

MANMOHAN SINGH

1MV20ET015

NIKITA BANTHIA

1MV20ET017

Under the Guidance of

Dr. E. Kavitha

Prof. & Head, Dept. Of ETE

Department of Electronics and Telecommunication



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, Bangalore -562157

2022-2023

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Department of Electronics and Telecommunication

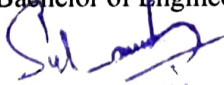


CERTIFICATE

This is to certify that the project entitled "Automated umbrella for crop protection " is a bonafide work carried out by ABHINAV KUMAR(1MV20ET001), ADELIN SHEETAL PINTO(1MV20ET002), MANMOHAN SINGH(1MV20ET015) and NIKITA BANTHIA (1MV20ET017) of Sir M. Visvesvaraya Institute of Technology, Bangalore, in partial fulfillment for the award of the degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Visvesvaraya Technological University, Belgaum during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of the Mini Project work (18TEMP68) prescribed for Bachelor of Engineering degree.


Internal Guide

(Dr. E. Kavitha)
HOD
Dept. of ETE
Sir MVIT, Bangalore


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(Dr. Rakesh S.G.)
Principal
Sir MVIT
Bengaluru

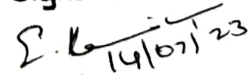


Head of the Department

(Dr. E. Kavitha)
HOD
Dept. of ETE
Sir MVIT, Bangalore

Name of Examiner

Dr. E. KAVITHA
Siddiq Tqbal

Signature


14/07/23

14/7/23

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI – 590 018**



Project Report On

“FOOT STEP POWER GENERATION”

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Engineering

in

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted By

ANUSHA REDDY R
HARSHITHA R
SHRAVANI S
CHARITHASHREE V

1MV20ET004
1MV20ET013
1MV20ET027
1MV21ET400

Under the Guidance of
SAVITA A HARKUDE
Associate Professor

Department of Electronics And Telecommunication Engineering
Sir MVIT Bengaluru-562157.



Estd. 1986

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING**

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU- 562 157

Academic Year: 2022-23

**SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU - 562 157**

DEPARTMENT OF ELECTRONICS TELECOMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Project Work [18TEMP68] entitled “FOOT STEP POWER GENERATION” is a bonafied work carried out by ANUSHA REDDY R (1MV20ET004), HARSHITHA R (1MV20ET013), SHRAVANI S (1MV20ET027), CHARITHASHREE V (1MV21ET400) in partial fulfillment for the award of degree of Bachelor of Engineering in Electronics And telecommunication Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2023-24. 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 Bachelor of Engineering Degree.

SAVITA A HARKUDE
Associate Professor
Dept of ETE
Sir MVIT, Bengaluru

Dr. E. Kavitha G
Professor and Head
Dept of ETE
Sir MVIT, Bengaluru

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International Airport Road, Bangalore-562 157
Prof. Rakesh S.G.
Principal
Sir MVIT
Bengaluru

Name of Examiner

- 1.....Dr. E. KAVITHA
- 2.....Siddhant Rayba

Signature with Date

- 1..... 14/10/23
- 2..... 14/7/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-590 018



Mini Project Report on "ULTRA SONIC GLASSES FOR BLIND (THIRD EYE FOR BLIND)"

Submitted in partial fulfilment of the requirements for the award of the Degree of

BACHELOR OF ENGINEERING IN

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by

BHYRESH CR

1MV20ET006

CHARAN B

1MV20ET008

THARUN PARTHEEV A

1MV20ET030

PUNEETH YADAV M

1MV21ET401

Under the Guidance of

Ms. SANDHYA B S

Assistant Professor

Dept of Electronics & Telecom Eng., SIR MVIT,
Bengaluru.



Department of Electronics & Telecommunication Engineering

Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

2022 - 2023

Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electrical & Telecommunication Engineering



CERTIFICATE

Certified that the Project work entitled "ULTRA SONIC GLASSES FOR BLIND" carried out by THARUN PARTHEEV A (1MV20ET030), PUNEETH YADAV M(1MV21ET401), CHARAN B (1MV20ET008), BHYRESH CR (1MV20ET006) bona fide students of Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfilment for the requirements for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report deposited in the department library. The internship work report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the above-mentioned degree.

Sandhya.B S.
Signature of guide

Ms. Sandhya.B.S

E. Kavitha
Signature of HOD

Dr. E. Kavitha

S. Rakesh S.C.
Signature of principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Bengaluru-562157
Dr. Rakesh S.C.

EXTERNAL VIVA

Name of Examiners

1. Dr. E. KAVITHA

2. Siddiq Rafiq

Signature with date

E. Kavitha
14/07/23

Siddiq Rafiq
14/7/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI - 590 018



PROJECT (18TEMP68) REPORT ON

"IOT BASED AIR POLLUTION MONITORING SYSTEM"

Submitted in partial fulfilment of the requirements for the award of the Degree

BACHELOR OF ENGINEERING

In

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by

JAYALAKSHMI. G USN: 1MV20ET014

POOJA. R USN: 1MV20ET020

RAMYA. V USN: 1MV20ET022



Under the Guidance of

Mr. FAIZ MOHAMMAD KAROBARI

Assistant Professor Dept. of ETE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Bengaluru -562157

2022-2023


SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157


Department of Electronics and Telecommunication Engineering

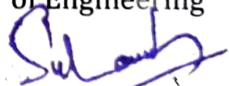


CERTIFICATE

This is to certify that the Project work Phase-1 (18TEMP68) entitled “**IOT BASED AIR POLLUTION MONITORING SYSTEM**” is a bonafide work carried out by **JAYALAKSHMI.G (1MV20ET014), POOJA. R (1MV20ET020), RAMYA. V(1MV20ET022)** of Sir M. Visvesvaraya Institute of Technology, B, in partial fulfilment for the award of degree of Bachelor of Engineering in **Electronics and Telecommunication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to department library. The project phase-1 report has been approved as it satisfies the academic requirements in respect of project work prescribed for Bachelor of Engineering degree.


Mr. FAIZ MOHAMMAD KAROBARI
Assistant Professor
Dept. of ETE

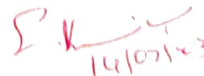

Dr. E. KAVITHA
Professor & Head
Dept. of ETE


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishna Nagar, Bellary Road, Bangalore-560027
Prof. RAKESH SG
Principal
Sir M V I T

Name of the Examiners

Signature with Date

1. Dr. E. KAVITHA


14/07/23

2. Siddiq Reza


14/7/23

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI -590018**



REPORT OF MINI-PROJECT

On

“SOLAR PANEL WITH SUN POSITION TRACKING”

Submitted by:

**CHETHAN M T
SANKET HEGDE
TEJAS GOWDA
YATHISH K**

**1MV20ET010
1MV20ET025
1MV20ET029
1MV20ET034**

Under the Guidance of

Mrs. Savita A Harkude

Associate Professor, Department of ETE, Sir MVIT.



**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
ACADEMIC YEAR: 2022-2023**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevrayanagar, Hunasamaranahalli Banglore-562157
 (Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2022-2023

CERTIFICATE

Certified that the project work "SOLAR PANEL WITH SUN POSITION TRACKING" is a bonafide work that is carried out by, **CHETHAN M T(1MV20ET010)**, **SANKET HEGDE(1MV20ET025)**, **TEJAS GOWDA(1MV20ET029)**, **YATHISH K(1MV20ET034)** students of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY** in partial fulfillment of the requirements for the Degree of Bachelor of Engineering in **Electronics and Telecommunication Engineering** of Visvesvaraya Technological University, Belagavi for the academic year 2022-2023. It is certified that the all the corrections and the suggestions indicated by the 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 the project work prescribed for the course of Bachelor of Engineering.

Mrs. Savita A Harkude
 Assoc. Prof, Dept. of ETE
 Sir MVIT Bangalore

Dr. E. Kavitha
 Prof. & Head of Dept. ETE
 Sir MVIT Bangalore

Prof. Rakesh S G
 Principal
 Sir MVIT Bangalore

Name of Examiner

1.....**Dr. E. KAVITHA**.....
 2.....**Siddhi Sapat**.....

Signature with Date

1.....**P. Kavitha**.....**10/11/23**
 2.....**Siddhi Sapat**.....**14/1/23**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI – 590 018**



Project Report On

“DRIVER DROWSINESS DETECTOR”

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Engineering

in

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted By

CHAYA N
NIVEDHITHA K R
VARSHITHA N
VIBHA B R

1MV20ET009
1MV20ET019
1MV20ET031
1MV20ET032

Under the Guidance of
DR.E. KAVITHA

Department of Electronics and Telecommunication Engineering
Sir MVIT Bengaluru-562157.



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING
SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU- 562 157
Academic Year: 2022-23**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI -590018**



SYNOPSIS OF MINI-PROJECT

On

“SMART HOME ASSISTANT”

by

**BHARATH KUMAR HUGAR
CHANDU M
F MAARAN LAWRENCE
SAI KIRAN D BADIGER**

**1MV20ET005
1MV20ET007
1MV20ET011
1MV20ET023**

**Under the Guidance of
Dr. Dinokumar Kongkham**

Assistant Professor



**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
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(Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING




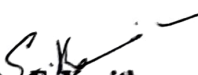
YEAR 2022-2023

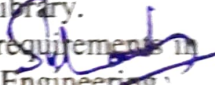
CERTIFICATE

Certified that the project work "**SMART HOME ASSISTANT**" is a bonafide work that is carried out by, **BHARATHKUMAR HUGAR(1MV20ET005), CHANDU M(1MV20ET007), F MAARAN LAWRENCE(1MV20ET011), SAI KIRAN D BADIGER(1MV20ET023)** students of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY** in partial fulfillment of the requirements for the Degree of Bachelor of Engineering in **Electronics and Telecommunication Engineering** of Visvesvaraya Technological University, Belgavi for the academic year 2022-2023. It is certified that the all the correction and the suggestion indicated by the 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 the project work prescribed for the course of Bachelor of Engineering.


Dr. Dinokumar Kongkham
Asst. Prof, Dept. of ETE
Sir MVIT Bangalore


Dr. E. Kavitha
Prof. & Head of Dept.
Sir MVIT Bangalore


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International Airport Road, Bangalore-562 157
Prof. Rakesh S. G.
Principal
Sir MVIT Bangalore

Name of Examiner

1.....**Dr. E. KAVITHA**.....
2.....**Siddhi**.....

Signature with Date

1.....**E. K. 14/10/23**.....
2.....**rd**.....
14/7/23

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI -590018**



SYNOPSIS OF MINI-PROJECT

**“WSN BASED DATA ACQUISITION FOR MULTIPLE
FAULTS MONITORING AND CONTROLLING”**

by

**ANUBHUTI SINHA
PRIYANSHU SAHAY
SHASHWAT KUMAR
VK SREELAKSHMI**

**1MV20ET003
1MV20ET021
1MV20ET026
1MV20ET033**

**Under the Guidance of
Dr. Dinokumar Kongkham
Assistant Professor**



**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevrayanagar, Hunasamaranahalli Banglore-562157
(Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2022-2023

CERTIFICATE

Certified that the project work "WSN BASED DATA ACQUISITION FOR MULTIPLE FAULTS MONITORING AND CONTROLLING" is a bonafide work that is carried out by, ANUBHUTI SINHA(1MV20ET003), PRIYANSHUSAHAY(1MV20ET021), SHASHWAT KUMAR(1MV20ET026), VK SREELAKSHMI (1MV20ET033) students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfillment of the requirements for the Degree of Bachelor of Engineering in **Electronics and Telecommunication Engineering** of Visvesvaraya Technological University, Belgavi for the academic year 2020-2024. It is certified that the all the correction and the suggestion indicated by the 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 the project work prescribed for the course of Bachelor of Engineering.

Dinok
14/7/23

Dr. Dinokumar Kongkham
Asst. Prof, Dept. of ETE
Sir MVIT Bangalore

E. Kavitha

Dr. E. Kavitha
Prof. & Head of Dept.
Sir MVIT Bangalore

S. K. R. R. S. G.

Prof. R. K. R. S. G.
Principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevrayanagar, Hunasamaranahalli
Bangalore-562157

Name of Examiner

- 1...Dr. E. KAVITHA
- 2...Siddha...Sapna

Signature with Date

- 1...*E. Kavitha* 14/07/23
- 2...*S. K. R. R. S. G.* 14/7/23