

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



PROJECT REPORT

(18TEP83)

on

“FIRE EXTINGUISHER ROBOT”

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

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

Academic year 2023-2024

Submitted by:

**HARSH KUMAR VERMA
SAMIR KUMAR
SUMIT SOURAV
PRASHANT KUMAR**

**1MV20ET012
1MV20ET024
1MV20ET028
1MV20ET035**

Under the Guidance of:

**Dr. E. Kavitha
Head of Dept. ETE
Sir MVIT, Bangalore**



**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
ACADEMIC YEAR: 2023-2024**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevrayanagar, Hunasamaranahalli Bangalore-562157

(Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2023-2024

CERTIFICATE


Certified that the project work "**FIRE EXTINGUISHER ROBOT**" is a bonafide work that is carried out by, **HARSH KUMAR VERMA(1MV20ET012)**, **SAMIR KUMAR(1MV20ET024)**, **SUMIT SOURAV(1MV20ET028)**, **PRASHANT KUMAR (1MV20ET035)**, 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.


Dr. E. Kavitha

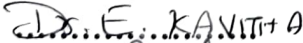

Head of Dept, ETE
Sir MVIT, Bangalore


Dr. E. Kavitha

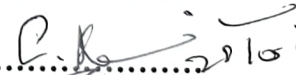
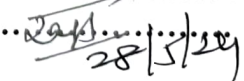
Head of Dept, ETE
Sir MVIT, Bangalore


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Prof. Rakesh S.G.
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Sir MVIT, Bangalore

Name of Examiners


Dr. E. KAVITHA

Dr. Raghunandan, G.H.

Signature with Date


.....28/5/24

.....28/5/24

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI -590018



PROJECT REPORT

(18TEP83) on

“BRAIN SENSE CONTROLLED ROBOT”

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

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Academic year 2023-2024

Submitted by:

CHETHAN MT
SANKET HEGDE
TEJAS GOWDA
YATHISH K

1MV20ET010
1MV20ET025
1MV20ET029
1MV20ET034

Under the Guidance of:

Mrs. SAVITA A HARKUDE
Assoc. Prof Dept. ETE Sir
MVIT, Bangalore



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
ACADEMIC YEAR: 2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**Krishnadevrayanagar, Hunasamaranahalli Bangalore-562157****(Affiliated to Visvesvaraya Technological University, Belgavi)****DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING****YEAR 2023-2024****CERTIFICATE**

Certified that the project work "**BRAIN SENSE CONTROLLED ROBOT**" is a bonafide work that is carried out by, **CHETHAN MT (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 20222023. 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 ETE

Sir MVIT, Bangalore

Dr. E. Kavitha
Head of Dept, ETE

Sir MVIT, Bangalore

PRINCIPAL
Prof. Rakesh S G
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevrayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157

Sir MVIT, Bangalore

Name of Examiners

.....**Dr. E. KAVITHA**.....

.....**Dr. Raghunandan. G.H**.....

Signature with Date

.....**Dr. E. Kavitha**.....**28/05/24**
.....**Dr. Raghunandan. G.H**.....**28/05/24**



ವಿಶ್ವವಿದ್ಯಾರಣ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

**Project Report
(18TEP83)**

on

“AUTOMATIC ATTENDANCE MONITORING SYSTEM USING IOT”

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

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
for the Academic year 2023-2024**

Report Submitted by:

BHYRESH CR	(1MV20ET006)
CHARAN B	(1MV20ET008)
THARUN PARTHEEV A	(1MV20ET030)
PUNEETH YADAV M	(1MV21ET401)

Under the Guidance of

Mrs. SAVITA A HARKUDE
Associate Professor, Dept.of ETE
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
2023 – 2024

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 Electronics & Telecommunication Engineering



CERTIFICATE

Certified that the project work entitled “Automatic Attendance Monitoring System Using Iot” carried out by Mr. Bhyresh (USN 1MV20ET006), Mr. Charan (USN 1MV20ET008), Mr. Tharun Partheev (USN 1MV20ET030), Mr. Puneeth Yadav M (USN 1MV21ET401), bonafide students of Sir M. Visvesvaraya Institute Of Technology, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project work report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the above-mentioned degree.

.....
Signature of Guide

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

.....
Signature of HOD

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

.....
Signature of Principal

PRINCIPAL.....
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Bengaluru - 562157
Signature of Principal
Prof. Rakesh S.G
Principal
Sir MVIT, Bangalore

EXTERNAL VIVA

Name of Examiners

1. Dr. E. KAVITHA
2. Dr. Raghunandan. G.H

Signature with date

.....
27/05/24
27/5/24

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi - 590018



PROJECT REPORT ON

“SMART HEALTH MONITORING SYSTEM”

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 2020-2024

Report Submitted by:

BHARATHKUMAR HUGAR

1MV20ET005

CHANDU M

1MV20ET007

F MAARAN LAWRENCE

1MV20ET011

SAI KIRAN D BADIGER

1MV20ET023

Under the guidance of:

Swetha B M,

Assistant Professor, Dept of ETE, SMVIT



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

Year 2023-2024

Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

YEAR 2020-2024




CERTIFICATE

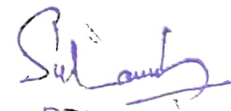
Certified that the project work "SMART HEALTH MONITORING SYSTEM" is a bonafide work that is carried out by, BHARATHKUMAR HUGAR (1MV20ET005), CHANDU M (1MV20ET007), F MAARAN LAWRENCE (1MV20ET011), SAI KIRAN D BADIGER (1MV20ET023) students of Sir M Visvesvaraya Institute of Technology in partial fulfillment of the requirements for the Degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of Visvesvaraya Technological University, Belagavi 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.


Signature of the Guide

Ms. Swetha B.M.
Asst. Professor, ETE
Sir MVIT, Bengaluru


Signature of HOD

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


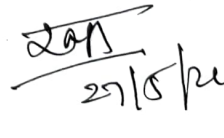

PRINCIPAL
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International Airport Road, Bengaluru-562 157
Signature of Principal

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

Name of the Examiners

1. Dr. E. KAVITHA
2. Dr. Raghuraman, G.H

Signature with date


27/05/24

27/05/24

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI - 590 018



FINAL YEAR PROJECT REPORT ON
AUTOMATIC MEDICINE DISPATCHER WITH DYNAMIC
TELEMONITORING SYSTEM USING IOT IN RURAL AREAS

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
Ms. AKILA. P
Assistant Professor
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Bengaluru -562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

Department of Electronics and Telecommunication Engineering



CERTIFICATE

This is to certify that the Project work Phase-I (18TEMP68) entitled “**AUTOMATIC MEDICINE DISPATCHER WITH DYNAMIC TELEMONITORING SYSTEM USING IOT IN RURAL AREAS**” is a bonafide work carried out by **JAYALAKSHMI.G (1MV20ET014), POOJA. R (1MV20ET020), RAMYA. V(1MV20ET022)** of **Sir M. Visvesvaraya Institute of Technology, Bangalore**, 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 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to department library. The project phase-I report has been approved as it satisfies the academic requirements in respect of project work prescribed for Bachelor of Engineering degree.


Signature of the Guide

Ms. AKILA.P
Asst. Professor, ETE
Sir MVIT, Bangalore

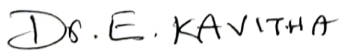


Signature of HOD

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


Signature of Principal

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Krishnadevarayanagar, Hunsarasanahalli
International Airport Road, Bangalore-562 157
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1.  Dr. E. KAVITHA
2.  Dr. Raghunandan. G.H

SIGNATURE WITH DATE


27/05/24


27/5/24

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



PROJECT WORK PHASE - II REPORT (18TEP83)

ON

“Railway Track Obstruction Detector”

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION

Submitted by,

Abhinav Kumar

1MV20ET001

Adeline Sheetal Pinto

1MV20ET002

Manmohan Singh

1MV20ET015

Nikita Banthia

1MV20ET017

Under the guidance of

Dr. E. KAVITHA

Professor/Head of Department

Department of Electronics and Telecommunication Engineering



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Bengaluru -562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY


BENGALURU-562157

Department of Electronics and Telecommunication Engineering



CERTIFICATE

This is to certify that the project entitled “**Railway Track Obstruction Detector**” is a bonafide work carried out by **Abhinav Kumar (1MV20ET001)**, **Adeline 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** of the **Visvesvaraya Technological University**, Belagavi during the academic year 2023-2024. 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 Project work (18TEP83) prescribed for a Bachelor of Engineering degree.


Signature of Guide

Dr. E. Kavitha

Internal Guide

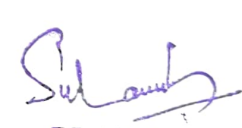
Sir MVIT, Bengaluru


Signature of HOD

Dr. E. Kavitha

Head of Department

Department of ETE


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Road, Bangalore-562 157
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Signature of Principal

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Principal

Sir MVIT, Bengaluru

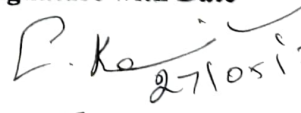
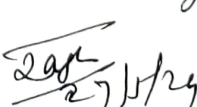
External Examination Viva:

Name of Examiner

1) **Dr. E. KAVITHA**

2) **Dr. Raghunandan. G.H**

Signature with Date


27/05/24

27/5/24

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



Final Year Project On

“SMART ENERGY METER USING NARROW BAND-IOT”

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
MS. SANDHYA B.S
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**

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU - 562 157
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING



CERTIFICATE

Certified that the Project Work [18TEP83] entitled **"SMART ENERGY METER USING NARROW BAND-IOT"** is a Bona-fide work carried out by **CHAYA N (1MV20ET009), NIVEDHITHA K R (1MV20ET019), VARSHITHA N (1MV20ET031), VIBHA B R (1MV20ET032)** 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 have been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

Sandhya B S

Ms. Sandhya B S
Asst .Professor
Dept of ETE
Sir MVIT,Bengaluru

Dr. E. Kavitha

Dr.E.Kavitha
Professor and Head
Dept of ETE
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Sulash

PRINCIPAL

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Krisnadevarayanagar, Hunsur, Mysore
Internal Dr. Ramesh S. C. Bangalore-562 157

Principal
Sir MVIT
Bengaluru

Name of Examiner

1. *Dr. E. KAVITHA*
2. *Dr. Raghunandan. G.H*

Signature with Date

1. *[Signature]* 27/05/24
2. *[Signature]* 27/5/24

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018



Project Work Phase II [18TEP83]

“Wireless Energy Transfer on Road for Electrical Vehicles”

*Submitted in partial fulfilment of the requirements for the award of Bachelor of
Engineering in*

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted By:

ANUSHA REDDY R	1MV20ET004
HARSHITHA R	1MV20ET013
SHRAVANI S	1MV20ET027
CHARITHASHREE V	1MV21ET400

Under the Guidance of

Prof. FAIZ MOHAMMAD KAROBARI

Asst. Professor, ETE

Sir MVIT, Bengaluru



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU – 562157

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU - 562 157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Project Work Phase II [18TEP83] entitled “WIRELESS ENERGY TRANSFER ON ROAD FOR ELECTRICAL VEHICLES” is a bonafied work carried out by ANUSHA REDDY R (1MV20ET004), HARSHITHA R (1MV20ET013), SHRAVANI S (1MV20ET027), CHARITHASHREE V (1MV21ET400) 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 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.

Signature of the Guide

Prof. Faiz Mohammad Karobari
Asst. Professor, ETE
Sir MVIT, Bengaluru

Signature of HOD

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

PRINCIPAL

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

Signature of Principal

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

Name of Examiner

1. Dr. E. KAVITHA
2. Dr. Raghunandan. G. H

Signature with Date

1. Dr. E. K. 27/05/24
2. Dr. R. 27/5/24



ವಿಶ್ವವರಾಜ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

PROJECT REPORT
(18TEP83)

On

“Colour Sensing Robot with Matlab”

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

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
for the Academic year 2023-2024

Report Submitted by:

ANUBHUTI SINHA	1MV20ET003
PRIYANSHU SAHAY	1MV20ET021
SHASHWAT KUMAR	1MV20ET026
VK SREE LAKSHMI	1MV20ET033

Under the guidance of:

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



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU – 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevrayanagar, Hunasamaranahalli Bangalore-562157

(Affiliated to Visvesvaraya Technological University, Belgaavi)


DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2023-2024

CERTIFICATE

Certified that the Project Work [18TEP83] entitled “**COLOUR SENSING ROBOT WITH MATLAB**” is a bonafied work carried out by **ANUBHUTI SINHA (1MV20ET003), PRIYANSHU SAHAY (1MV20ET021), SHASHWAT KUMAR (1MV20ET026) and VK SREE LAKSHMI (1MV20ET033)** 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 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.


.....

Signature of Guide

Dr. E. Kavitha

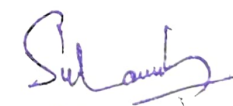
Prof. & Head of Dept, ETE
Sir MVIT Bangalore


.....

Signature of HOD

Dr. E. Kavitha

Prof. & Head of Dept, ETE
Sir MVIT Bangalore


PRINCIPAL
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Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157

Signature of Principal

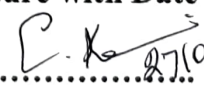

Prof. Rakesh SG

Principal
Sir MVIT

Name of Examiner

1. Dr. E. KAVITHA
2. Dr. Raghunandan. G.H

Signature with Date

1.  27/05/24
2.  25/05/24



ವಿಶ್ವವರಾಜ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

“Twitter Sentiment Analysis during COVID-19 Lockdown in USA”

Undertaken at



Submitted in partial fulfillment of the requirement for the award of the *Degree*

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

For the Academic year 2023-2024

Report Submitted by:

Name: ABHINAV KUMAR

USN: 1MV20ET001

UNDER THE GUIDANCE OF

Internal Guide

Dr. E Kavitha
Prof. & Head, ETE
Sir MVIT, Bangalore

External guide

Ms. Spoorthi H.C.
Director
Varcons technologies Pvt Ltd.



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU - 562157

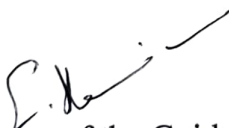
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY





DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

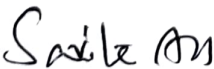
Certified that the INTERNSHIP REPORT on “Twitter Sentiment Analysis during COVID-19 Lockdown in USA” regarding the internship undertaken at “Varcons technologies pvt ltd.” is prepared by ABHINAV KUMAR(1MV20ET001), a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfillment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide
Dr. E Kavitha
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore




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


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, Bangalore

NAME OF THE EXAMINERS

1. 
2. Prathiba . N

SIGNATURE WITH DATE


 29/5/24

COMPANY CERTIFICATE



Varcons Technologies Pvt Ltd

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Certificate of Internship

This is to certify that **Abhinav Kumar** whose USN is **1MV20ET001**, has completed their **Machine Learning With Python (Research Based)** Internship organised and handled by **Varcons Technologies Pvt. Ltd.** from **13th August 2023** to **20th September 2023**.

The person to whom this certificate is addressed has worked on a project titled **Sentiment Analysis Of Lockdown In USA During Covid-19: A Case Study**. 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 internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and were able to complete the project successfully on time.

To verify this certificate, [click here](#)



Varcons Technologies Pvt. Ltd

www.varconstech.com

contact@varconstech.com

18 M G Road, Ulsoor, Bangalore-560001

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANASANGAMA, BELAGAVI – 590 018



INTERNSHIP REPORT

(18TE185)

ON

“CUSTOMISED OUTFIT”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

ADELINE SHEETAL PINTO

1MV20ET002

Internship carried out at

**Varcons Technologies Pvt Ltd
BENGALURU - 560001**

Internal Guide:

Dr. E. Kavitha,

Professor & Head of Dept,

Dept. of ETE, Sir MVIT

Bengaluru – 562157

External Guide:

Ms. Spoorthi C,

Director,

Varcons Technologies

Bengaluru - 560001



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING**



CERTIFICATE

This is to certify that **ADELINE SHEETAL PINTO (1MV20ET002)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **Varcons Technologies Pvt Ltd** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

Signature of the Guide
Dr. E. Kavitha
Professor & Head
Dept of ETE

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

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsar, Bengaluru-562157
International Airport Road, Bengaluru-562157

Signature of Principal
Dr. Rakesh S G
Principal
Sir MVIT, Bengaluru

External Viva

Name of the Examiners

1. Sailesh A. H.

2. Prathiba N.

Signature with Date

29/5/24

OFFER LETTER

CERTIFICATE



Varcons Technologies Pvt Ltd

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CERTIFICATE OF INTERNSHIP

This is to certify that **Adeline Sheetal Pinto** whose USN is **1MV20ET002**, has completed their **Full Stack Web Development** Internship organised and handled by **Varcons Technologies Pvt. Ltd** from **13th August, 2023** to **22nd September, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **"Customised Outfit 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](#) 



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www.varconstech.com

contact@varconstech.com

This certificate was generated using [CERTIFY.COM](https://certify.com)



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT
(18TE185)

“SMART PARKING SYSTEM USING IoT”

Undertaken at

VARCONS TECHNOLOGIES, BENGALURU

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
for the Academic year 2023-2024

Report Submitted by:

Name: ANUBHUTI SINHA

USN: 1MV20ET003

Under the guidance of:

Internal Guide

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

External guide

Spoorthi H. C.
Director
Varcons Technology



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU – 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevrayanagar, Hunasamaranahalli Bangalore-562157

(Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2023-2024

CERTIFICATE

Certified that the Internship report on “SMART PARKING SYSTEM USING IoT” regarding the Internship undertaken at “VARCONS TECHNOLOGIES, BANGLORE” is prepared by ANUBHUTI SINHA (1MV20ET003) a bona fide student of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY.

The report is impartial fulfillment of the requirements for award of degree of “Bachelors of Engineering” in **ELECTRONICS AND TELECOMMUNICATION ENGINEERING** from 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 submitted to the Department. The internship report has been approved as it satisfies the academic requirements in respect to the work prescribed for the said Degree.


Dr E. Kavitha

Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore


Dr E. Kavitha

Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore


PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

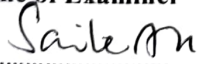
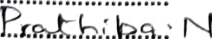
Krishnadevrayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562157

Prof. Rakesh S.G.


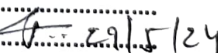
Principal

Sir MVIT, Bangalore

Name of Examiner

1. 
2. 

Signature with Date

1. 
2.  29/5/24

INTERNSHIP COMPLETION LETTER



Varcons Technologies Pvt Ltd

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CERTIFICATE OF INTERNSHIP

This is to certify that **Anubhuti Sinha** whose USN is **1MV20ET003**, has completed their **Embedded Systems** Internship organised and handled by **Varcons Technologies** from **13th August, 2023** to **20th September, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Smart Parking System using IoT**. 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

www.varconstech.com

contact@varconstech.com

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

[18TE185]

On

“PCB DESIGN PROCESS”

Undertaken at

UTTHUNGA ENGINEERING TRANSFORMATION

Submitted in partial fulfilment, of the requirement for the award of the Degree

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: ANUSHA REDDY R

USN : 1MV20ET004

UNDER THE GUIDANCE OF

Internal Guide

Mr. Faiz Mohammad Karobari

Asst. Professor, ETE

Sir MVIT, Bangalore

External guide

Aswin S Dharman

Hardware Engineer,



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION &
ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY


HUNASAMARANAHALLI, BENGALURU - 562157





SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING YEAR 2023-2024

CERTIFICATE

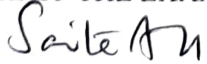
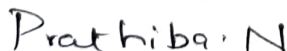
Certified that the INTERNSHIP REPORT on “PCB DESIGNING” regarding the internship undertaken at “UTTHUNGA ENGINEERING TRANSFORMATION” is prepared by **ANUSHA REDDY R [1MV20ET004]**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the Visvesvaraya Technological University, Belgaum, Karnataka State, India, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide
Prof. Faiz Mohammad Karobari
Asst. Professor, ETE
Sir MVIT, Bangalore


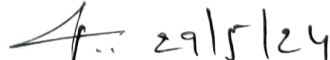

Signature of HOD
Dr. Kavitha E
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore


PRINCIPAL
Signature of Principal
Prof. Rakesh S G
Sir M. Visvesvaraya Institute of Technology
Krishna Nagar, 1st Mile, Hosur Road, Bangalore-562 157
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. 
2. 

SIGNATURE WITH DATE



29/5/24

COMPANY CERTIFICATE



Date: 22nd September 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Anusha Reddy R**, has successfully completed a 1 Month internship program from **14th-Aug-2023 to 14th-Sep-2023** at Utthunga Technologies Pvt. Ltd.

During this period of her internship program, she was found to be inquisitive and hardworking. she has shown willingness to learn and put her best efforts to get into the project to understand the requirements and implement the same.

We wish her all the best in his future endeavors.

A handwritten signature in black ink, appearing to be 'S. R.', is written over a circular stamp.

Human Resources
Utthunga Technologies Private Limited



Utthunga Technologies Pvt Ltd
No. 8, 27th Cross, Banashankari
2nd Stage, Bangalore - 560070
Phone: +91-80-68151900



ವಿಶ್ವವರಾಜ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

“Embedded System and IOT”

Undertaken at

Take It Smart (OPC) Pvt Ltd

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: Bharath Hugar

USN: 1MV20ET005

UNDER THE GUIDANCE OF

Internal Guide

Mrs. Swetha B M
Asst. Professor, ETE
Sir MVIT, Bangalore

External guide

Mr. Mallikarjun Kumbar
The Director,
Take It Smart Pvt Ltd



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY


SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

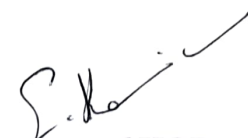



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2021-2022

CERTIFICATE

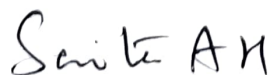

Certified that the INTERNSHIP REPORT on “**Embedded System And IOT**” regarding the internship undertaken at “**Take It Smart Pvt Ltd**” is prepared by **Bharath Hugar(1MV20ET005)**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide
Mrs. Swetha B M
Asst. Professor, ETE
Sir MVIT, Bangalore


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


Signature of Principal
Prof. Rakesh S G
Principal
Sir MVIT, Bangalore

Name of the Examiners

1.  Santhosh A N
2.  Prathiba N

Signature with date


 29/5/24

COMPANY CERTIFICATE



Take It Smart (OPC) PVT LTD

"Recognized by the Government of India's Startup India Initiative"

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

BHARATHKUMAR HUGAR

Student of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Has completed Internship in EMBEDDED SYSTEM AND IOT

From 14th AUGUST 2023 TO 9th SEPTEMBER 2023

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.



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Vijayanagar, Bengaluru 8050104212 / 8792697647 takeitsmart.in



Mallikarjun Kumbhar
Director



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

“FULL STACK WEB DEVELOPMENT”

Undertaken at

TAKE IT SMART(OPC) PVT LTD

Submitted in partial fulfillment of the requirement for the award of the *Degree*.

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: Bhyresh CR

USN:1MV20ET006

UNDER THE GUIDANCE OF

Internal Guide

Mrs. Savita A Harkude
Assoc. Professor, ETE
Sir MVIT, Bangalore

External guide

Mallikarjun kumbar
Co-founder
Take it smart pvt lmt



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on “**Full stack web development**” regarding the internship undertaken at “**Take It Smart(opc) pvt ltd**” is prepared by **Bhyresh CR 1MV20ET006**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Signature of the Guide

Mrs. Savita A Harkude
Assoc. Professor, ETE
Sir MVIT, Bangalore

Signature of HOD

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

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
Internal Audit No. F-001, Bangalore-562 157

Signature of Principal

Dr. Rakesh SG
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. Saite. A. H
2. Prathiba. N

SIGNATURE WITH DATE

29/5/24

COMPANY CERTIFICATE



TAKE IT SMART

Take It Smart (OPC) PVT LTD

"Recognized by the Government of India's Startup India Initiative"

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

BHYRESH CR

Student of **SIR M VISHWESHWARAIYA INSTITUTE OF TECHNOLOGY**

Has completed Internship in **FULL STACK WEB DEVELOPMENT**

From **14th AUGUST 2023 TO 9th SEPTEMBER 2023**

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.



WEME
WORK, EDUCATION, ENTREPRENEURSHIP, AND EMPLOYMENT

#startupindia



Mallikarjun Kumbhar

Director

Vijayanagar, Bengaluru ☎ 8050104212 / 8792697647 🌐 takeitsmart.in



ವಿಜ್ಞಾನ ಶಿಕ್ಷಣ ಕೇಂದ್ರ
VSVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

“Embedded System and IOT”

Undertaken at

Take It Smart (OPC) Pvt Ltd

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

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: Chandu M

USN: 1MV20ET007

UNDER THE GUIDANCE OF

Internal Guide

Mrs. Swetha B M

Asst. Professor, ETE

Sir MVIT, Bangalore

External guide

Mr. Mallikarjun Kumbhar

The Director,

Take It Smart Pvt Ltd



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

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2021-2022

CERTIFICATE

Certified that the INTERNSHIP REPORT on “**Embedded System And IOT**” regarding the internship undertaken at “**Take It Smart Pvt Ltd**” is prepared by **Chandu M (1MV20ET007)**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Signature of the Guide
Mrs. Swetha B M
Asst. Professor, ETE
Sir MVIT, Bangalore

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

Signature of Principal
Prof. Rakesh S. G.
Principal
Sir MVIT, Bangalore

Name of the Examiners

1. Sailesh A N
2. Prathiba N

Signature with date

29/5/24

COMPANY CERTIFICATE



Take It Smart (OPC) PVT LTD

"Recognized by the Government of India's Startup India Initiative"

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

CHANDU M

Student of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Has completed Internship in EMBEDDED SYSTEM AND IOT

From 14th AUGUST 2023 TO 9th SEPTEMBER 2023

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.



#startupindia



Mallikarjun Kumbhar
Director

Vijayanagar, Bengaluru | 8050104212 / 8792697647 | takeitsmart.in



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

On

“PRINTED CIRCUIT BOARDS ASSEMBLY AND FABRICATION”

Undertaken at

INDIC ESM ELECTRONICS PVT. LTD.

Submitted in partial fulfillment of the requirement for the award of the *Degree*

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

For the Academic year 2023-2024

Report Submitted by:

Name: CHARAN B

USN:1MV20ET008

UNDER THE GUIDANCE OF

Internal Guide

MRS. SAVITA A. HARKUDE

Asst. Professor, ETE

Sir MVIT, Bangalore

External guide

Name: Umesh Gouda A H

Designation: HR



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING SIR
M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on “**PRINTED CIRCUIT BOARD ASSEMBLY AND FABRICATION**” regarding the internship undertaken at “**INDIC EMS ELECTRONICS PVT. LTD.**” is prepared by **CHARAN B** bearing **USN 1MV20ET008**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Signature of the Guide

MRS. SAVITA A. HARKUDE
Asst. Professor, ETE
Sir MVIT, Bangalore

Signature of HOD

Mrs. Dr E. Kavita
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Road, Basavanagudi, Bangalore-562 157
International Airport Road, Bangalore-562 157

Signature of Principal

Prof. Rakesh S G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. Saitan
2. Prathiba N

SIGNATURE

COMPANY CERTIFICATE



Ref. IND/CER/2023

Date: 28th Aug'2023

CERTIFICATE

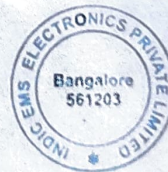
This is to certify that **Mr. Charan B** bearing (1MV20ET008) student of 3rd year, 5th Sem Bachelor of Engineering at **Sir M. Vishveshvaraya Institute of Technology College**, has successfully completed Internship From 11th August to 10th September 2023, report on '**Printed Circuit Board Assembly and Fabrication**' in our organisation, under the guidance of Mr. Umesh Gouda A H, DGM-HR, INDIC EMS Electronics Pvt. LTD.,

During the period of Internship, she was keen, hardworking and displayed good conduct and character.

The management wishes all success for her future endeavour.

For INDIC EMS ELECTRONICS PVT. LTD.,


Authorized Signature



INDIC EMS ELECTRONICS PVT. LTD.,

Plot No. 37, KIADB Industrial Area, Doddaballapur, Bangalore - 561 203, India
Tel. : +91 80 27630603 / 04 / 05 • Fax : +91 80 27630606 • Website : www.indicelectronics.com
PAN : AABC17156H CIN : U32109KA2007PTC043071



ISO 9001:2015 & IATF 16949:2016 Certified Company



ವಿಶ್ವವರಾಜ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ - ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

"EMBEDDED SYSTEM AND IOT"

Undertaken at

TAKE IT SMART (OPC) PVT.LTD

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: CHAYA N
USN: 1MV20ET009

Under the Guidance of

Internal Guide

MRS. SANDHYA. B. S.
Asst. Professor, ETE
Sir MVIT, Bangalore

External guide

Mr. Mallikarjun Kumbar
Designation: Director
Take It Smart (OPC)Pvt. Ltd



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION &
ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI. BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2021-2022

CERTIFICATE

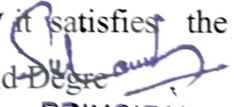
Certified that the INTERNSHIP REPORT on “Embedded Systems And IOT” regarding the internship undertaken at “Take It Smart (OPC) Pvt. Ltd” is prepared by **CHAYA N, 1MV20ET009** a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “Bachelor of Engineering” in Electronics and Telecommunication Engineering from the Visvesvaraya Technological University, Belgaum, Karnataka State, India, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide

MRS. SANDHYA. B. S.
Asst. Professor, ETE
Sir MVIT, Bangalore


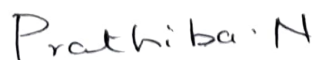

Signature of HOD

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



Signature of Principal

DR. RAKESH S G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. 
2. 

SIGNATURE WITH DATE


29/5/24

COMPANY CERTIFICATE



Take It Smart (OPC) PVT LTD

"Recognized by the Government of India's Startup India Initiative"

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

CHAYA N

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

Has completed Internship in **EMBEDDED SYSTEM AND IOT**

From **14th AUGUST 2023 TO 9th SEPTEMBER 2023**

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.



MSME
Micro, Small & Medium Enterprises
Promoting Growth & Employment

#startupindia

Vijayanagar, Bengaluru 8050104212 / 8792697647 takeltsmart.in



Mallikarjun Kumbar
Director



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

"EMBEDDED SYSTEM AND IOT"

Undertaken at

TAKE IT SMART (OPC) PVT.LTD

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: CHETHAN M T

USN: 1MV20ET010

Under the Guidance of

Internal Guide

MRS. SAVITA A. HARKUDE

Asst. Professor, ETE

Sir MVIT, Bangalore

External guide

Mr. Mallikarjun Kumbar

Designation: Director

Take It Smart (OPC) Pvt. Ltd



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION &
ENGINEERING SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2021-2022

CERTIFICATE


Certified that the INTERNSHIP REPORT on “**Embedded Systems And IOT**” regarding the internship undertaken at “**Take It Smart (OPC) Pvt. Ltd**” is prepared by **CHETHAN M T, 1MV20ET010** a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree


Signature of the Guide

MRS. SAVITA A. HARKUDE
Asst. Professor, ETE
Sir MVIT, Bangalore

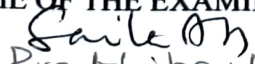


Signature of HOD

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



Signature of Principal
Principal
Sir MVIT, Bangalore

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

NAME OF THE EXAMINERS

1. 
2. 
Dept. of ETE

SIGNATURE WITH DATE


4.09/5/24

COMPANY CERTIFICATE



Take It Smart (OPC) PVT LTD

"Recognized by the Government of India's Startup India Initiative"

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

CHETHAN M T

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

Has completed Internship in **EMBEDDED SYSTEM AND IOT**

From **14th AUGUST 2023 TO 9th SEPTEMBER 2023**

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.



#startupindia

Vijayanagar, Bengaluru 8050104212 / 8792697647 takeitsmart.in



Mallikarjun Kumbar
Director



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

INTERNSHIP REPORT

(18TE185)

on

“TELECOMMUNICATION NETWORKS”

Undertaken at

BHARAT SANCHAR NIGAM LIMITED

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

**BACHELOR OF ENGINEERING IN ELECTRONICS AND
TELECOMMUNICATION ENGINEERING**

For the Academic Year 2023-24

Report Submitted by:

NAME: HARSH KUMAR VERMA

USN: 1MV20ET012

UNDER THE GUIDANCE OF

Internal Guide

Dr. E. Kavitha
Prof. & Head, ETE
Sir MVIT, Bangalore

External Guide

Mr. Sanjay Kumar
Sub-Divisional Officer
BSNL, Patna



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

Year 2023-2024


SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY

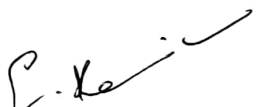


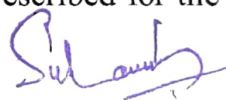
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE


Certified that the INTERNSHIP REPORT on “TELECOMMUNICATION NETWORKS” regarding the internship undertaken at “**BHARAT SANCHAR NIGAM LIMITED**” is prepared by **HARSH KUMAR VERMA(1MV20ET012)**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “Bachelor of Engineering” in **Electronics and Telecommunication Engineering from the Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide
Dr. E. Kavitha
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore




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


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Signature of Principal
Prof. Rakesh S. G.
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. 
.....
2. **P. RATHIBAN**
BMSITGM

SIGNATURE WITH DATE

 29/05/24
 29/5/24

COMPANY CERTIFICATE



भारत संचार निगम लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT SANCHAR NIGAM LIMITED

(A Govt. of India Enterprises)

Training Cell O/o The Principal General Manager, Patna Telecom District, Patna.

No.: PTD/ Vocational Training/ Cert/ 2023-24/38 Date: 18.09.2023

This is to certify that Mr./Ms HARSH KUMAR VERMA

S/o D/o/ Sri/ Smt VIJAY KUMAR VERMA

Student of (College) SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BANGALORE has Successfully undergone 02 (Two) /04 (Four) /06 (Six) Weeks

in-plant Vocational Training for B.E (E.T.E) Student w.e.f 18.08.2023.

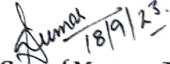
at BSNL Patna Telecom District, Patna.

Wishing every success in your career

For any query contact : Training cell, Patna Telephones.

Ph: 0612-2506096, 2506575

Email : cmsalesptd@gmail.com


Asst. General Manager (Mktg.)
O/o The PGMTD, Patna



ವಿಶ್ವವರಾಹು ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

On

“PRINTED CIRCUIT BOARDS ASSEMBLY AND FABRICATION”

Undertaken at

INDIC ESM ELECTRONICS PVT. LTD.

Submitted in partial fulfillment of the requirement for the award of the *Degree*

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

For the Academic year 2023-2024

Report Submitted by:

NAME: HARSHITHA R

USN: 1MV20ET013

UNDER THE GUIDANCE OF
Mr Faiz Mohammad Karobari
Asst. Professor, ETE

Internal Guide

Mr Faiz Mohammad Karobari
Asst. Professor, ETE
Sir MVIT, Bangalore

External guide

Name:
Designation:



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION &
ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY




DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

CERTIFICATE


Certified that the INTERNSHIP REPORT on “**PRINTED CIRCUIT BOARD ASSEMBLY AND FABRICATION** ” regarding the internship undertaken at “**INDIC EMS ELECTRONICS PVT. LTD.** ” is prepared by **HARSHITHA R** bearing USN **1MV20ET013** , a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide

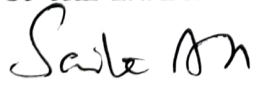
Mr. Faiz Mohammad Karobari
Asst. Professor, ETE
Sir MVIT, Bangalore


Signature of HOD

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


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krisbigal Road, H. M. Nagar, Bellary
International Airport Road, Bangalore-562157
Signature of Principal
Prof. Rakesh S G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. 
2. Prathiba N


49/5/24

COMPANY CERTIFICATE



Ref. IND/CER/2023

Date: 28th Aug'2023

CERTIFICATE

This is to certify that Ms. Harshita R bearing (1MV20ET013) student of 3rd year, 5th Sem Bachelor of Engineering at Sir M. Vishveshvaraya Institute of Technology College, has successfully completed Internship From 11th August to 10th September 2023, report on 'Printed Circuit Board Assembly and Fabrication' in our organisation, under the guidance of Mr. Umesh Gouda A H, DGM-HR, INDIC EMS Electronics Pvt. LTD.,

During the period of Internship, she was keen, hardworking and displayed good conduct and character.

The management wishes all success for her future endeavour.

For INDIC EMS ELECTRONICS PVT. LTD.,



Authorized Signature



INDIC EMS ELECTRONICS PVT. LTD.,

Plot No. 37, KIADB Industrial Area, Doddaballapur, Bangalore - 561 203, India
Tel : +91 80 27630603 / 04 / 05 • Fax : +91 80 27630606 • Website : www.indicelectronics.com
PAN : AABC17156H CIN : U32109KA2007PTC043071



ISO 9001:2015 & IATF 16949:2016 Certified Company



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

“ADVANCE DEFENCE SYSTEM-NAVY”

Undertaken at

BHARAT ELECTRONICS LIMITED (BEL)

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Jayalakshmi G
(1MV20ET014)

UNDER THE GUIDANCE OF

Internal Guide

Ms.AKILA.P

Asst. Professor, ETE

Sir MVIT, Bangalore

External guide

Mrs.KAMALSINGLACHAR

Designation

The Sparks Foundation



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION &
ENGINEERING SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALI, BENGALURU - 562157**


SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING YEAR 2021-2022

CERTIFICATE


Certified that the INTERNSHIP REPORT on “ADVANCE DEFENCE SYSTEM-NAVY” regarding the internship undertaken at “BHARAT ELECTRONICS LIMITED (BEL)” is prepared by JAYALAKSHMI G (1MV20ET014), a bonafide student of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY. The report is in partial fulfilment of the requirements for the award of the degree of “Bachelor of Engineering” in Electronics and Telecommunication Engineering from the Visvesvaraya Technological University, Belgaum, Karnataka State, India, during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide

Ms. AKILA.P
Asst. Professor, ETE
Sir MVIT, Bangalore


Signature of HOD

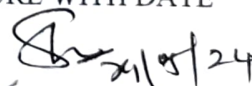

Dr. E. KAVITHA
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krisbnadevarayana Nagar, Hunsur, Samarahalli
International Airport Road, Bangalore-562 157
Principal
Sir MVIT, Bangalore

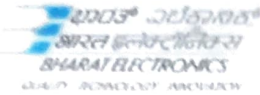
NAME OF THE EXAMINERS

1. Santhya
2. Prof. PRATHIBAN

SIGNATURE WITH DATE

 24/5/24
 29/5/24

COMPANY CERTIFICATE



Skill India

वीरशाला भारत - कुशल भारत

BHARAT ELECTRONICS LIMITED

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

CENTRE FOR LEARNING AND DEVELOPMENT

Certificate

This is to certify that

Sri./Smt/Kum. JAYALAKSHMI G.
Ref No. 1410 / CLD / HR / 2023-24 / 27 / 645
student of ... SIR. M. VISVESVARAYA INSTITUTE
OF TECHNOLOGY, BANGALORE
carried out Project Work/Internship on ... AN
OVERVIEW OF ORGANISATION
STUDY
in ADVANCE DEFENCE SYSTEM - NAVY
SBU/CSG of BEL, Bengaluru from ... 06TH SEP. 2023
to ... 03RD OCT. 2023.

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

Project / Internship Guide
Date : 04.10.2023
Place : Bengaluru

ARCHANA GIRISH
BC E 212516
MANAGER, HR/CSG, ES & C-QA

सुजाता फ्रांसिस

Head (HR/CLD)

सुजाता फ्रांसिस / SUJATHA FRANCIS
HEAD (HR / CLD)
MANAGER (HR/CLD)
Bharat Electronics Limited
Bengaluru - 560 013

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590 018



INTERNSHIP REPORT
ON
“SYSTEM ON CHIP DESIGN”

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

BACHELOR OF ENGINEERING
in
ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

MANMOHAN SINGH
1MV20ET015

Internship carried out at

PDIC, Bharat Electronics Limited
BENGALURU - 560013

Internal Guide:

Dr. E. Kavitha,
Professor & Head of Dept,
Dept. of ETE, Sir MVIT
Bengaluru - 562157



External Guide:

Ms. Payal Thakur,
Member Research Staff,
PDIC, BEL
Bengaluru - 560013



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157
2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that **MANMOHAN SINGH(IMV20ET015)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **PDIC, BEL** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

Signature of the Guide

Dr. E. Kavitha

Professor & Head

Dept of ETE

Signature of HOD

Dr. E. Kavitha

Professor & Head

Dept of ETE

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsur, Bengaluru-562157
International Education Road, Bengaluru-562157

Signature of Principal

Dr. Rakesh S G

Principal

Sir MVIT, Bengaluru

External Viva

Name of the Examiners

1. **Savitri A n**

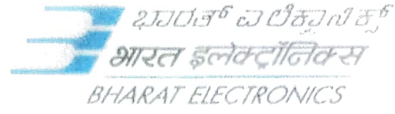
2. **Prof. PRATHIBAN**

Signature with Date

29/5/24

29/5/24

CERTIFICATE FROM THE INSTITUTION



भारत इलेक्ट्रॉनिक्स लिमिटेड
(भारत सरकार का उद्यम, रक्षा मंत्रालय)
उत्पाद विकास एवं नवोन्मेष केंद्र
जालहल्ली पोस्ट, बेंगलूरु-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-385 /2023-24

दिनांक/Date: 23.09.2023

प्रमाण-पत्र

CERTIFICATE

This is to certify that **Mr. Manmohan Singh**, student of Sir M Visvesvaraya Institute of Technology, Bengaluru has undergone Internship in **System on Chip** Division of Product Development & Innovation Centre (PDIC) of BEL from 24.08.2023 to 23.09.2023.

He was regular, punctual and his conduct was Excellent during the period.

H S Raghava
प्रबंधक (मा सं/उ सि न के)

Manager (HR/ PDIC)

23/9/23

राघव एच. एस. / RAGHAVA H.S.

स्टाफ नं / STAFF No. 212487

प्रबंधक / MANAGER

मा. सं (पीडीआईसी) / HR (PDIC)

पंजीकृत एवं कार्यालय : नागावारा, आउटर रिंग रोड, बेंगलूरु - 560 045, भारत
Reg. & Corporate Office : Nagavara, Outer Ring Road, Bengaluru - 560 045, India
सी आई एन / CIN : L32309KA1954GOI000787
आई एस ओ / ISO 9001 and 14001 प्रमाणित कंपनी / Certified Company



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

“Twitter Sentiment Analysis during COVID-19 Lockdown in USA”

Undertaken at



Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: NIKITA BANTHIA

USN: 1MV20ET017

UNDER THE GUIDANCE OF

Internal Guide

Dr. E Kavitha
Prof. & Head, ETE
Sir MVIT, Bangalore

External guide

Ms. Spoorthi H.C.
Director
Varcons technologies Pvt Ltd.



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on "Twitter Sentiment Analysis during COVID-19 Lockdown in USA" regarding the internship undertaken at "Varcons technologies pvt ltd." is prepared by NIKITA BANTHIA(1MV20ET017), a bonafide student of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY. The report is in partial fulfillment of the requirements for the award of the degree of "Bachelor of Engineering" in Electronics and Telecommunication Engineering from the Visvesvaraya Technological University, Belgaum, Karnataka State, India, during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Signature of the Guide

Dr. E Kavitha

Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore

Signature of HOD

Dr. E Kavitha

Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore

Signature of Principal
PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranghalli
International Road, Bangalore-562157

Prof. Rakesh S.G.

Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. Saila A N.
2. Prathiba N

SIGNATURE WITH DATE

Signature: [Signature]
Date: 29/5/24

COMPANY CERTIFICATE



Varcons Technologies Pvt Ltd

Communicate. Collaborate. Create

Certificate of Internship

This is to certify that **Nikita Banthia** whose USN is **1MV20ET017**, has completed their **Machine Learning With Python (Research Based)** Internship organised and handled by **Varcons Technologies Pvt. Ltd.** from **13th August 2023** to **20th September 2023**.

The person to whom this certificate is addressed has worked on a project titled **Sentiment Analysis Of Lockdown In USA During Covid-19: A Case Study**. 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 internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and were able to complete the project successfully on time.

To verify this certificate, [click here](#)



Varcons Technologies Pvt. Ltd

www.varconstech.com

contact@varconstech.com

18 M G Road, Ulsoor, Bangalore-560001



ವಿಶ್ವವರಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

"WHEEL AND AXLE MANUFACTURING AT RWF"

Undertaken at

RAIL WHEEL FACTORY

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

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Nivedhitha K R

1MV20ET019

UNDER THE GUIDANCE OF

Internal Guide

Mrs. Sandhya B.S
Asst. Professor, ETE
Sir MVIT, Bangalore

External guide

L.Vijay Kumar
SSE/TTC
Rail Wheel Factory



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING YEAR 2023-24

CERTIFICATE

Certified that the INTERNSHIP REPORT on “WHEEL AND AXLE MANUFACTURING AT RWF” regarding the internship undertaken at “RAIL WHEEL FACTORY” is prepared by **NIVEDHITHA K R (IMV20ET019)**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Sandhya B. S.

Signature of the Guide
Mrs. Sandhya B S
Asst. Professor, ETE
Sir MVIT, Bangalore

E. Kavitha

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

Sul

PRINCIPAL
Signature of Principal
Prof. Rakesh S.G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. *Sanku A H*
2. *Prof. PRATHIBAN*

SIGNATURE WITH DATE

Sanku A H 29/05/24
Prof. PRATHIBAN 29/05/24

COMPANY CERTIFICATE



रेल पहिया कारखाना RAIL WHEEL FACTORY

भारत सरकार / Govt. of India
भारतीय रेल / Ministry of Railway

महा प्रबंधक का कार्यालय,
कार्मिका, विभाग
यलहंका, बेंगलूरु- 560 064
General Manager's Office,
Personnel Department
Yelahanka, Bangalore- 560 064.

NO.RWF/NG-16/348/Pt II

DATE: 19.09.2023

CERTIFICATE

This is to certify that **Ms NIVEDHITHA K R, (IMV20ET019)**, B.E (Electronics and Telecommunication Engineering) Student of M Visvesvaraya Institute of Technology has done Internship on "**Rail Wheel and Axle Manufacturing at RWF**" in Rail Wheel Factory for a period of 1 month i.e., from 16th August 2023 to 16th September 2023.

The student has shown keen interest in learning during the period she was with us for the Internship. We found her Enthusiastic, Diligent, Hard Working and Creative.

We wish a bright future and success in all her endeavors.

K.S. Kiran
(K.S.KIRAN)

ASST. PERSONNEL OFFICER - I



ವಿಶ್ವವರಾಹ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

“ADVANCE DEFENCE SYSTEM-NAVY”

Undertaken at

BHARAT ELECTRONICS LIMITED (BEL)

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

POOJA.R

1MV20ET020

UNDER THE GUIDANCE OF

Internal Guide

Ms. AKILA.P

Asst. Professor, ETE

Sir MVIT, Bangalore

External guide

Mrs. KAMAL SINGLACHAR

Designation

Bharat Electronics Limited



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION &
ENGINEERING**
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on “ADVANCE DEFENCE SYSTEM-NAVY” regarding the internship undertaken at “BHARAT ELECTRONICS LIMITED (BEL)” is prepared by POOJA.R (1MV20ET020), a bonafide student of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY. The report is in partial fulfilment of the requirements for the award of the degree of “Bachelor of Engineering” in Electronics and Telecommunication Engineering from the Visvesvaraya Technological University, Belgaum, Karnataka State, India, during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Signature of the Guide

Ms. AKILA.P

Asst. Professor, ETE
Sir MVIT, Bangalore

Signature of HOD

Dr. E. KAVITHA

Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Signature of Principal
Prof. RAKESH.S. G
Principal
Sir MVIT, Bangalore

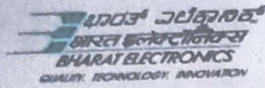
NAME OF THE EXAMINERS

1. Savita.A.H
2. Prof. PRATHIBAN

SIGNATURE WITH DATE

29/5/24
29/5/24

COMPANY CERTIFICATE



BHARAT ELECTRONICS LIMITED

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

CENTRE FOR LEARNING AND DEVELOPMENT

Certificate

This is to certify that

Sri./Smt/Kum **POOJA . R**
Ref No. **1410/CLD/HR/2023-24/27/644**
student of... **SIR M. VISVESVARAYA INSTITUTE**
..... **OF TECHNOLOGY BANGALORE**
carried out **Project Work/Internship on** ... **AN**
..... **OVERVIEW OF ORGANISATION**
..... **STUDY**
in **ADVANCE DEFENCE SYSTEM - NAVY**
..... **SBU/CSG of BEL, Bengaluru from 04TH SEP 2023**
to ... **03RD OCT. 2023** ..

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

Overseer
Project / Internship **CHANDRACHANA GIRISH**
Date : **04.10.23** BC E 212516
Place : Bengaluru **MANAGER, HR/ADSN, ES & CQA**

सुजाता फ्रांसिस
Head (HR/CLD)
सुजाता फ्रांसिस / SUJATHA FRANCIS
प्रमुख (यु.ए. / सी.एल.डी.)
MANAGER (HR/CLD)
भारत इलेक्ट्रॉनिक्स लिमिटेड
BHARAT ELECTRONICS LTD.
जलहल्ली पोस्ट, बेंगलूर - 560 013



ವಿಶ್ವವರದ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT
(18TE185)

“SMART PARKING SYSTEM USING IoT”
Undertaken at

VARCONS TECHNOLOGIES, BENGALURU

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
for the Academic year 2023-2024

Report Submitted by:

Name: PRIYANSHU SAHAY
USN: 1MV20ET021

Under the guidance of:

Internal Guide

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

External guide

Spoorthi H. C.
Director
Varcons Technology



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU – 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevrayanagar, Hunasamaranahalli Bangalore-562157

(Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2023-2024

CERTIFICATE

Certified that the Internship report on “**SAMRT PARKING SYSTEM**” regarding the Internship undertaken at “**VARCONS TECHNOLOGIES, BANGLORE**” is prepared by PRIYANSHU SAHAY (1MV20ET021) a bonafide student of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfillment of the requirements for award of degree of “Bachelors of Engineering” in **ELECTRONICS AND TELECOMMUNICATION ENGINEERING** from 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 submitted to the Department. The internship report has been approved as it satisfies the academic requirements in respect to the work prescribed for the said Degree.


Internal Guide


Dr. E. Kavitha

Prof. & Head of Dept, ETE
Sir MVIT Bangalore


HOD

Dr. E. Kavitha

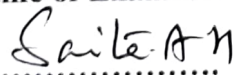
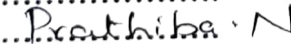
Prof. & Head of Dept, ETE
Sir MVIT Bangalore


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


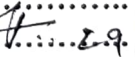
Prof. Rakesh SG

Principal
Sir MVIT Bangalore

Name of Examiner

1. 
2. 

Signature with Date

1. 
2.  29/5/24

INTERNSHIP COMPLETION LETTER



Varcons Technologies Pvt Ltd

Communicate. Collaborate. Create

CERTIFICATE OF INTERNSHIP

This is to certify that **Priyanshu Sahay** whose USN is **1MV20ET021**, has completed their **Embedded Systems** Internship organised and handled by **Varcons Technologies** from **13th August, 2023** to **20th September, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Smart Parking System using IoT**. 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](#)



213
18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com

contact@varconstech.com

This certificate was generated using [CERTIFY.COM](#)



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

“OVERVIEW OF MILITARY COMMUNICATION”

Undertaken at

BHARAT ELECTRONICS LIMITED (BEL)

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

RAMYA.V

1MV20ET022

UNDER THE GUIDANCE OF

Internal Guide

Ms. AKILA.P

Asst. Professor, ETE

Sir MVIT, Bangalore

External guide

Mrs. RAJA.S

Designation

The Sparks Foundation



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION &
ENGINEERING SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALI, BENGALURU - 562157**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING YEAR 2021-2022

CERTIFICATE


Certified that the INTERNSHIP REPORT on "OVERVIEW OF MILITARY COMMUNICATION" regarding the internship undertaken at "BHARAT ELECTRONICS LIMITED (BEL)" is prepared by RAMYA V (1MV20ET020), a bonafide student of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY. The report is in partial fulfilment of the requirements for the award of the degree of "Bachelor of Engineering" in Electronics and Telecommunication Engineering from the Visvesvaraya Technological University, Belgaum, Karnataka State, India, during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide

Ms. AKILA.P
Asst. Professor, ETE
Sir MVIT, Bangalore


Signature of HOD



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


Signature of Principal
Prof. RAKESH.S. G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. Santhi A H
2. Prof. PRATHIBAN

SIGNATURE WITH DATE

 29/5/24
 29/5/24

COMPANY CERTIFICATE

	 Skill India असतो मा सद्गमय
BHARAT ELECTRONICS LIMITED (A Govt. of India Enterprise, Ministry of Defence) Jalahalli Post, Bengaluru - 560 013, India	
CENTRE FOR LEARNING AND DEVELOPMENT	
Certificate	
This is to certify that	
Sri./Smt/Kum	RANYA . V
Ref No.	1410 / CLD / HR / 2023 - 24 / 27 / 600
student of	SIR . N . VISVESVARAYA INSTITUTE OF TECHNOLOGY , BANGALORE
carried out Project Work/Internship on OVERVIEW OF BUSINESS UNIT WITH NETWORK CENTRIC SYSTEM & STUDY OF MILITARY EQUIPMENTS in MILITARY COMMUNICATION	
SBU/CSG of BEL, Bengaluru from 28-08-2023 to 27-09-2023	
He/She was regular and punctual in his/her attendance and his/her conduct was satisfactory during the period.	
K. Shrinidhi Project / Internship Guide	27-09-2023 Head (HR/CLD)
Date - 27/09/23 Place Bengaluru	<small>MANAGER, HR/CLD BENGALURU BHEL LTD.</small>



ವಿಶ್ವವಿದ್ಯಾರಣ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

“DIGITAL DECADE RESISTANCE BOX”

Undertaken at

4SEMI TECHNOLOGY INDIA PVT LTD

Submitted in partial fulfillment of the requirement for the award of the *Degree*

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

For the Academic year 2023-2024

Report Submitted by:

Name: SAI KIRAN D BADIGER

USN: 1MV20ET023

UNDER THE GUIDANCE OF

Internal Guide

Swetha B.M
Asst. Professor, ETE
Sir MVIT, Bangalore

External guide

Mr. Vinayaka Babu
Chief Executive officer
4Semi technology India Pvt Ltd.



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU - 562157


SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY





DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on “**DIGITAL DECADE RESISTANCE BOX**” regarding the internship undertaken at “**4SEMI TECHNOLOGY INDIA PVT LTD**” is prepared by **SAI KIRAN D BADIGER** bearing USN **1MV20ET023**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide
Swetha B.M
Asst. Professor, ETE
Sir MVIT, Bangalore


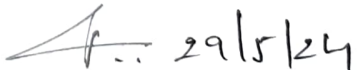

Signature of HOD
Dr. E. Kavita
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore


Signature of Principal
Prof. Rakesh S. G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. Savile A. M
2. Prof. PRATHIBAN

SIGNATURE WITH DATE

 29/5/24
 29/5/24

COMPANY CERTIFICATE



4SEMI TECHNOLOGY INDIA PVT. LTD.

3021, 4th Main Road, (Behind Mariyappa College) MKK Road, Gayathrinagar, Bangalore - 560 021.
Tel/Fax : +91 80 2352 5955 Mob : 9886021632 E-mail : sales@4semitech.com Web : www.4semitech.com

CERTIFICATE OF COMPLETION


TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Sai Kiran D Badiger**, a student of **Sir M. Visvesvaraya Institute of Technology**, USN no. [1MV20ET023], has successfully completed the Internship for 01 (ONE) month from **17/08/2023 to 17/09/2023**.

Dissertation industrial project, entitled as **"Digital Decade Resistance Box."** was commenced at **4SEMI TECHNOLOGY INDIA PVT LTD.**

During the period of his Dissertation with us he was found hardworking and inquisitive.

for 4Semi Technology India Pvt. Ltd.


Authorised Signatories

MANAGER (R&D)
MALATHY VINAYAK



VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI-590018, KARNATAKA

INTERNSHIP REPORT

ON

“Full Stack Web Development”

BACHELOR OF ENGINEERING IN

Electronics and Telecommunication Engineering

Submitted by: Samir Kumar

1MV20ET024

(Handwritten signature)

Internal Guide:

Dr E. Kavitha
Dept Of ETE

Varcons technologies

Project Manager: Dr Spoorthi HC,
Product Manager, Varcons



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

Accredited by NBA, New Delhi
KRISHNADEVARAY NAGAR, OFF INTERNATIONAL AIRPORT ROAD
HUNASAMARANHALI BENGALURU

562157

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

Accredited by NBA, New Delhi
KRISHNADEVARAY NAGAR, OFF INTERNATIONAL AIRPORT ROAD
HUNASAMARANHALLI BENGALURU

562157



CERTIFICATE

This is to certify that the Internship titled **“Making a Restaurant page using Full Stack Development”** carried out by **Mr. Samir Kumar**, a Bonafede student of Sir M. Visvesvaraya Institute of Technology. The report is in partial fulfilment of the requirements for the award of the degree of **“Bachelor of Engineering”** in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Name & Signature of Guide
Dr E. Kavitha


Name & Signature of HOD
Dr E. Kavitha

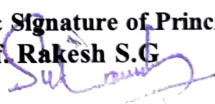

Name & Signature of Principal
Prof. Rakesh S.G.


External Viva:

Name of the Examiner

1) Saikh M

2) Prathiba N


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Bengaluru-562157
International Airport Road, Bengaluru-562157
Signature with Date


29/5/24

OFFER LETTER PROVIDED BY THE COMPANY



Internship Offer Letter

Date: 11th August, 2023

Name: **Samir Kumar**

USN: **1MV20ET024**

Placement ID: **1408AUGB3305**

Dear Student,

We would like to congratulate you on being selected for the **Full Stack Web Development** Internship position with **Varcons Technologies**, effective Start Date **11th August, 2023**,

All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of **Full Stack Web Development** through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!

Sincerely,

Spoorthi H C

Director

Varcons Technologies

213, 2nd Floor, 18 M G Road, Ulsoor,

Bangalore-560001



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

“FULL STACK WEB DEVELOPMENT”

Undertaken at

ALT DIGITAL TECHNOLOGY, SIRSI

Submitted in partial fulfillment of the requirement for the award of the *Degree*.

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: Sanket Hegde

USN:1MV20ET025

UNDER THE GUIDANCE OF

Internal Guide

Mrs. Savita A Harkude
Assoc. Professor, ETE
Sir MVIT, Bangalore

External guide

Mr. Goutam Hegde
Co-founder
Alt digital technologies



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on “Full stack web development” regarding the internship undertaken at “Alt digital technology” is prepared by **Sanket Hegde 1MV20ET025**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “Bachelor of Engineering” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Signature of the Guide

Mrs. Savita A Harkude
Assoc. Professor, ETE
Sir MVIT, Bangalore

Signature of HOD

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

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayana Nagar, Hunsur, Mysore Road,
Bangalore-560 075

Signature of Principal

Dr. Rakesh SG
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. Sanket MH
2. Prathibha N

SIGNATURE WITH DATE

29/5/24

COMPANY CERTIFICATE



Ref: ADTPL/CD/2023/09/13
Date: 13 September, 2023

To whomsoever it may concern

This is to certify that Mr. Sanket Hegde has done his internship at Alt Digital Technologies Private Limited from 16 August 2023 to 16 September 2023.

During the tenure of his internship, he was found to be a quick learner, diligent and performed his duties to the satisfaction of the management. He took initiatives to learn the duties involved in the organization.

We wish him all the success in future too.

Your Sincerely,

A handwritten signature in blue ink, appearing to read "Vikas Goyal", written over a light blue horizontal line.

Vikas Goyal
Founder and Managing Director

Alt Digital Technologies Pvt. Ltd.

Reg. Off: C-25, 2nd Floor, Acharya Kripalani Road, Adarsh Nagar, Delhi, 110033 India

Corp. Off: 11A, 12th Floor, i-Thum Tower B, A-40, Sector 62, Noida, 201309, India

CIN: U72100DL2016PTC307387 Ph: +91-120-4226757 Email: info@altdigital.tech Website: www.altdigital.tech



ವಿಶ್ವವಿದ್ಯಾರಣ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT
(18TE185)

“SMART PARKING SYSTEM USING IoT”

Undertaken at

VARCONS TECHNOLOGIES, BENGALURU

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING
IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
for the Academic year 2023-2024

Report Submitted by:

Name: SHASHWAT KUMAR

USN: 1MV20ET026

Under the guidance of:

Internal Guide

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

External guide

Spoorthi H. C.
Director
Varcons Technology



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU – 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevrayanagar, Hunasamaranahalli Bangalore-562157

(Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2023-2024

CERTIFICATE

Certified that the Internship report on “SMART PARKING SYSTEM USING IoT” regarding the Internship undertaken at “VARCONS TECHNOLOGIES, BANGLORE” is prepared by SHASHWAT KUMAR (1MV20ET026) a bona fide student of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY.

The report is impartial fulfillment of the requirements for award of degree of “Bachelors of Engineering” in ELECTRONICS AND TELECOMMUNICATION ENGINEERING from 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 submitted to the Department. The internship report has been approved as it satisfies the academic requirements in respect to the work prescribed for the said Degree.


Dr E. Kavitha

Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore


Dr E. Kavitha

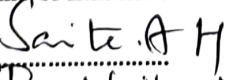
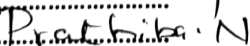
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore


PRINCIPAL

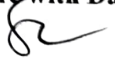
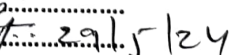
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevrayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562157

Prof. Rakesh S G
Principal
Sir MVIT, Bangalore

Name of Examiner

1. 
2. 

Signature with Date

1. 
2.  29/5/24

INTERNSHIP COMPLETION LETTER



Varcons Technologies Pvt Ltd

Communicate. Collaborate. Create

CERTIFICATE OF INTERNSHIP

This is to certify that **Shashwat Kumar** whose USN is **1MV20ET026**, has completed their **Embedded Systems Internship** organised and handled by Varcons Technologies from **13th August, 2023 to 20th September, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Smart Parking System using IoT**. 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](#) 



18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com

contact@varconstech.com

This certificate was generated using [CERTIEFY.COM](#)



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

[18TE185]

On

“PCB DESIGNING”

Undertaken at

UTTHUNGA ENGINEERING TRANSFORMATION

Submitted in partial fulfilment, of the requirement for the award of the Degree

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: SHRAVANI S

USN: 1MV20ET027

UNDER THE GUIDANCE OF

Internal Guide

Mr. Faiz Mohammad Karobari

Asst. Professor, ETE

Sir MVIT, Bangalore

External guide

Name:

Designation:



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION &

ENGINEERING SIR M. VISVESVARAYA INSTITUTE OF

TECHNOLOGY

HUNASAMARANAHALI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on “PCB DESIGNING” regarding the internship undertaken at “UTTHUNGA ENGINEERING TRANSFORMATION” is prepared by **SHRAVANI S [1MV20ET027]**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering**” from the Visvesvaraya Technological University, Belgaum, Karnataka State, India, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Signature of the Guide

Prof. Faiz Mohammad Karobari
Asst. Professor, ETE
Sir MVIT, Bangalore

Signature of HOD

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

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
K. S. Narayana Nagar, Hunsur, Bangalore-562 157
International Airport Road, Bangalore-562 157
Prof. Rakesh S G

Principal

Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. Savile A N
2. Prathiba N

SIGNATURE WITH DATE

29/5/24

COMPANY CERTIFICATE



Date: 22nd September 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Shravani S**, has successfully completed a 1 Month internship program from **14th-Aug-2023 to 14th-Sep-2023** at Utthunga Technologies Pvt. Ltd.

During this period of her internship program, she was found to be inquisitive and hardworking. she has shown willingness to learn and put her best efforts to get into the project to understand the requirements and implement the same.

We wish her all the best in his future endeavors.

A handwritten signature in black ink, appearing to be 'S. S.', is written over a circular stamp.

Human Resources
Utthunga Technologies Private Limited



Utthunga Technologies Pvt Ltd
No. 8, 27th Cross, Banashankari
2nd Stage, Bangalore - 560070
Phone: +91-80-68151900



INTERNSHIP REPORT

(18TE185)

on

“DIGITAL MARKETING AND FULL STACK WEB DEVELOPMENT”

Undertaken at

MYCAPTAIN , BENGALURU

Submitted in partial fulfillment of the requirement for the award of the *Degree*.

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: Sumit Sourav

USN:1MV20ET028

UNDER THE GUIDANCE OF

Internal Guide

Dr. E. Kavitha
Head Of Dept. ETE
Sir MVIT, Bangalore

External guide

Mr. Tushar Khatod
Sr. Manager
MYCAPTAIN



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU - 562157

2023-2024


SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY





DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

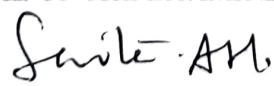

Certified that the INTERNSHIP REPORT on "DIGITAL MARKETING AND FULL STACK WEB DEVELOPMENT" regarding the internship undertaken at "MYCAPTAIN" is prepared by **Sumit Sourav 1MV20ET028**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of "**Bachelor of Engineering**" in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide
Dr. E Kavitha
Head of Dept. ETE
Sir MVIT, Bangalore

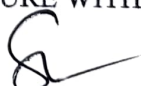


Signature of HOD
Dr. E Kavitha
Head of Dept. ETE
Sir MVIT, Bangalore


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
Internal Sign. Secy. Bangalore-562 157
Signature of Principal
Dr. Rakesh SG
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1.  Swile AM
2.  Prg. Prathiba N

SIGNATURE WITH DATE


 29/5/24

COMPANY CERTIFICATE



SJR Prime Corporation, 2nd floor,
South wing, Marathahalli Sarjapur Road,
Bellandur, Bengaluru, Karnataka 560102

To Whomsoever It May Concern

Date: 16/3/2024

This is to confirm that **Sumit Sourav** has completed Internship at MyCaptain from 12-Feb-2024 to 18-Mar-2024. During their tenure with us, **Sumit Sourav** held the position of Campus Marketing Intern in the Campus Ops Department & also held the position of Tech Intern in Technology Department. I am pleased to provide this Internship letter to attest to their Internship and the contributions they made to our organization.

Name : **Sumit Sourav**

Employee ID : **CKD1802**

Compensation : **120000**

Throughout their time here, **Sumit Sourav** exhibited professionalism, dedication, and a strong work ethics. **Sumit Sourav** interacted positively with colleagues and demonstrated effective communication skills. They showed a willingness to collaborate and contribute to the team initiatives and organizational goals.

We wish them every success in their future endeavors.

For Climber Knowledge & Careers Pvt Ltd

A handwritten signature in black ink, appearing to read 'Tushar'.

Tushar Khatod,
Sr. Manager People&Culture



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

On

“EMBEDDED SYSTEMS and IOT”

Undertaken at

Take It Smart Pvt Ltd.

Submitted in partial fulfillment of the requirement for the award of the *Degree*

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING For
the Academic year 2023-2024**

Report Submitted by:

Name: TEJAS GOWDA HA

USN:1MV20ET029

UNDER THE GUIDANCE OF

Internal Guide

Mrs. Savita Harkude
Asst. Professor, ETE
Sir MVIT, Bangalore

External guide

Mr. Mallikarjun Kumbhar
The Director,
Take It Smart Pvt Ltd



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on “EMBEDDED SYSTEMS And Iot “ regarding the internship undertaken at **“Take it Smart PVT. LTD.”** is prepared by **TEJAS GOWDA H A** bearing **USN 1MV20ET029**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of **“Bachelor of Engineering”** in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Signature of the Guide

Mrs. Savita A Harkude
Asst. Professor, ETE
Sir MVIT, Bangalore

Signature of HOD

Mrs. Dr E. Kavita
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsur, Mysore
Inter. Dist. - 562 157

Signature of Principal

Prof. Rakesh S G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

- 1.
2. Prathiba N

SIGNATURE

29/5/24

COMPANY CERTIFICATE



Take It Smart (OPC) PVT LTD

"Recognized by the Government of India's Startup India Initiative"

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

TEJAS GOWDA H A

Student of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Has completed Internship in EMBEDDED SYSTEM AND IOT

From 14th AUGUST 2023 TO 9th SEPTEMBER 2023

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.



#startupindia



Mallikarjun Kumbhar
Director

Vijayanagar, Bengaluru 8050104212 / 8792697647 takeitsmart.in



ವಿಶ್ವವರಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

On

“EMBEDDED SYSTEMS and IOT”

Undertaken at

Take It Smart Pvt Ltd.

Submitted in partial fulfillment of the requirement for the award of the *Degree*

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING For
the Academic year 2023-2024**

Report Submitted by:

Name: THARUN PARTHEEV A

USN: 1MV20ET030

UNDER THE GUIDANCE OF

Internal Guide

Mrs. Savita A Harkude
Associate Professor, ETE
Sir MVIT, Bangalore

External guide

Mr. Mallikarjun Kumbar
The Director
Take It Smart Pvt Ltd



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

Certified that the **INTERNSHIP REPORT** on “**EMBEDDED SYSTEMS And Iot**” regarding the internship undertaken at “**Take it Smart PVT. LTD.**” is prepared by **THARUN PARTHEEV A** bearing **USN 1MV20ET030**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Signature of the Guide

Mrs. Savita A Harkude
Associate Professor, ETE
Sir MVIT, Bangalore

Signature of HOD

Mrs. Dr E. Kavita
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadasaiah Road, Bangalore-562 157
International Airport Road, Bangalore-562 157

Signature of Principal

Prof. Rakesh S G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. Sailesh N.
2. Prathiba N.

SIGNATURE

29/5/24

COMPANY CERTIFICATE



TAKE IT SMART

Take It Smart (OPC) PVT LTD

"Recognized by the Government of India's Startup India Initiative"

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

THARUN PARTHEEV A

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

Has completed Internship in **EMBEDDED SYSTEM AND IOT**

From **14th AUGUST 2023 TO 9th SEPTEMBER 2023**

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.



#startupindia

Vijayanagar, Bengaluru 8050104212 / 8792697647 takeitsmart.in



Mallikarjun Kumbar
Director



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

On

“PRINTED CIRCUIT BOARDS ASSEMBLY AND FABRICATION”

Undertaken at

INDIC ESM ELECTRONICS PVT. LTD.

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

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

For the Academic year 2023-2024

Report Submitted by:

Name: Varshitha N

USN:1MV20ET031

UNDER THE GUIDANCE OF

Mrs. Sandhya B S
Asst. Professor, ETE

Internal Guide

Mrs. Sandhya B S
Asst. Professor, ETE
Sir MVIT, Bangalore.

External guide

Name: Umesh Gouda A.H
Deputy general manager,
INDIC EMS PVT. LTD.



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on “**PRINTED CIRCUIT BOARD ASSEMBLY AND FABRICATION**” regarding the internship undertaken at “**INDIC EMS ELECTRONICS PVT. LTD.**” is prepared by **VARSHITHA N** bearing **USN 1MV20ET031**, a bona fide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Sandhya B.S.

Signature of the Guide

Mrs. Sandhya.B.S
Asst. Professor, ETE
Sir MVIT, Bangalore

E. Kavitha

Signature of HOD

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

Rakesh S.G.

PRINCIPAL

Signature of Principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishna International

Prof. Rakesh S.G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. *Sailesh M*
2. *Prathiba N*

SIGNATURE

[Signature]
[Signature] 29/5/24

COMPANY CERTIFICATE

INDIC
EMS ELECTRONICS PVT. LTD.

Ref. IND/CER/2023

Date: 28th Aug'2023

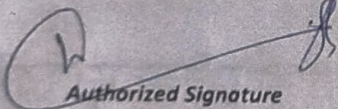
CERTIFICATE

This is to certify that Ms. Varshitha N bearing (1MV2UET031) student of 3rd year, 5th Sem Bachelor of Engineering at Sir M. Vishveshvaraya Institute of Technology College, has successfully completed Internship From 11th August to 10th September 2023, report on 'Printed Circuit Board Assembly and Fabrication' in our organisation, under the guidance of Mr. Umesh Gouda A H, DGM-HR, INDIC EMS Electronics Pvt. LTD.,

During the period of Internship, she was keen, hardworking and displayed good conduct and character.

The management wishes all success for her future endeavour.

For INDIC EMS ELECTRONICS PVT. LTD.,


Authorized Signature



INDIC EMS ELECTRONICS PVT. LTD.,

Plot No. 37, KIADB Industrial Area, Doddaballapur, Bangalore - 561 203, India
Tel. : +91 80 27630603 / 04 / 05 • Fax : +91 80 27630606 • Website : www.indicalelectronics.com
PAN : AABC17156H CIN : U32109KA2007PTC043071



ISO 9001:2015 & IATF 16949:2016 Certified Company



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

“PCB DESIGN PROCESS”

Undertaken at

UTTHUNGA TECHNOLOGIES

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: VIBHA B R

USN: 1MV20ET032

UNDER THE GUIDANCE OF

Internal Guide

Ms. Sandhya B S
Asst. Professor, ETE
Sir MVIT, Bangalore

External guide

Mr. Aswin S Dharman
Embedded Hardware Engineer
UTTHUNGA TECHNOLOGIES



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



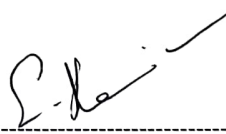
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2021-2022

CERTIFICATE

Certified that the INTERNSHIP REPORT on “PCB DESIGN PROCESS” regarding the internship undertaken at “UTTHUNGA TECHNOLOGIES” is prepared by **VIBHA BR 1MV20ET032**, a bona fide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.



Signature of the Guide
Ms. Sandhya B S
Asst. Professor, ETE
Sir MVIT, Bangalore

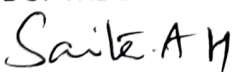



Signature of HOD
Dr. E. Kavitha
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore





Signature of Principal
Dr. Rakesh
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1. 
2. 

SIGNATURE WITH DATE


 29/5/24

COMPANY CERTIFICATE



Date: 22nd September 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Vibha BR**, has successfully completed a 1 Month internship program from **14th-Aug-2023 to 14th-Sep-2023** at Utthunga Technologies Pvt. Ltd.

During this period of her internship program, she was found to be inquisitive and hardworking. she has shown willingness to learn and put her best efforts to get into the project to understand the requirements and implement the same.

We wish her all the best in his future endeavors.

A handwritten signature in black ink, appearing to be 'S. S. S.', is written over a circular stamp.

Human Resources
Utthunga Technologies Private Limited



Utthunga Technologies Pvt Ltd
No. 8, 27th Cross, Banashankari
2nd Stage, Bangalore - 560070
Phone: +91-80-68151900

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590 018



INTERNSHIP REPORT

(18TE185)

ON

**“TWITTER SENTIMENT ANALYSIS DURING COVID-19 LOCKDOWN
IN USA”**

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

V.K. SREELAKSHMI

1MV20ET033

Internship carried out at

**Varcons Technologies Pvt Ltd
BENGALURU - 560001**

Internal Guide:

Dr. E. Kavitha,
Professor & Head of Dept,
Dept. of ETE, Sir MVIT
Bengaluru – 562157

External Guide:

Ms. Spoorthi C,
Director,
Varcons Technologies
Bengaluru - 560001



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157
2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING**



CERTIFICATE

This is to certify that **V.K. SREELAKSHMI (1MV20ET033)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **Varcons Technologies Pvt Ltd** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

Signature of the Guide
Dr. E. Kavitha
Professor & Head
Dept of ETE

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

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

Signature of Principal
Dr. Rakesh S G
Principal
Sir MVIT, Bengaluru

External Viva

Name of the Examiners

1. Sanku ON

2. Prathiba N

Signature with Date

29/5/24

CERTIFICATE



Varcons Technologies Pvt Ltd

Communicate. Collaborate. Create

CERTIFICATE OF INTERNSHIP

This is to certify that **Vk Sreelakshmi** whose USN is **1MV20ET033** has completed their **Machine Learning With Python (Research Based)** Internship organised and handled by **Varcons Technologies Pvt. Ltd** from **13th August, 2023** to **20th September, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Sentiment Analysis Of Lockdown In India During Covid-19 : A Case Study**. 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.

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



18 M G Road, Ussur, Bangalore-560001

www.varconstech.com

contact@varconstech.com

This certificate was generated using [CERTIFY.COM](#)



ವಿಶ್ವವರಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

On

“PRINTED CIRCUIT BOARDS ASSEMBLY AND FABRICATION”

Undertaken at

INDIC ESM ELECTRONICS PVT. LTD.

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: YATHISH K
USN:1MV20ET034

UNDER THE GUIDANCE OF

Internal Guide

MRS. SAVITA A. HARKUDE
Asst. Professor, ETE
Sir MVIT, Bangalore

External guide

Name: Umesh Gouda A H
Designation: HR



2023-24


DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU - 562157
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY




DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

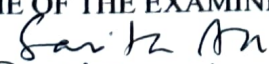
Certified that the INTERNSHIP REPORT on **“PRINTED CIRCUIT BOARD ASSEMBLY AND FABRICATION ”** regarding the internship undertaken at **“INDIC EMS ELECTRONICS PVT. LTD. ”** is prepared by **YATHISH K** bearing **USN 1MV20ET034** , a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of **“Bachelor of Engineering”** in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


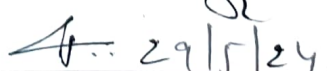

Signature of the Guide
MRS. SAVITA A.
HARKUDE
Asst Professor, ETE
Sir MVIT, Bangalore


Signature of HOD
MRS. DR E. KAVITHA
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore


Signature of Principal
DR. RAKESH S G
Principal
Sir MVIT, Bangalore

SIR M. VISVESVARAYA INSTITUTE OF TECH
Krishnadevarayanagar, Hunasamaran
Internal Assessment Report

NAME OF THE EXAMINERS
1. 
2. Prathiba N

SIGNATURE 
 29/5/24.

COMPANY CERTIFICATE



Ref. IND/CER/2023

Date: 28th Aug'2023

CERTIFICATE

This is to certify that *Mr. Yathish K bearing (XIVV20ET034)* student of 3rd year, 6th Sem Bachelor of Engineering at **Sir M. Vishveshvaraya Institute of Technology College**, has successfully completed Internship From 11th August to 10th September 2023, report on '**Printed Circuit Board Assembly and Fabrication**' in our organisation, under the guidance of Mr. Umesh Gouda A H, DGM-HR, INDIC EMS Electronics Pvt. LTD.,

During the period of Internship, she was keen, hardworking and displayed good conduct and character.

The management wishes all success for her future endeavour.

For INDIC EMS ELECTRONICS PVT. LTD.,

Authorized Signature



INDIC EMS ELECTRONICS PVT. LTD.,

Plot No. 37, KIADB Industrial Area, Doddaballapur, Bangalore - 561 203, India
Tel : +91 80 27630603 / 04 / 05 * Fax : +91 80 27630606 * Website : www.indicelectronics.com



ISO 9001:2015 & IATF 16949:2016 Certified Company

VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

(18TEI85)

ON

“Full stack Web Development”

Submitted in partial fulfilment for the award of degree of

BACHELOR OF ENGINEERING IN
Electronics and Telecommunication Engineering

Submitted by:

Prashant Kumar Sonu

1MV20ET035

Conducted at
Varcons technologies
Under the guidance of:

Project guide:
Prof Dr E Kavitha

Project Manager:
Dr SPOORTHY HC, Product
Manager, Varcons Technologies



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

Accredited by NBA, New Delhi
KRISHNADEVARAY NAGAR, OFF INTERNATIONAL AIRPORT ROAD
HUNASAMARANHALLI BENGALURU (562157)

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

Accredited by NBA, New Delhi

**KRISHNADEVARAY NAGAR, OFF INTERNATIONAL AIRPORT ROAD
HUNASAMARANHALLI BENGALURU**

562157



CERTIFICATE

This is to certify that the Internship titled **“Making a Restaurant page using full stack development”** carried out by **Prashant Kumar Sonu**, a bonafide student of Sir M. Visvesvaraya Institute of Technology, in partial fulfillment for the award of **Bachelor of Engineering**, in **Electronics and telecommunication branch** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18TE185)

Name & Signature of Guide
Prof Dr E Kavitha

Name & Signature of HOD
Prof Dr E Kavitha

Name & Signature of Principal
Prof Dr Rakesh SG

External Viva:



Name of the Examiner

1) Sailesh M

2) Prathiba N

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

Signature with Date


 29/5/24

OFFER LETTER PROVIDED BY THE COMPANYA handwritten signature in blue ink, consisting of a large 'V' followed by a stylized 'C' and a horizontal line.

Varcons Technologies Pvt Ltd

Date: 11th August, 2023

Name: **Prashant Kumar Sonu**

USN: **1MV20ET035**

Placement ID: **1408AUGB3305**

Dear Student,

We would like to congratulate you on being selected for the **Full Stack Web Development** Internship position with **Varcons Technologies**, effective Start Date **11th August, 2023**, All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of **Full Stack Web Development** through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!

Sincerely,

Spoorthi H C

Director

Varcons Technologies

213, 2st Floor, 18 M G Road, Ulsoor,

Bangalore-560001



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

"EMBEDDED SYSTEM AND IOT"

Undertaken at

TAKE IT SMART (OPC) PVT.LTD

Submitted in partial fulfillment of the requirement for the award of the *Degree*

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the Academic year 2023-2024

Report Submitted by:

Name: CHARITHA SHREE V

USN: 1MV21ET400

Under the Guidance of

Internal Guide

MR. FAIZ MOHAMMAD KAROBARI

Asst. Professor, ETE

Sir MVIT, Bangalore

External guide

Mr. Mallikarjun Kumbar

Designation: Director

Take It Smart (OPC) Pvt. Ltd



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

HUNASAMARANAHALI. BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2021-2022

CERTIFICATE

Certified that the INTERNSHIP REPORT on “**Embedded Systems And IOT**” regarding the internship undertaken at “**Take It Smart (OPC) Pvt. Ltd**” is prepared by **CHARITHA SHREE V, 1MV21ET400** a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree


Signature of the Guide

MR. FAIZ MOHAMMAD
KAROBARI
Asst. Professor, ETE
Sir MVIT, Bangalore


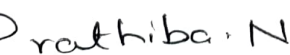

Signature of HOD

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



Signature of Principal

DR. RAKESH S. C.
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

1.  Sairi M
2.  Prathiba N

SIGNATURE WITH DATE


4.29/5/24

COMPANY CERTIFICATE



Take It Smart (OPC) PVT LTD

"Recognized by the Government of India's Startup India Initiative"

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

CHARITHA SHREE V

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

Has completed Internship in **EMBEDDED SYSTEM AND IOT**

From **14th AUGUST 2023 TO 9th SEPTEMBER 2023**

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.



#startupindia

Vijayanagar, Bengaluru 8050104212 / 8792697647 takelitsmart.in



Mallikarjun Kumbhar
Director



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಲಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(18TE185)

on

"EMBEDDED SYSTEM AND IOT"

Undertaken at

TAKE IT SMART (OPC) PVT.LTD

Submitted in partial fulfillment of the requirement for the award of the *Degree*

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
For the Academic year 2023-2024**

Report Submitted by:

Name: PUNEETH YADAV M
USN: 1MV21ET401

Under the Guidance of

Internal Guide

MRS. SAVITA A. HARKUDE
Asst Professor, ETE
Sir MVIT, Bangalore

External guide

Mr. Mallikarjun Kumbar
Designation: Director
Take It Smart (OPC) Pvt. Ltd



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

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2021-2022

CERTIFICATE

Certified that the INTERNSHIP REPORT on “**Embedded Systems And IOT**” regarding the internship undertaken at “**Take It Smart (OPC) Pvt. Ltd**” is prepared by **PUNEETH YADAV M, 1MV21ET401** a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree

Signature of the Guide

MRS. SAVITHA A. HARKUDE

Asst Professor, ETE
Sir MVIT, Bangalore**Signature of HOD**

Dr.E. KAVITHA

Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
International Airport Road, Bangalore-562157**Signature of Principal**

DR. RAKESH S G

Principal

Sir MVIT, Bangalore

NAME OF THE EXAMINERS

SIGNATURE WITH DATE

1.

COMPANY CERTIFICATE



TAKE IT SMART

Take It Smart (OPC) PVT LTD

"Recognized by the Government of India's Startup India Initiative"

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

PUNEETH YADAV M

Student of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Has completed Internship in EMBEDDED SYSTEM AND IOT

From 14th AUGUST 2023 TO 9th SEPTEMBER 2023

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.



MSME
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES

#startupindia

Vijayanagar, Bengaluru 8050104212 / 8792697647 takeitsmart.in



Mallikarjun Kumbar
Director

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI -590018



MINI-PROJECT (21ECMP67) REPORT

on

**“Smart GPS Tracker For Anti-Car Theft Using
Arduino”**

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

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

Submitted by

NAME OF THE STUDENTS

**Sameer Kumar
Pushp Raj
Sahil Kumar Verma
Kota Madhu Latha**

USN

**1MV21ET026
1MV21ET024
1MV21ET025
1MV21ET034**

Under the Guidance of

DR. E. KAVITHA

HOD of ETE Dept



**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING
Bengaluru-562157
2023-24**

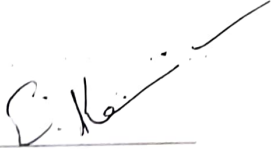
SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electronics and Telecommunication Engineering


CERTIFICATE



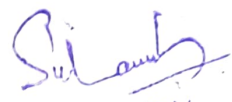
Certified that the Project work entitled “**Smart GPS Tracker for anti-Car Theft Using Arduino**” carried out by **Mr. Sameer Kumar (1MV21ET026)**, **Ms. Kota Madhu Latha (1MV21ET034)**, **Mr. Pushp Raj (1MV21ET024)**, **Mr. Sahil Kumar Verma (1MV21ET025)**, a bonafide students of Sir. M Visvesvaraya 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 2023 – 2024. 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
Krishnadevaraya Nagar, International Airport Road, Bengaluru-562157

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

Name of the Examiners

Signature with Date

1.

2.



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JNANA SANGAMA”, BELAGAVI-590018

A Project Report On

“AUTOMATIC ROAD REFLECTOR LIGHT”

[21TCMP67]

Submitted in partial fulfilment of 6th semester of
**BACHELOR OF ENGINEERING IN ELECTRONIC AND TELECOMMUNICATION
ENGINEERING**

Submitted By:

ANITHA V DAAS [1MV21ET003]

K SWATHI [1MV21ET014]

PRIYANKA BLN [1MV21ET023]

YASHASWINI S [1MV21ET033]

Under the Guidance of

Ms. Savita A Harkude

Associate Professor, ETE



DEPARTMENT OF ELECTRONIC AND TELECOMMUNICATION ENGINEERING

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

YEAR 2023-2024

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, Bangalore-562157

(Affiliated to Visvesvaraya Technological University, Belgaum)

DEPARTMENT OF ELECTRONIC AND
TELECOMMUNICATION ENGINEERING



Year 2023-2024

CERTIFICATE

Certified that the project work **“AUTOMATIC ROAD REFLECTOR OFLIGHT”** is a bonafied work carried out by **ANITHA V DAAS [1MV21ET003], K SWATHI [1MV21ET014], PRIYANKA BLN[1MV21ET023], YASHASWINI S [1MV21ET033]**, students of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY** in partial fulfilment of the requirement for the award of the Degree of Bachelor of Engineering in **Telecommunication Engineering** of **Visvesvaraya Technological University, Belagavi** for the academic year **2023-2024**. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report submitted to the department.

The project report has been approved as it satisfied the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Ms. Savita A Harkude

Asso.Prof. Dept. of ETE
Sir MVIT, Bangalore.

Name of the Examiner

1.....

2.....

Dr. E. Kavitha

Prof.&Head. Dept. of ETE
Sir MVIT, Bangalore.

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

Prof. Rakesh S G

Principal
Sir MVIT, Bangalore

Signature with

1.....

2.....

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI – 590 018



MINI-PROJECT (21TCMP67)
ON

“Wheelchair Navigation Using EOG Signals”

Submitted in partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the academic year

2023 – 2024

By

NAME OF THE STUDENTS

Abin Mathew
Arjun Kanthimath
Arun G
D Yaswanth Kumar

USN

1MV21ET001
1MV21ET004
1MV21ET005
1MV21ET009

Under the Guidance of

Mr. Faiz Mohammad Karobari
Assistant Professor



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

Bengaluru – 562 157

2023 – 24

Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Off Kempegowda International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electronics and Telecommunication Engineering

CERTIFICATE



Certified that the Mini Project work entitled “Wheelchair Navigation System Using EOG Signals” carried out by Mr. ABIN MATHEW (1MV21ET001), Mr. ARJUN KANTHIMATH (1MV21ET004), Mr. ARUN G (1MV21ET005), Mr. D YASWANTH KUMAR (1MV21ET009), 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 2023 – 2024. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini 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

Mr. Faiz Mohammad Karobari
Assistant Professor.
Dept of ETE

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
Krishnadevaraya Nagar, Hunsur, Bangalore-562157
International Airport Road, Bengaluru-562157

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI -590018



MINI-PROJECT (21ECMP67)

ON

**“ROBOTIC VEHICLE CONTROLLER THROUGH
TOUCH SCREEN-BASED DEVICE”**

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by

BINDHUSRI DASARI-1MV21ET007
BRUNDA T A -1MV21ET008
GIRIVARSHINI M -1MV21ET010
HARIPRIYA M K -1MV21ET012

Under the Guidance of

Ms. AKILA. P.
Assistant professor, ETE Dept



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
Bengaluru - 562157
2023-24

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgavi, Karnataka)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini Project work entitled “**Robotic vehicle controlled through touch screen based device**” carried out by **MS. BINDHUSRI DASARI(1MV21ET007)**, **MS. BRUNDA TA(1MV21ET008)**, **MS. GIRIVARSHINI M(1MV21ET010)**, **MS. HARIPRIYA MK(1MV21ET012)**, 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 2023 – 2024. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini 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. Akila.P
Assistant Professor,
Dept of ETE

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, Hunsur,
International Airport Road, Bangalore-562 157

Signature of the
Principal

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590 018



Mini Project Report (21TCMP67)

on

“INDOOR HYDROPONIC FODDER GROW CHAMBER”

Submitted in partial fulfillment of the requirements for the Degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS & TELECOMMUNICATION ENGINEERING

For the academic year 2023-24

By

Hansini D
(1MV21ET011)

Karthik Reddy
(1MV21ET015)

Uday Kiran
(1MV21ET031)

Varshitha P
(1MV21ET032)

Under the Guidance of

Ms. SANDHYA B S

Assistant Professor

ETE Dept.

Sir MVIT, Bengaluru



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

2023 – 2024

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 Electronics and Telecommunication Engineering



CERTIFICATE

Certified that the Project work entitled **"INDOOR HYDROPONIC FODDER GROW CHAMBER"** carried out by (HANSINI D 1MV21ET011, KARTHIK REDDY 1MV21ET015, UDAY KIRAN 1MV21ET031, VARSHITHA P 1MV21ET032) a bonafide students of Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment 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 2023-2024. 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.



Signature of Guide
Ms. Sandhya.B.S
Asst.Prof, Dept of ETE
Sir.MVIT,Bengaluru



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



PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Bengaluru
International Airport Road, Bengaluru - 562157
Signature of Principal
Prof. Rakesh S G
Principal, Sir.MVIT,
Bengaluru.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590 018



MINI-PROJECT (21TCMP67)
ON

“CLASSIFICATIONS OF IMAGES USING ANN”

Submitted in partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
For the academic year
2023-2024
By

NAME OF THE STUDENTS

BANKE BIHARI KUMAR
KISHAN KUMAR
ABHISHEK REDDY G V
CHANNAKESHA REDDY

USN

1MV21ET006
1MV21ET016
1MV22ET400
1MV22ET401

Under the Guidance of

Ms. SUDHA J
Assistant Professor
Dept of ETE



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
Bengaluru – 562 157
2023 – 24

Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Off Kempegowda International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electronics and Telecommunication Engineering

CERTIFICATE



Certified that the Mini Project work entitled “**Classifications of images using ANN**” carried out by **Mr. BANKE BIHARI KUMAR (1MV21ET006)**, **Mr. KISHAN KUMAR (1MV21ET016)**, **Mr. ABHISHEK REDDY (1MV22ET400)**, **Mr. CHANNAKESHA REDDY (1MV22ET401)**, 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 2023–2024. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini 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. Sudha J
Assistant Professor,
Dept of ETE

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
Krishnadevaraya Nagar, Sir, Hunasamaranahalli
International Airport Road, Bengaluru-562 157
Signature of the
Principal

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590 018



MINI-PROJECT (21TCMP67)
ON

“AUTONOMOUS DRONE”

Submitted in partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
For the academic year
2023-2024
By

NAME OF THE STUDENTS

MIDHUN M L
MOHAMMED UWEZ
MANSI DUTTA

USN

1MV21ET018
1MV21ET019
1MV21ET017

Under the Guidance of

Mrs. Madhu kumari
Assistant Professor



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
Bengaluru – 562 157
2023 – 24

Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

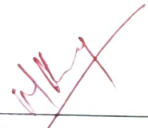
Off Kempegowda International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electronics and Telecommunication Engineering

CERTIFICATE



Certified that the Mini Project work entitled “**AUTONOMOUS DRONE**” carried out by **Mr. MIDHUN ML (1MV21ET018)**, **Mr. MOHAMMED UWEZ (1MV21ET019)**, **Mrs. MANSI DUTTA (1MV21ET017)** 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 2023 – 2024. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.



Signature of the
Guide

Mrs. Madhu kumari
Assistant Professor,
Dept of ETE

Signature of the
Head of the Department

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

Signature of the
Principal

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

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



A MINI PROJECT(21ECMP67)

ON

“SMART WHITE CANE”

Submitted in partial fulfillment of the requirements of the degree of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the academic

year2023-2024

By

**IRAMSABA MUQARRIB USTAD
NIKHITHA J
TANUSHREE A
KARTHIK RAMESH**

**1MV21ET013
1MV21ET022
1MV21ET029
1MV21ET035**

**Under the Guidance of
MS. IRENE MARTINA**

Asst.Prof,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 "SMART WHITE CANE" carried out by IRAMSABA.MUQARRIB.USTAD(IMV21ET013), NIKHITHA J(IMV21ET022), TANUSHREE A(IMV21ET029), KARTHIK RAMESH(IMV21ET035) 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 2023

– 2024. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini 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. Irene Martina
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
Krishnadevaraya Nagar, Bengaluru
International Airport Road, Bengaluru-562 157
Signature of the
Principal

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

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



A MINI PROJECT(21ECMP67)

ON

“SMART WHITE CANE”

Submitted in partial fulfillment of the requirements of the degree of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

For the academic

year 2023-2024

By

**IRAMSABA MUQARRIB USTAD
NIKHITHA J
TANUSHREE A
KARTHIK RAMESH**

**1MV21ET013
1MV21ET022
1MV21ET029
1MV21ET035**

**Under the Guidance of
MS. IRENE MARTINA**

Asst.Prof,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 “SMART WHITE CANE” carried out by IRAMSABA.MUQARRIB.USTAD(1MV21ET013), NIKHITHA J(1MV21ET022), TANUSHREE A(1MV21ET029), KARTHIK RAMESH(1MV21ET035) 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 2023

– 2024. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini 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. Irene Martina
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
Krishnadevaraya Nagar, Hunsur, Mysore
International Airport Road, Bangalore-562 157

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI -590018



MINI-PROJECT REPORT

On

“IoT BASED SMART HOME AUTOMATION”

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

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND TELECOMMUNICATION**

Submitted by

**NAGARAJ ISHWAR NAIK
SHANKHIN POOVANNA K M
SHASHANK D R
THANUSH M**

**1MV21ET020
1MV21ET027
1MV21ET028
1MV21ET030**

Under the Guidance of

**Ms. VISHALIDEVI S S
ASSISTANT PROFESSOR**



**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING
Bengaluru-562157**

2023-24

SRI KRISHNADEVARAYA EDUCATIONAL TRUST

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC)
Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "IOT BASED SMART HOME AUTOMATION" carried out by **Mr. NAGARAJ ISHWAR NAIK(1MV21ET020)**, **Mr. SHASHANK D R(1MV21ET028)**, **Mr. SHANKHIN POOVANNA K M(1MV21ET027)**, **Mr. THANUSH M(1MV21ET030)**, the bonafide students of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY** in partial fulfilment for the award of Bachelor of Engineering in **ELECTRONICS AND TELECOMMUNICATION** under **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI** 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 Mini Project work prescribed for the said Degree.

Name & Signature of the Guide

Ms. Vishalidevi S S

Assistant Professor

Department of ETE

Name & Signature of the HOD

Dr. E Kavitha

Professor and HOD

Department of ETE

Signature of the Principal

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

External Viva

Name of the examiners

1.

2.

Signature with date

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590 018



INTERNSHIP REPORT (21INT68)

on

Radio Frequency and Microwave Systems

Submitted in partial fulfilment for the requirements for the 4th sem

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

Submitted by:

ABIN MATHEW

1MV21ET001



Internal Guide:

Mr. Faiz Mohammad Karobari

Assistant Professor

Dept. of ETE,

Bengaluru-562157

External Guide:

Dr. Senthil Kumar V.

Group Director, CSG

U R Rao Satellite Centre, ISRO

Bengaluru-560017



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY HUNASAMARANAHALLI,

BENGALURU – 562 157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Bengaluru – 562157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that Abin Mathew (1MV21ET001), a bonafide student of Sir M. Visvesvaraya Institute of Technology, Bengaluru has satisfactorily completed Internship from U R RAO SATELLITE CENTRE, ISRO in partial fulfillment of the requirements as prescribed by the VTU for the award of Bachelor of Engineering in Electronics and Telecommunication Engineering and submitted this report during the academic year 2022 – 2023.

Signature of the Guide

Mr. Faiz Mohammad Karobari

Assistant Professor

Dept of ETE

Signature of HOD

Dr. E. Kavita

Professor & Head

Dept of ETE

PRINCIPAL

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

Signature of Principal

Prof. Rakesh S.G.

Principal

Sir MVIT

यु.आर.राव उपग्रह केंद्र
अवकाश विभाग
भारत सरकार
इण्डियन स्पेस रिसर्च ऑर्गनाइजेशन
बैंगलूर - 560 017



U R RAO SATELLITE CENTRE
DEPARTMENT OF SPACE
GOVERNMENT OF INDIA
AIRPORT ROAD, VIMANAPURA POST
BANGALORE - 560 017

DATE : 24-11-2023

Internship Certificate

This is to certify that Mr. Abin Mathew
of Sir M Visvesvaraya Institute of Technology, Bengaluru has undergone
Internship in Communication Systems Group at this Centre
during the period from 02/11/2023 to 26/11/2023
COURSE : B.E (ETE)
INTERNSHIP TITLE : Radio Frequency and Microwave Systems

Lalitha Abraham
(Lalitha Abraham M A)
Head, HRDD, URSC



Ramesh Naidu V
(Ramesh Naidu V)
Group Director PREG, URSC

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590 018



INNOVATION/ ENTREPRENURSHIP/ SOCIETAL INTERNSHIP (21INT68)

REPORT ON

“AUTOMATIC CAR PARKING SYSTEM”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

ANITHA V DAAS

1MV21ET003

Internship carried out at



Compsoft Technologies

Providing a Complete Suite of IT Solutions

Internal Guide

Ms. Savita A Harkude

Associate Professor, ETE



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

BENGALURU-562157

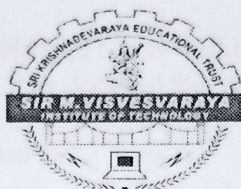
2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT ELECTRONICS AND TELECOMMUNICATION ENGINEERING



Estd 1986

CERTIFICATE

This is to certify that **ANITHA V DAAS(1MV21ET003)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **TAKE IT EASY, Bengaluru** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

Signature of Guide

Ms. Savita A Harukde

Associate Professor

Dept of ETE

Sir MVIT, Bengaluru

Signature of HOD

Dr. E Kavitha

Professor & Head

Dept of ETE

Sir MVIT, Bengaluru

PRINCIPAL

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

Signature of Principal

Prof. Rakesh S G

Principal

Sir MVIT, Bengaluru

Certificate of Internship

This is to certify that **Anitha V Daas** whose USN is **1MV21ET003**, has completed their **Machine Learning with Python (Research Based)** Internship organized and handled by **Compsoft Technologies** from **27th October 2023** to **1st December 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Automated 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. To verify this certificate, [click here](#)



Technologies

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Bangalore - 560010

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590018



INTERNSHIP REPORT (21INT68)

on

AI/Machine Learning

Submitted in partial fulfilment for the requirements for the 5th sem

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by:

ARJUN KANTHIMATH

1MV21ET004

Internal Guide:

Mr. Faiz Mohammad Karobari

Assistant Professor

Dept. of ETE

Bengaluru-562157

External Guide:

Ms. Krati Porwal

Mentor

InternPe



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

BENGALURU-56215

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Bengaluru – 562157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that ARJUN KANTHIMATH (1MV21ET004), a bonafide student of Sir M. Visvesvaraya Institute of Technology, Bengaluru has satisfactorily completed Internship from InternPe in partial fulfillment of the requirements as prescribed by the VTU for the award of Bachelor of Engineering in Electronics and Telecommunication Engineering and submitted this report during the academic year 2023 – 2024.

Signature of the Guide

Mr. Faiz Mohammad Karobari

Assistant Professor

Dept of ETE

Signature of HOD

Dr. E. Kavita

Professor & Head

Dept of ETE

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsar, Maranahalli
International Airport Road, Bengaluru 562 157

Signature of Principal

Prof. Rakesh S.G.

Principal

Sir MVIT, Bengaluru



INTERNSHIP COMPLETION CERTIFICATE

CID : IPIC#8404

To whomever it may concern

This is to certify that **ARJUN KANTHIMATH** worked as an Intern in our company from **13-Nov-2023** to **12-Dec-2023**

Please find the internship details below:

Company Name: InternPe

Location: Remote

Domain: AI/ML Programming

Designation: Intern

During their working period, we found him/her to be a sincere and dedicated intern with a professional attitude and very good knowledge of the job.

We thank him/her for their efforts and contribution and wish him/her the best in future endeavors.

Yours Sincerely

(Co-Founder)
InternPe



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590 018



INTERNSHIP REPORT (21INT63)

on

Radio Frequency and Microwave Systems

Submitted in partial fulfilment for the requirements for the 4th sem

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

Submitted by:

**ARUN G
IMV21ET005**



Internal Guide:

Mr. Faiz Mohammad Karobari
*Assistant Professor
Dept. of ETE,
Bengaluru-562157*

External Guide:

Dr. Senthil Kumar V.
*Group Director, CSG
U R Rao Satellite Centre, ISRO
Bengaluru-560017*



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY HUNASAMARANAHALLI,
BENGALURU – 562 157**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Bengaluru – 562157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that Arun G (1MV21ET005), a bonafide student of Sir M. Visvesvaraya Institute of Technology, Bengaluru has satisfactorily completed Internship from U R RAO SATELLITE CENTRE, ISRO in partial fulfillment of the requirements as prescribed by the VTU for the award of Bachelor of Engineering in Electronics and Telecommunication Engineering and submitted this report during the academic year 2022 – 2023.

Signature of the Guide

Mr. Faiz Mohammad Karobari

Assistant Professor

Dept of ETE

Signature of HOD

Dr. E. Kavita

Professor & Head

Dept of ETE

PRINCIPAL

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

Signature of Principal

Prof. Rakesh S.G.

Principal

Sir MVIT

यु.आर.राव उपग्रह केंद्र
अन्तरिक्ष विभाग
भारत सरकार
हवाई पत्तन मार्ग, विमानपुर डाक घर
बैंगलूर-560 017



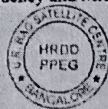
U R RAO SATELLITE CENTRE
DEPARTMENT OF SPACE
GOVERNMENT OF INDIA
AIRPORT ROAD, VIMANAPURA POST
BANGALORE - 560 017

DATE : 24-11-2023

Internship Certificate

This is to certify that Mr. Arun G
of Sir M Visvesvaraya Institute of Technology, Bengaluru has undergone
Internship in Communication Systems Group at this Centre
during the period from 02/11/2023 to 26/11/2023.
COURSE : B.E (ETE)
INTERNSHIP TITLE : Radio Frequency and Microwave Systems

Lalitha Abraham
(Lalitha Abraham M A)
Head, HRDD, URSC



Ramesh Naidu V
(Ramesh Naidu V)
Group Director PPEG, URSC

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590018



INTERNSHIP REPORT (21INT68)

on

Full Stack Web-Development

Submitted in partial fulfilment for the requirements for the 6th sem

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by:

BANKE BIHARI KUMAR

1MV21ET006

Internal Guide:

Ms. Sudha J

Assistant Professor

Dept. of ETE

Bengaluru-562157

External Guide:

Ms. Spoorti S

Project Manager,

VARCONS TECHNOLOGIES,

Bengaluru-560001



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY HUNASAMARANAHALLI,
BENGALURU-56215

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Bengaluru – 562157

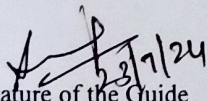
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that **BANKE BIHARI KUMAR (1MV21ET006)**, a bonafide student of Sir M. Visvesvaraya Institute of Technology, Bengaluru has satisfactorily completed Internship from **VARCONS TECHNOLOGIES** in partial fulfillment of the requirements as prescribed by the VTU for the award of Bachelor of Engineering in Electronics and Telecommunication Engineering and submitted this report during the academic year 2022 – 2023.

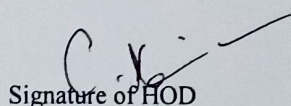
2023-24


Signature of the Guide

Ms. Sudha J

Assistant Professor

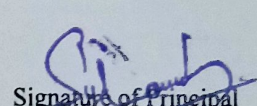
Dept of ETE


Signature of HOD

Dr. E. Kavitha

Professor & Head

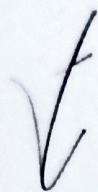
Dept of ETE


Signature of Principal

Prof. Rakesh S.G.

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157
Sir MVIT, Bengaluru

CERTIFICATE



Varcons Technologies Pvt Ltd
Communicate. Collaborate. Create

CERTIFICATE OF INTERNSHIP

This is to certify that **Banke Bihari Kumar** whose USN is **1MV21ET006**, has completed their **Full Stack Web Development** Internship organised and handled by Varcons Technologies Pvt. Ltd from **27th October, 2023 to 1st December, 2023**.

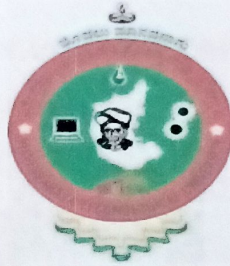
The person to whom this certificate is addressed to has worked on a project titled **Redesign Website for WSA NGO, Kanakapura road**. This project was aimed at creating fully-fledged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used 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.



www.varconstech.com
contact@varconstech.com

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590018



SOCIETAL INTERNSHIP (21INT68)
REPORT
ON
“ROBOTICS”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

BINDHUSRI DASARI

1MV21ET007

Internship carried out at

COMEDKARES Innovation Hub

Internal Guide:

Ms. Akila.P
Assistant Professor

External Guide:

Hemanth S Rao
Center Manager



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that **BINDHUSRI DASARI (1MV21ET007)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **COMEDKARES, Bengaluru** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023–2024**.

Signature of Guide
Ms. Akila. P.
Assistant Professor
Dept of ETE

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

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

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

DECLARATION

I, **BINDHUSRI DASARI**, student of **VI** semester Institute of Engineering, Government of Karnataka and Telecommunication Engineer at Sir M. Visvesvaraya Institute of Technology, Bengaluru hereby declare that my Internship was conducted at the Comedkares Innovation Hub, Bengaluru under the supervision of the Hon'ble & Assistant Professor Sir M. Visvesvaraya Institute of Technology, Bengaluru as stated in the certificate of completion for the award of Bachelor of Engineering in Communication and Information Technology, Bengaluru during the period from 25th October 2023 to 30th November 2023.



CERTIFICATE OF COMPLETION

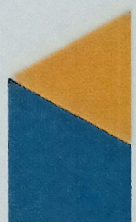
We hereby certify that

Bindhusri Dasari

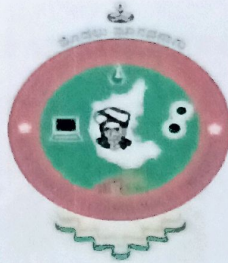
From **Electronics And Telecommunication** with USN **IMV21ET007** from the **Sir. M. Visvesvaraya Institute Of Technology**, has successfully completed the **Robotics Internship** held at comedkares innovation Hub, **Yelahanka, Bengaluru** from **25th October 2023 to 30th November 2023**. We at Comedkares Innovation Hub, appreciate your participation and effort in the internship and wish you the best in your future endeavours.

Dr. S. Kumar
Executive Secretary - Comedkares

30th November 2023



VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590018



SOCIETAL INTERNSHIP (2IINT68)

REPORT

ON

“ROBOTICS”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

BRUNDA TA

1MV21ET008

Internship carried out at

COMEDKARES Innovation Hub

Internal Guide:

Ms. Akila.P

Assistant Professor

External Guide:

Hemanth S Rao

Center Manager



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that **BRUNDA TA (1MV21ET008)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **COMEDKARES, Bengaluru** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023–2024**.

Signature of Guide

Ms. Akila. P.

Assistant Professor

Dept of ETE

Signature of HOD

Dr. E. Kavitha

Professor & Head

Dept of ETE

PRINCIPAL

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

Signature of Principal

Prof. Rakesh S. G.

Principal

Sir MVIT, Bengaluru

DECLARATION

I, **BRUNDA T A**, a student of **Electronics And Telecommunication Engineering** Department of **Electronics And Telecommunication Engineering** at **Sir. M. Visvesvaraya Institute of Technology**, Bangalore, hereby declare that the knowledge was earned out by the student for completion of the **Robotics Internship** program at **COMED KARES**, Bangalore, in the period of **25th October 2023 to 30th November 2023**.



CERTIFICATE OF COMPLETION

We hereby certify that

Brunda T A

From **Electronics And Telecommunication** with USN **IMV21ET008** from the **Sir. M. Visvesvaraya Institute Of Technology** has successfully completed the **Robotics Internship** held at **Comedkares innovation Hub, Yelahanka, Bengaluru** from **25th October 2023 to 30th November 2023**. We at **Comedkares Innovation Hub**, appreciate your participation and effort in the internship and wish you the best in your future endeavours.

Dr. S. Kumar

Executive Secretary - Comedkares

30th November 2023

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590 018



INTERNSHIP REPORT (21INT68)

on

Radio Frequency and Microwave Systems

Submitted in partial fulfilment for the requirements for the 4th sem

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by:

D YASWANTH KUMAR

1MV21ET009



Internal Guide:

Mr. Faiz Mohammad Karobari

Assistant Professor

Dept. of ETE,

Bengaluru-562157

External Guide:

Dr. Senthil Kumar V.

Group Director, CSG

U R Rao Satellite Centre, ISRO

Bengaluru-560017



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY HUNASAMARANAHALLI,

BENGALURU – 562 157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Bengaluru – 562157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that D Yaswanth Kumar (1MV21ET009), a bonafide student of Sir M. Visvesvaraya Institute of Technology, Bengaluru has satisfactorily completed Internship from U R RAO SATELLITE CENTRE, ISRO in partial fulfillment of the requirements as prescribed by the VTU for the award of Bachelor of Engineering in Electronics and Telecommunication Engineering and submitted this report during the academic year 2022 – 2023.

Signature of the Guide

Mr. Faiz Mohammad Karobari

Assistant Professor

Dept of ETE

Signature of HOD

Dr. E. Kavita

Professor & Head

Dept 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

यू.आर.राव उपग्रह केंद्र
अन्तर्िक्ष विभाग
भारत सरकार
हवाई घातन मार्ग, विमानपुन डाक घा
बंगलुरु-560 017



U R RAO SATELLITE CENTRE
DEPARTMENT OF SPACE
GOVERNMENT OF INDIA
AIRPORT ROAD, YERVADEKRA POST
BANGALORE - 560 075

24-11-2023

Internship Certificate

This is to certify that Mr. D Yaswanth Kumar
of Sir M Visvesvaraya Institute of Technology, Bengaluru has undertaken
Internship in Communication Systems Group at this Centre
during the period from 02/11/2023 to 26/11/2023.
COURSE : B.E (ETE)
INTERNSHIP TITLE : Radio Frequency and Microwave Systems

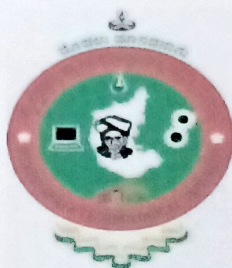
Lalitha Abraham
(Lalitha Abraham M A)
Head, HRDD, URSC



Ramesh Naidu V
(Ramesh Naidu V)
Group Director, HRDD, URSC

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANASANGAMA, BELAGAVI – 590018



SOCIETAL INTERNSHIP (21INT68)

REPORT

ON

“DIGITAL MARKETING”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

GIRIVARSHINI. M.

1MV21ET010

Internal Guide

Ms. Akila. P

Assistant professor

External Guide

Mr. Ankit Raj Bachchan

Professor and marketer



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that **GIRIVARSHINI M (1MV21ET010)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **TEACHNOOK, Bengaluru** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023–2024**.

Signature of Guide

Ms. Akila. P.

Assistant Professor

Dept of ETE

Signature of HOD

Dr. E. Kavitha

Professor & Head

Dept of ETE

PRINCIPAL

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

Prof. Rakesh S. G.

Principal

Sir MVIT, Bengaluru

Certificate(1)
By Teachnook



CERTIFICATE OF INTERNSHIP COMPLETION

PRESENTED TO

Giri Varshini

has successfully completed Mentorship Program on Digital Marketing from Webin in associated with Teachnook. During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNAPDINT23-121

Duration : 01/06/2023 31/07/2023

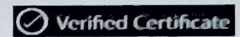
Academic Head

SR.HR Manager



Digital
Marketing

16/09/2023



A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

“AUTOMATED PARKING SYSTEM USING ML”

Submitted in partial fulfilment for the award of degree(21 scheme)

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION

Submitted by:

NAME : HANSINI D

USN : 1MV21ET011



INTERNAL GUIDE:
Ms. SANDHYA. B S
Asst Professor, ETE
Sir MVIT, Bangalore

EXTERNAL GUIDE
PRASAD. K
project manager
Compsoft Technologies



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

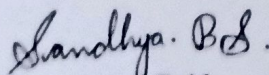
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Department of Electronics and Telecommunication Engineering
Accredited by NBA, New Delhi
Krishnadevarayanagar , Airport Road Bangalore 562157

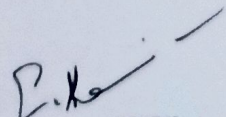


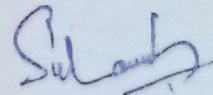
CERTIFICATE

This is to certify that the Internship titled **“Automated Parking System using ML”** carried out by **Ms. HANSINI D**, a bonafide student of **SIR M VISVESVARAYA Institute of Technology**, in partial fulfillment for the award of **Bachelor of Engineering**, in **ELECTRONICS AND TELECOMMUNICATION ENGINEERING** under **Visvesvaraya Technological University, Belagavi**, during the year **2023-2024**. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship.


Signature of Guide
Ms. Sandhya. BS
Asst Professor ETE
Sir MVIT, Bangalore


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


PRINCIPAL
Signature of Principal
Prof. Rakesh S. G
Principal
Sir MVIT, Bangalore

COMPANY CERTIFICATE



Compsoft Technologies

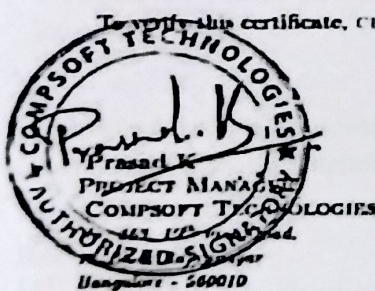
Providing a Complete Suite of IT Solutions


CERTIFICATE OF INTERNSHIP

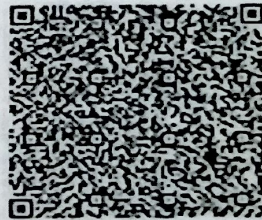
This is to certify that Hansini D whose USN is 1MV21ET011, has completed their Machine Learning with Python (Research Based) Internship organised and handled by Compsoft Technologies from 27th October, 2023 to 1st December, 2023.

The person to whom this certificate is addressed to has worked on a project titled Automated 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.



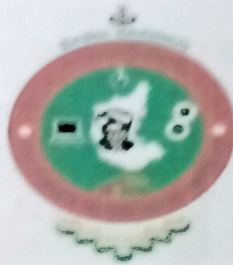
To verify this certificate, [CLICK HERE](#)  or scan.



www.compsofttechnologies.com
services@compsofttechnologies.com

This certificate was generated using CERTIFY.COM

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590018



SOCIETAL INTERNSHIP (2IINT68)
REPORT
ON
“ROBOTICS”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

HARIPRIYA. M. K

1MV21ET012

Internship carried out at

COMEDKARES Innovation Hub

Internal Guide:
Ms. Akila. P
Assistant Professor

External Guide:
Hemanth S Rao
Center Manager



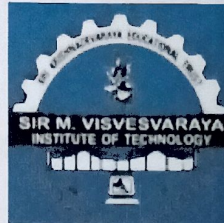
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157
2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that **HARIPRIYA. M. K (1MV21ET012)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **COMEDKARES, Bengaluru** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023–2024**.

Signature of Guide

Ms. Akila. P.

Assistant Professor

Dept of ETE

Signature of HOD

Dr. E. Kavitha

Professor & Head

Dept of ETE

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli,
Internal A.R. Road, Bengaluru-562 157

Signature of Principal

Prof. Rakesh S. G.

Principal

Sir MVIT, Bengaluru



CERTIFICATE OF COMPLETION

We hereby certify that

HARIPRIYA.M.K

From **Electronics And Telecommunication** with USN **TMV21ET012** from the **Sir. M. Visvesvaraya Institute Of Technology**, has successfully completed the **Robotics Internship** held at comedkares innovation Hub, **Yelahanka , Bengaluru** from **25th October 2023 to 30th November 2023**. We at Comedkares Innovation Hub, appreciate your participation and effort in the internship and wish you the best in your future endeavours.

Dr. S. Kumar
Executive Secretary - Comedkares

30th November 2023

Chapter 1 VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

“Machine Learning Using Python”

Submitted in partial fulfilment for the award of degree

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by: IRAMSABA MUQARRIB USTAD

1MV21ET013

Internal Guide
Ms. Irene Martina
Asst. Professor, ETE
Sir MVIT, Bangalore

External guide
Mrs. Spoorthi
The director,
Varcons Technologies



**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALI,
BENGALURU-562157.**

DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157



CERTIFICATE

This is to certify that the Internship titled **“Machine Learning With Python”** carried out by **IRAMSABA MUQARRIB USTAD**, a bonafide student of Sir M Visvesvaraya Institute of Technology, in partial fulfillment for the award of **Bachelor of Engineering**, in **ELECTRONICS AND TELECOMMUNICATION** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (21CSI85)

Irene Martina
22/7/24

Signature of Guide
Ms. IRENE MARTINA
Asst. Professor, ETE
SIR MVIT

P. K.

Signature of HOD
Dr. E KAVITHA
HOD and Professor,
ETE, SIR MVIT

Sulambh

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Hunasanahalli, Bengaluru-562157
Signature of Principal
Dr. RAKESH SG
Principal
SIR MVIT

Certificate



Varcons Technologies Pvt Ltd


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CERTIFICATE OF INTERNSHIP

This is to certify that **Iramsaba. Muqarrib. Ustad** whose USN is **1MV21ET013**, has completed their **Machine Learning With Python (Research Based)** Internship organised and handled by **Varcons Technologies Pvt. Ltd** from **27th October, 2023** to **1st December, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Lip to Speech synthesis**. 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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VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590 018



INNOVATION/ ENTREPRENURSHIP/ SOCIETAL INTERNSHIP (21INT68)

REPORT ON

“AUTOMATIC CAR PARKING SYSTEM”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

K SWATHI

1MV21ET014

Internship carried out at



Compsoft Technologies

Providing a Complete Suite of IT Solutions

Internal Guide

Ms. Savita A Harkude

Associate Professor, ETE



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

BENGALURU-562157

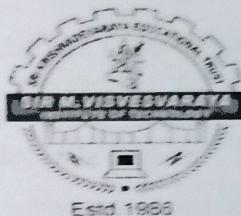
2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT ELECTRONICS AND TELECOMMUNICATION ENGINEERING

**CERTIFICATE**

This is to certify that **K SWATHI(1MV21ET014)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **TAKE IT EASY, Bengaluru** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

Signature of Guide

Ms. Savita A Harukde

Associate Professor

Dept of ETE

Sir MVIT, Bengaluru

Signature of HOD

Dr. E Kavitha

Professor & Head

Dept of ETE

Sir MVIT, Bengaluru

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnaswaraiah Road, Hebbal, Bengaluru-560074

Signature of Principal

Prof. Rakesh S G

Principal

Sir MVIT, Bengaluru

Certificate of Internship

This is to certify that **K SWATHI** whose USN is **1MV21ET014**, has completed their **Machine Learning with Python (Research Based)** Internship organized and handled by **Compsoft Technologies** from **27th October 2023** to **1st December 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Automated 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. To verify this certificate, [click here](#)



Technologies

Block Rajajinagar

Bangalore - 560010

www.compstechnologies.com
services@compstechnologies.com /st

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI -590018



INTERNSHIP REPORT

On

“AUTOMATED PARKING SYSTEM USING ML”

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION

Submitted by

NAME : KARTHIK REDDY

USN : 1MV21ET015

Conducted at



COMPSOFT TECHNOLOGIES

UNDER THE GUIDANCE OF

Internal Guide

Ms. Sandhya B S

Assistant Professor, ETE

Sir MVIT, Bengaluru

External guide

Mr. Prasad K

Project Manager

Bengaluru-560010



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU - 562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Department of Electronics and Telecommunication Engineering
Hunasamaranahalli, Bengaluru - 562157



CERTIFICATE

This is to certify that the Internship titled “Automated Parking System using ML” carried out by **Mr. KARTHIK REDDY D R**, a bonafide student of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**, inpartial fulfillment for the award of **Bachelor of Engineering**, in **ELECTRONICS AND TELECOMMUNICATION ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2023-2024. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship.

Sandhya. B S.

Signature of Guide
Ms. Sandhya. BS
Asst.Professor.ETE
Sir MVIT, Bangalore

E. Kavitha

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

S. Rakesh S. O.

Signature of Principal
Prof. Rakesh S. O.
Principal
Sir MVIT, Bangalore

COMPANY CERTIFICATE



Compsoft Technologies


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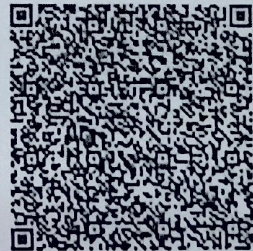
CERTIFICATE OF INTERNSHIP

This is to certify that **Karthik Reddy** whose USN is **1MV21ET015**, has completed their **Machine Learning with Python (Research Based)** Internship organised and handled by **Compsoft Technologies** from **27th October, 2023 to 1st December, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Automated 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.

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

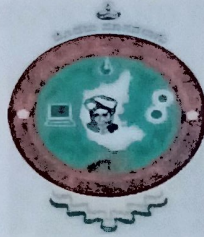


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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANASANGAMA, BELAGAVI – 590 018



INNOVATION/ ENTREPRENURSHIP/ SOCIETAL INTERNSHIP (21INT68)

REPORT

ON

“WEB DEVELOPMENT”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

KISHAN KUMAR

1MV21ET016

Internship carried out

BHARAT INTERN

Internal Guide:

Ms. Sudha. J

Assistant Prof.

Dept. Of ETE

External Guide:

Mr. Divayanath Singh

Head of Analytics

Bharat Intern



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)


DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

ENGINEERING



CERTIFICATE

This is to certify that **KISHAN KUMAR (1MV21ET016)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **BHARAT INTERN , Bengaluru** in partial fulfillment of the requirements as prescribed by the VTU for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

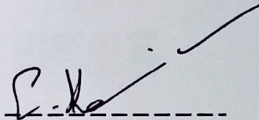


Signature of Guide

Mrs. Sudha. J

Assistant Prof.

Dept of ETE



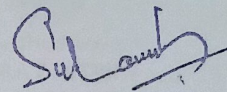
Signature of HOD

Dr. E Kavitha

Professor & Head

Dept of ETE

Sir MVIT, Bengaluru



PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Road, Bengaluru-562 157
International

Signature of Principal

Prof. Rakesh S G

Principal

Sir MVIT, Bengaluru

CERTIFICATE OF COMPLETION



Completion Certificate

Proudly Presented to

KISHAN KUMAR

successfully completed the Virtual Internship Program at
BHARAT INTERN in Web Development as an active
participant from March 10, 2024 to April 10, 2024.

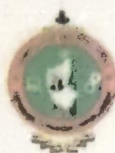


MSME
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES
भारत सरकार द्वारा स्थापित



Verified by,
BHARAT INTERN

VISVESVARAYATECHNOLOGICALUNIVERSITY
JNANASANGAMA, BELAGAVI-590018



INTERNSHIP REPORT
ON
“FULL STACK WEB DEVELOPMENT”

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

BACHELOR OF ENGINEERING
in
ELECTRONICS & TELECOMMUNICATION ENGINEERING
Submitted by:

MOHAMMED UWEZ
1MV21ET019

Internal Guide:
MADHU KUMARI
Professor
Dept. Of ETE ,SIRMVIT
Bengaluru-562157



External Guide:
SPOORTHY HC
Project Manager
Varcons Technologies
Bengaluru-560001



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

2023-2024

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

(Affiliated to Visvesvaraya Technological University , Belagavi ,Karnataka)

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING**



CERTIFICATE

This is to certify that **MOHAMMED UWEZ (1MV21ET019)**, a Bonafede student of Sir M. Visvesvaraya Institute of Technology, Bengaluru has satisfactorily completed Industrial training from **Varcons Technologies**, titled with **Full Stack Web Development** in partial fulfillment of the requirements as prescribed by the VTU for the award of Bachelor of Engineering in Electronics and Communication Engineering and submitted this report during the academic year 2023 – 2024.

Signature of the Guide
Prof. MADHU KUMARI

Professor
Dept of ETE

Madhu Kumari
24/07/24

Signature of HOD
Dr.E. KAVITHA

Professor &Head
Dept of ETE

Dr. E. Kavitha

Sulambh
PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Munasamaranahalli
International Airport Road, Bangalore-562157

Signature of Principal
Prof. Rakesh S.G.

Principal
Sir MVIT ,Bengaluru




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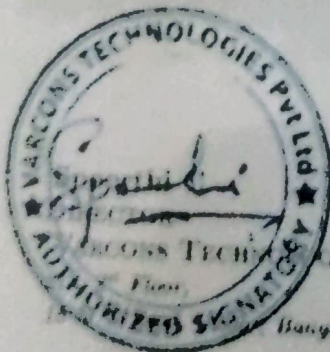
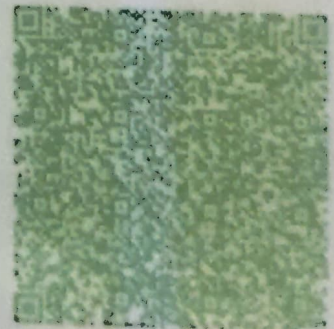
CERTIFICATE OF INTERNSHIP

This is to certify that Mohammed Uwez whose USN is 1MV21ET019, has completed their **Full Stack Web Development** Internship organised and handled by Varcons Technologies Pvt. Ltd from **27th October, 2023** to **1st December, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Template for Interactive Resume Generator Site**. 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](#)  OR [SCAN](#).



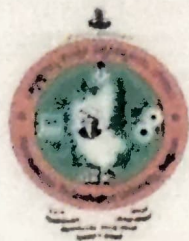
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VISVESVARAYATECHNOLOGICAL UNIVERSITY



BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT ON

“Smart Parking System”

Submitted in partial fulfilment for the award of degree (21INT68)

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND
TELECOMMUNICATION ENGINEERING**

Submitted by:

NAGARAJ ISHWAR NAIK

1MV21ET020

UNDER THE GUIDANCE OF

Internal Guide

Ms. VISHALIDEVI S S

ASSISTANT PROFESSOR

External Guide

Ms. SPOORTHY H C

VARCONS TECHNOLOGY

**Conducted at
VARCONS TECHNOLOGIES**



**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157.**

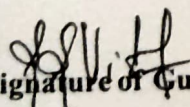
2023-24

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157

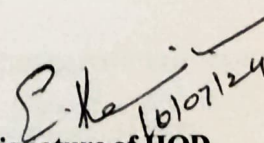


CERTIFICATE

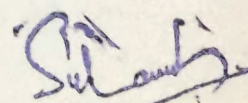
It is Certified that the 6th Semester Internship titled “Embedded System” is a bonafide work carried out by **NAGARAJ ISHWAR NAIK (1MV21ET020)** in partial fulfillment for the award of degree of Bachelor of Engineering in **Department of Electronics and Telecommunication (ETE) Engineering** of the Visvesvaraya Technological University, Belagavi, during the year 2023-24. The internship report has been approved as it satisfies the academic requirements with respect to the Internship work prescribed for Bachelor of Engineering Degree.


Signature of Guide

Ms. VISHALIDEVI S S
Assistant Professor, ETE
Sir MVIT
Bangalore


Signature of HOD

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


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
Internship Report
Signature of Principal

Prof. Rakesh S G
Principal
Sir MVIT
Bangalore

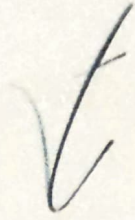
External Viva

Name of the Examiners

1.

2.

Signature with Date



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CERTIFICATE OF INTERNSHIP

This is to certify that **Nagaraj Ishwar Naik** whose USN is **1MV21ET020**, has completed their **Embedded Systems** Internship organised and handled by **Varcons Technologies** from **27th October, 2023** to **1st December, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Smart Parking System with ES**, 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](#)

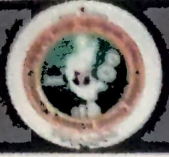


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VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

ON

“EMBEDDED SYSTEMS WITH IOT”

undertaken at

Varcons Technology

Submitted in partial fulfilment for the award of degree

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by:

NIKHITHA J

1MV21ET022

Internal Guide

Mrs. Irene Martina

Asst. Professor, ETE

Sir MVIT, Bangalore

External Guide

Mrs. Spoorthi

The Director

Varcons Technologies pvt ltd



**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157.**

DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157



CERTIFICATE

Certified that the INTERSHIP REPORT on "EMBEDDED SYSTEMS WITH IOT" regarding the internship undertaken at **"VARCONS TECHNOLOGY PVT. LTD."** is prepared by **NIKHITHA J** bearing **USN 1MV20ET022**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of **"Bachelor of Engineering"** in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Irene Martina
22/7/24

Signature of Guide
Ms. IRENE MARTINA
Asst. Professor, ETE
Sir MVIT, Bangalore

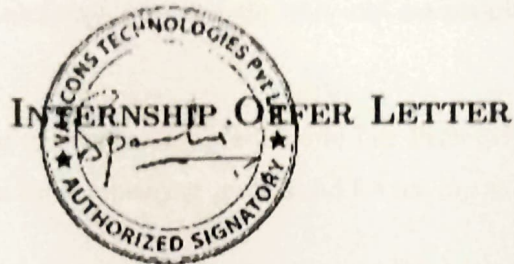
E. Kavitha

Signature of HOD
Dr. E KAVITHA
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore

S. Rakesh S. G.

Signature of Principal
Prof. Rakesh S. G.
Principal, Sir M. Visvesvaraya Institute of Technology
Krishna Nagar, Hunasamaranahalli
Bangalore-562157

OFFER LETTER

A handwritten signature in black ink, appearing to be 'S. Poorthi H. C.', located to the right of the circular stamp.
Varcons Technologies Pvt. Ltd.

Date: 25th October, 2023

Name: Nikhitha J
USN: 1MV21ET022
Placement ID: 13OCTESBONE

Dear Student,

We would like to congratulate you on being selected for the Embedded Systems with IOT Internship position with Varcons Technologies, effective Start Date 25th October, 2023, All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of Embedded Systems with IOT through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!

Sincerely,

Spoorthi H C
Director
VARCONS TECHNOLOGIES
213, 2nd Floor, 18 M G Road, Ulsoor,
Bangalore-560001

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590 018



INNOVATION/ ENTREPRENURSHIP/ SOCIETAL INTERNSHIP (21INT68)

REPORT ON

“AUTOMATIC CAR PARKING SYSTEM”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

PRIYANKA BLN

1MV21ET023

Internship carried out at



Compsoft Technologies

Providing a Complete Suite of IT Solutions

Internal Guide

Ms. Savita A Harkude

Associate Professor, ETE



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

BENGALURU-562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT ELECTRONICS AND TELECOMMUNICATION ENGINEERING

**CERTIFICATE**

This is to certify that **PRIYANKA BLN (1MV21ET023)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **TAKE IT EASY, Bengaluru** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

Signature of Guide**Ms. Savita A Harukde**

Associate Professor

Dept of ETE

Sir MVIT, Bengaluru

Signature of HOD**Dr. E Kavitha**

Professor & Head

Dept of ETE

Sir MVIT, Bengaluru

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

Principal

Sir MVIT, Bengaluru

Certificate of Internship

This is to certify that **PRIYANKA BLN** whose USN is **1MV21ET023**, has completed their **Machine Learning with Python (Research Based)** Internship organized and handled by **Compsoft Technologies** from **27th October 2023** to **1st December 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Automated 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. To verify this certificate, click here



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590 018



INNOVATION/ ENTREPRENEURSHIP/ SOCIETAL INTERNSHIP (21INT68)
REPORT
ON
“FULL STACK WEB DEVELOPMENT”

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

in
ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

PUSHP RAJ

1MV21ET024

Internship carried out at

TEKKYBENCH PRIVATE LIMITED

Internal Guide:

Dr. E. Kavitha

Professor & Head

Dept of ETE

External Guide:

Swathi P (Project Guide)



TEKKYBENCH
TECHNOLOGIES AND INNOVATION

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that **PUSHP RAJ (1MV21ET024)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **TEKKYBENCH PRIVATE LIMITED, Bengaluru** in partial fulfillment of the requirements as prescribed by the VTU for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

Signature of Guide

DR. E. KAVITHA

Professor & Head

Dept of ETE

Sir MVIT, Bengaluru

Signature of HOD

DR. E. KAVITHA

Professor & Head

Dept of ETE

Sir MVIT, Bengaluru

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hunsur, Mysore-57
International Airport Road, Bengaluru-562157

Signature of Principal

Dr. Rakesh S G

Principal

Sir MVIT, Bengaluru

CERTIFICATE



Ref: 231202154

Date: 02-12-2023

Internship Certificate

This is to certify that **MR. PUSHP RAJ** (USN: 1MV21ET024) of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**, studying in 3rd year has successfully completed an internship at TekkyBench.

Duration: **October 25, 2023 – November 29, 2023** (288 hours)

Position: **Full Stack Web Developer Intern**

During the internship period, **MR. PUSHP RAJ** has demonstrated exceptional dedication, enthusiasm, and commitment towards their assigned tasks as a Full Stack Web Developer Intern. They actively participated in the "Website for Anonymous Fundraising and Donating" project with the theme name Societal, showcasing their skills and professionalism.

During this period, the following tasks have been successfully performed:

- Collaborated with the development team to design, develop, and maintain responsive and user-friendly web pages for the project assigned, showcasing proficiency in the latest web development technologies and related tools.
- Assisted in website performance optimization, ensuring fast load times and a seamless user experience, while also conducting thorough testing and debugging to identify and resolve any issues.
- Actively contributed ideas and solutions during team meetings to enhance project outcomes, demonstrating effective collaboration and communication abilities.
- Showed adaptability and willingness to learn new technologies and frameworks, while consistently delivering high-quality results.

Throughout their internship, **MR. PUSHP RAJ** consistently displayed a strong work ethic, a passion for web development, and a commitment to delivering high-quality results. Their contributions to the project were valuable and greatly appreciated.

We believe that **MR. PUSHP RAJ** has shown great potential and a promising future as a Full Stack Web Developer. It was a pleasure having them as an intern at TekkyBench, and we are confident that they will continue to excel in their career.

This certificate is awarded as a recognition of **MR. PUSHP RAJ**'s successful completion of the Full Stack Web Developer Internship program at TekkyBench. We extend our best wishes for their continued growth and success.

Swathi P
Project Manager
TekkyBench



VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590 018



INNOVATION/ ENTREPRENURSHIP/ SOCIETAL INTERNSHIP (21INT68)

REPORT

ON

“Front End Web Development & UI-UX Designing”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

SAHIL Kr VERMA

1MV21ET025

Internship carried out at

Medivirt Labs, Bangalore

Internal Guide:

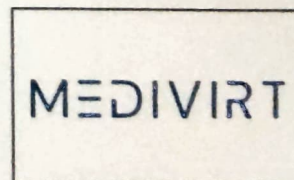
Dr. E Kavitha Ramesh

Professor & Head Dept of ETE

External Guide:

Mr. Mayuresh Sunny

Director, Medivirt Labs



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING



CERTIFICATE

This is to certify that **Sahil Kumar Verma (1MV21ET025)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **Medivirt Labs, Bangaluru** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

Signature of Guide

Dr. E. Kavitha Ramesh

Professor & Head

Dept of ETE

Sir MVIT, Bengaluru

Signature of HOD

Dr. E. Kavitha Ramesh

Professor & Head

Dept of ETE

Sir MVIT, Bengaluru

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
K. R. Narayana Murthy Road, Bengaluru-562157
International Hostel, Bengaluru-562157

Signature of Principal

Prof. Rakesh S. G.

Principal

Sir MVIT, Bengaluru

COMPANY CERTIFICATE

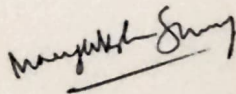
MEDIVIRT

INTERNSHIP CERTIFICATE

To Whom It May Concern

This is to certify that **Sahil Kumar** student of **Sir M. Visvesvaraya Institute of Technology, Bangalore** has completed the internship program at **Medivirt Labs** as **Front end web development** intern from **27/10/2023 to 29/11/2023**

During the course of internship, he demonstrated good design skills with a motivated attitude to learn new things. His conduct was satisfactory during the period.



Mayuresh Sunny
Director
Medivirt Labs

Date - 02/12/2023



+91-9972552952



meet@medivirt.com
www.medivirt.com



Office
Rayasur, Bangalore-56
Bangalore-560042

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belgavi-590018, Karnataka, India



An Internship Report On **WEB DEVELOPMENT**

Submitted in Partial Fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted By:

Student Name: SAMEER KUMAR USN: 1MV21ET026

**Carried out at
InternPe IT Services and
IT Consulting
(REMOTE)**

Under the Guidance of

Internal Guide

**Guide Name: Dr. E Kavitha
Designation: Professor & Head
Dept. Of ETE, SMVIT**

External Guide

**Guide Name: Ms. Richa
Designation: Co-Founder
Company Name: InternPe IT
Services and IT
Consulting**



Department of Electronics and Telecommunication Engineering

Sir M Visvesvaraya Institute of Technology

[Affiliated to Visvesvaraya Technological University, Belgaum]

Bengaluru-562157

2023-2024

Sir M Visvesvaraya Institute of Technology
[Affiliated to Visvesvaraya Technological University, Belgaum]
Bengaluru-562157
2023-2024



CERTIFICATE

Certified that the AICTE Activity Points Project entitled "**WEB DEVELOPER INTERNSHIP**" carried out by **Mr. Sameer Kumar** bearing **USN: 1MV21ET026** bonafide student of **Sir M V Institute of Technology** in partial fulfillment for the award 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 INTERNSHIP have been executed under the directions of **Ms. Richa**. The report has been approved as it satisfies the academic requirements in respect of INTERNSHIP prescribed for the said degree.

Signature of Guide

Dr. E Kavitha
Professor & Head
Dept of ETE
SIR MVIT

Signature of HOD

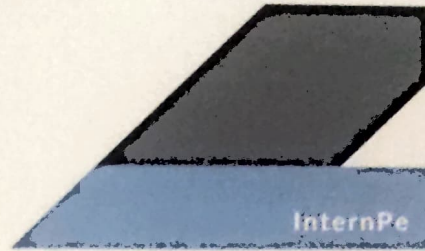
Dr. E Kavitha
Professor & Head
Dept of ETE
SIR MVIT

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hupasa, Maranahalli
International Airport Road, Bangalore-562 157

Dr. Rakesh SG
Principal
SIR MVIT

COMPLETION CERTIFICATE



INTERNSHIP COMPLETION CERTIFICATE

IPI#24455

To whomever it may concern

Dear SAMEER KUMAR,

This is to certify that you worked as an Intern in our company from
27-May-2024 to 23-June-2024.

Please find the internship details below:

Company Name: InternPe

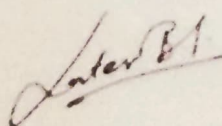
Domain: Web Development

Designation: Intern

During their working period, we found him/her to be a sincere and dedicated intern with a professional attitude and very good knowledge of the job.

We thank him/her for their efforts and contribution and wish him/her the best in future endeavors.

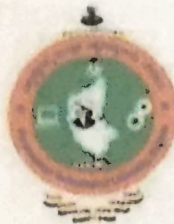
Yours Sincerely


(Co-Founder)
InternPe



www.internpe.in

VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

“Smart Parking System”

Submitted in partial fulfilment for the award of degree (21INT68)

**BACHELOR OF ENGINEERING IN ELECTRONICS AND
TELECOMMUNICATION ENGINEERING**

Submitted by:

SHANKIN POOVANNA K M

1MV21ET027

UNDER THE GUIDANCE OF

Internal Guide

Ms VISHALIDEVI SS

ASSISTANT PROFESSOR

Sir MVIT Bengaluru

External Guide

Ms SPOORTHY HC

VARCONS TECHNOLOGY

Conducted at

VARCONS TECHNOLOGIES



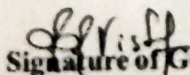
**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157.**

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157

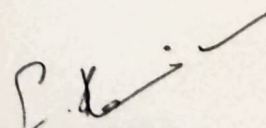


CERTIFICATE

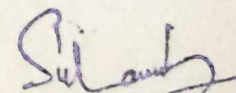
It is Certified that the 6th Semester Internship titled “Embedded System” is a bonafide work carried out by **SHANKHIN POOVANNA K M (1MV21ET027)** in partial fulfillment for the award of degree of Bachelor of Engineering in **Department of Electronics and Telecommunication (ETE) Engineering** of the Visvesvaraya Technological University, Belagavi, during the year 2023-24. The internship report has been approved as it satisfies the academic requirements with respect to the Internship work prescribed for Bachelor of Engineering Degree.


Signature of Guide

Ms. VISHALI DEVI SS
Assistant Professor, ETE
Sir MVIT
Bangalore


Signature of HOD

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


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SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
Internal No. 562 157
Signature of Principal

Prof. Rakesh S G
Principal
Sir MVIT
Bangalore

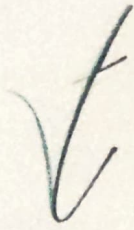
External Viva

Name of the Examiners

1.

2.

Signature with Date



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CERTIFICATE OF INTERNSHIP

This is to certify that **Shankhin poovanna km** whose USN is **1MV21ET027**, has completed their **Embedded Systems** Internship organised and handled by **Varcons Technologies** from **27th October, 2023** to **1st December, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Smart Parking System with ES**, 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.



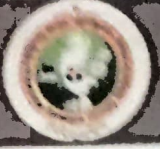
2137

18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com

contact@varconstech.com

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ವಿಜಯವರ್ಮಾ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ: ಬೆಲಗಾವಿ
VEERAVARMA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

(21INT68)

On

“PRINTED CIRCUIT BOARDS ASSEMBLY AND FABRICATION”

Undertaken at

INDIC ESM ELECTRONICS PVT. LTD.

Submitted in partial fulfillment of the requirement for the award of the *Degree*

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

For the Academic year 2023-2024

Report Submitted by:

Name: SHASHANK D R

USN:1MV21ET028

UNDER THE GUIDANCE OF

Internal Guide

Ms VISHALI DEVI S S

Asst. Professor, ETE
Sir MVIT, Bangalore

External guide

Name: Umesh Gouda A H

Designation: HR



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU - 562157

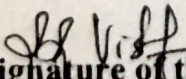
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

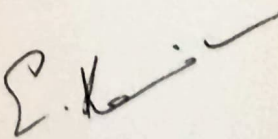


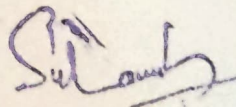
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
YEAR 2023-2024

CERTIFICATE

Certified that the INTERNSHIP REPORT on “**PRINTED CIRCUIT BOARD ASSEMBLY AND FABRICATION**” regarding the internship undertaken at “**INDIC EMS ELECTRONICS PVT. LTD.**” is prepared by SHASHANK D R bearing USN 1MV21ET028 , a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum, Karnataka State, India**, during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of the Guide
MS. VISHALI DEVI S S
Asst. Professor, ETE
Sir MVIT, Bangalore


Signature of HOD
Mrs. Dr E. Kavita
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore


PRINCIPAL
Signature of Principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnarajwadi, Bangalore-562 157
Prof. Rakesh S G
Principal
Sir MVIT, Bangalore

NAME OF THE EXAMINERS

SIGNATURE

1.

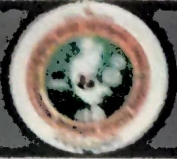
2.

INDIC
IND ELECTRONICS PVT. LTD.

Date: 24th November 2013

The management wishes all success for her future endeavour

Authorized Signature



VISVESVARAYA TECHNOLOGICAL UNIVERSITY - BELAGAVI

INTERNSHIP REPORT

ON

“MACHINE LEARNING WITH PYTHON”

undertaken at

Varcons Technology

Submitted in partial fulfilment for the award of degree

BACHELOR OF ENGINEERING IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by:

TANUSHREE A

1MV21ET029

Internal Guide

Mrs. Irene Martina

Asst. Professor, ETE

Sir MVIT, Bangalore

External Guide

Mrs. Spoorthi

The Director

Varcons Technologies pvt ltd



**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157.**

DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157



CERTIFICATE

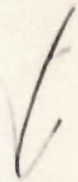
Certified that the INTERSHIP REPORT on “MACHINE LEARNING WITH PYTHON” regarding the internship undertaken at “VARCONS TECHNOLOGY PVT. LTD.” is prepared by TANUSHREE A bearing USN 1MV20ET029 , a bonafide student of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY. The report is in partial fulfilment of the requirements for the award of the degree of “Bachelor of Engineering” in Electronics and Telecommunication Engineering from the Visvesvaraya Technological University, Belgaum, Karnataka State, India, during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.

Irene Martina
22/7/24
Signature of Guide
Ms. IRENE MARTINA
Asst. Professor, ETE
Sir MVIT, Bangalore

E. Kavitha
Signature of HOD
Dr. E KAVITHA
Prof. & Head, Dept. of ETE
Sir MVIT, Bangalore

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

COMPLETION CERTIFICATE




Varcons Technologies Pvt Ltd
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CERTIFICATE OF INTERNSHIP

This is to certify that **Tanushree A** whose USN is **1MV21ET029**, has completed their **Machine Learning With Python (Research Based)** Internship organised and handled by **Varcons Technologies Pvt. Ltd** from **27th October, 2023** to **1st December, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Lip to Speech synthesis**. 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](#)  or scan.



VARCONS TECH PVT. LTD

(Bangalore - 560001)

www.varconstech.com
contact@varconstech.com

This certificate was generated using CERTIFYA.COM

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI -590018



INTERNSHIP REPORT

On

“AUTOMATED PARKING SYSTEM USING ML”

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by

NAME : THANUSH M

USN : 1MV21ET030

Conducted at



COMPSOFT TECHNOLOGIES

UNDER THE GUIDANCE OF

Internal Guide

Ms. Vishalidevi S S

Assistant Professor, ETE

Sir MVIT, Bengaluru

External guide

Mr. Prasad K

Project Compsoft Technologies

Bengaluru-560010



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU - 562157

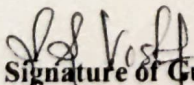
2023-24

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
BENGALURU-562157

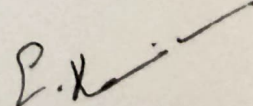


CERTIFICATE

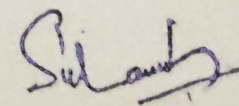
Certified that the **INTERNSHIP REPORT** on “**AUTOMATED PARKING SYSTEM USING ML**” regarding the internship undertaken at “**COMPSOFT TECHNOLOGIES**” is prepared by **THANUSH M** bearing **USN 1MV21ET030**, a bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**. The report is in partial fulfilment of the requirements for the award of the degree of “**Bachelor of Engineering**” in **Electronics and Telecommunication Engineering** from the **Visvesvaraya Technological University, Belgaum**, during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to the Department. The Internship report has been approved as it satisfies the academic requirement in respect to the work prescribed for the said Degree.


Signature of Guide

Ms. Vishalidevi S S
Assistant Professor
Dept. of ETE
Sir MVIT


Signature of HOD

Dr. E Kavitha
Professor & HOD
Dept. of ETE
Sir MVIT


Signature of Principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishna Nagar, Hosur Road, Bangalore-562 157
Internal Assessment
Prof. Rakesh S G
Principal
Sir MVIT

COMPANY CERTIFICATE



Compsoft Technologies


Providing a Complete Suite of IT Solutions

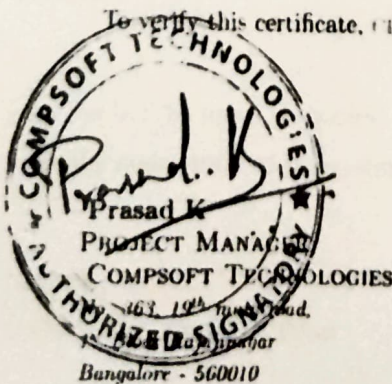
CERTIFICATE OF INTERNSHIP

This is to certify that **Thanush M** whose USN is **1MV21ET030**, has completed their **Machine Learning with Python (Research Based)** Internship organised and handled by **Compsoft Technologies** from **27th October, 2023** to **1st December, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Automated 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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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI -590018



INTERNSHIP REPORT

On

“AUTOMATED PARKING SYSTEM USING ML”

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION

Submitted by

NAME : UDAY KIRAN

USN : 1MV21ET031

Conducted at



COMPSOFT TECHNOLOGIES

UNDER THE GUIDANCE OF

Internal Guide

Ms. Sandhya B S

Assistant Professor, ETE

Sir MVIT, Bengaluru

External guide

Mr. Prasad K

Project Manager

Bengaluru-560010



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION & ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALI, BENGALURU - 562157

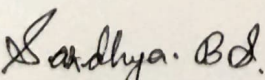
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Department of Electronics and Telecommunication Engineering
Hunasamaranahalli, Bengaluru - 562157

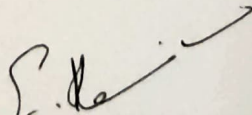


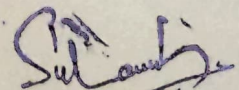
CERTIFICATE

This is to certify that the Internship titled “Automated Parking System using ML” carried out by **Mr. UDAY KIRAN**, a bonafide student of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**, inpartial fulfillment for the award of **Bachelor of Engineering**, in **ELECTRONICS AND TELECOMMUNICATION ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2023-2024. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship.


Signature of Guide
Ms. Sandhya BS
Asst. Professor. ETE
Sir MVIT, Bangalore


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


Signature of Principal
Prof. Rakesh S G
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishna Nagar, Hunasamaranahalli
Internal No. MVIT/ET/2023-24/Bangalore-562 157
Principal
Sir MVIT, Bangalore

COMPANY CERTIFICATE



Compsoft Technologies

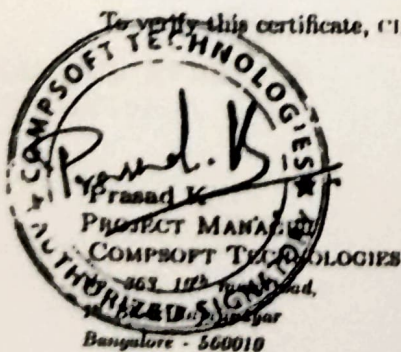
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CERTIFICATE OF INTERNSHIP

This is to certify that Karthik Reddy whose USN is 1MV21ET015, has completed their Machine Learning with Python (Research Based) Internship organised and handled by Compsoft Technologies from 27th October, 2023 to 1st December, 2023.

The person to whom this certificate is addressed to has worked on a project titled Automated 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.



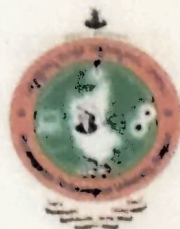
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

“AUTOMATED PARKING SYSTEM USING ML”

Submitted in partial fulfilment for the award of degree(21 scheme)

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION

Submitted by:

NAME : VARSHITHA P

USN : 1MV21ET032



Conducted at
COMPANY NAME



SIR M .VISVESVARAYA INSTITUTE OF TECHNOLOGY
Department of Electronics and Telecommunication Engineering
Accredited by NBA, New Delhi

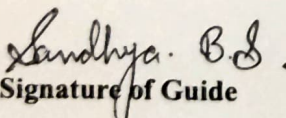
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Department of Electronics and Telecommunication Engineering
Accredited by NBA, New Delhi
Krishnadevarayanagar , Airport Road Bangalore 562157

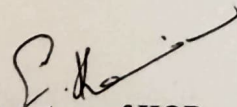


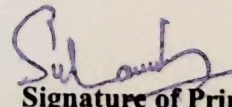
CERTIFICATE

This is to certify that the Internship titled “Automated Parking System using ML” carried out by **Mrs VARSHITHA P**, a bonafide student of abc Institute of Technology, in partial fulfillment for the award of **Bachelor of Engineering**, in **ELECTRONICS AND TELECOMMUNICATION ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (21INT48)


Signature of Guide


Signature of HOD


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

Name of the Examiner

External Viva:

Signature with Date

1) _____

2) _____

Internship report

2023-24

2

OFFER LETTER



Date: 25th October, 2023

Name: Varshitha P
USN: 1MV21ET032
Placement ID: 23OCTMLBONE

Dear Student,

We would like to congratulate you on being selected for the **Machine Learning with Python (Research Based)** Internship position with **Compsoft Technologies**, effective Start Date **25th October, 2023**. All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of **Machine Learning with Python (Research Based)** through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!

Sincerely,

Nithin K. S
Project Manager
COMPSOFT TECHNOLOGIES
No. 363, 19th main road,
1st Block Rajajinagar
Bangalore - 560010

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590 018



INNOVATION/ ENTREPRENURSHIP/ SOCIETAL INTERNSHIP (21INT68)

REPORT ON

“AUTOMATIC CAR PARKING SYSTEM”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

YASHASWINI S

1MV21ET033

Internship carried out at



Compsoft Technologies

Providing a Complete Suite of IT Solutions

Internal Guide

Ms. Savita A Harkude

Associate Professor, ETE



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

BENGALURU-562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka)

DEPARTMENT ELECTRONICS AND TELECOMMUNICATION ENGINEERING

**CERTIFICATE**

This is to certify that **YASHASWINI S (1MV21ET033)**, a bonafide student of **SIR M. Visvesvaraya Institute of Technology, Bengaluru** has satisfactorily completed Industrial training from **TAKE IT EASY, Bengaluru** in partial fulfillment of the requirements as prescribed by the **VTU** for the award of **Bachelor of Engineering in Electronics and Telecommunication Engineering** and submitted this report during the academic year **2023 – 2024**.

Signature of Guide**Ms. Savita A Harukde**

Associate Professor

Dept of ETE

Sir MVIT, Bengaluru

Signature of HOD**Dr. E Kavitha**

Professor & Head

Dept of ETE

Sir MVIT, Bengaluru

PRINCIPAL**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**
Krishnadevarayanagar, Hunsur, Mysore Road,
International Airport Road, Bangalore-562 157**Signature of Principal****Prof. Rakesh S G**

Principal

Sir MVIT, Bengaluru

Certificate of Internship

This is to certify that **YASHASWINI S** whose USN is **1MV21ET033**, has completed their **Machine Learning with Python (Research Based)** Internship organized and handled by **Compsoft Technologies** from **27th October 2023** to **1st December 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Automated 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

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JNANA SANGAMA, BELAGAVI -590018



INTERNSHIP REPORT

On

“AUTOMATED PARKING SYSTEM USING ML”

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

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION

Submitted by

NAME : KOTA MADHU LATHA

USN : 1MV21ET034

Conducted at



COMPSOFT TECHNOLOGIES

UNDER THE GUIDANCE OF

Internal Guide

Dr. E Kavitha

Prof. & Head, Dept. of ETE

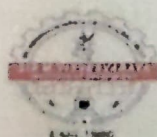
Sir MVIT, Bengaluru

External guide

Mr. Prasad K

Project Manager

Bengaluru-560010



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

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Department of Electronics and Telecommunication Engineering
Hunasamaranahalli, Bengaluru - 562157



CERTIFICATE

This is to certify that the Internship titled "Automated Parking System using ML" carried out by **Kota Madhu Latha** a bonafide student of **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**, inpartial fulfillment for the award of **Bachelor of Engineering**, in **ELECTRONICS AND TELECOMMUNICATION ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2023-2024. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respectof Internship prescribed for the course Internship.

Signature of Guide

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

Signature of HOD

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

PRINCIPAL

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

Signature of Principle

Prof. Rakesh S G
Principal
Sir MVIT, Bangalore

INTERNSHIP CERTIFICATE



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CERTIFICATE OF INTERNSHIP

This is to certify that **Kota Madhu Latha** whose USN is **1MV21ET034**, has completed their **Machine Learning with Python (Research Based)** Internship organised and handled by **Compsoft Technologies** from **27th October, 2023** to **1st December, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Automated 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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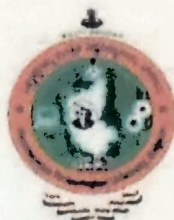
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BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

“Machine Learning Using Python”

Submitted in partial fulfilment for the award of degree

BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Submitted by:

KARTHIK RAMESH

1MV21ET035

Internal Guide

Guide Name: Ms.Irene Martina.

Designation: Asst. Professor

Dept. Of ETE, SMVIT

External Guide

Guide Name: Mrs. Spoorthi

Designation: Director

**Company Name: Varcons
Technologies Pvt Ltd**



**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157.**

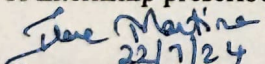
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SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY
HUNASAMARANAHALLI,
BENGALURU-562157

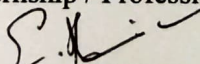


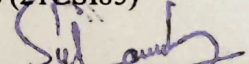
CERTIFICATE

This is to certify that the Internship titled **“Machine Learning With Python”** carried out by **Karthik Ramesh**, a bonafide student of Sir M Visvesvaraya Institute of Technology, in partial fulfillment for the award of **Bachelor of Engineering**, in **ELECTRONICS AND TELECOMMUNICATION** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (21CSI85)


Signature of Guide
Ms. IRENE MARTINA
Asst. Professor, ETE
SIR MVIT


Signature of HOD
Dr. E KAVITHA
HOD and Professor,
ETE, SIR MVIT


Signature of Principal
Dr. RAKESH S
Principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hunasamaranahalli
Internal Bangalore-562 157

COMPLETION CERTIFICATE




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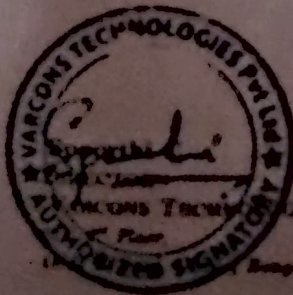
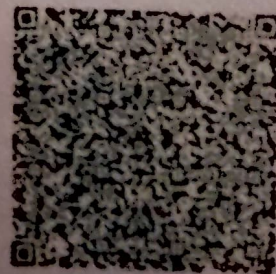
CERTIFICATE OF INTERNSHIP

This is to certify that Karthik Ramesh whose USN is 1MV21ET035, has completed their Machine Learning With Python (Research Based) Internship organised and handled by Varcons Technologies Pvt. Ltd from 27th October, 2023 to 1st December, 2023.

The person to whom this certificate is addressed to has worked on a project titled Lip to speech synthesis. 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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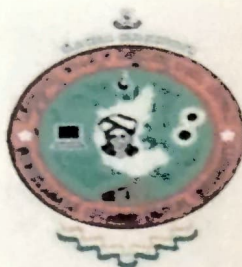
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Bangalore-560091

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contact@varconstech.com

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI – 590 018



SOCIETAL INTERNSHIP (21INT68)

REPORT

ON

“ROBOTICS”

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

BACHELOR OF ENGINEERING

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Submitted by:

ABHISHEK REDDY G.V.

1MV22ET400

Internship carried out at

COMEDKARES Innovation Hub

Internal Guide:

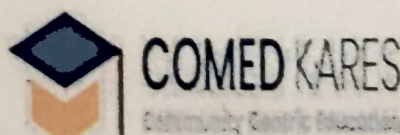
Ms. SUDHA J

Assistant Professor, Dept of ETE

External Guide:

Hemanth S Rao

Center Manager



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

2023-2024

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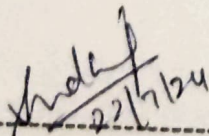
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

ENGINEERING

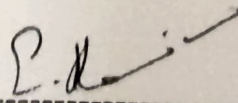


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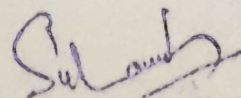
This is to certify that ABHISHEK REDDY G.V. (1MV22ET400), a bonafide student of SIR M. Visvesvaraya Institute of Technology, Bengaluru has satisfactorily completed Industrial training from COMEDKARES, Bengaluru in partial fulfillment of the requirements as prescribed by the VTU for the award of Bachelor of Engineering in Electronics and Telecommunication Engineering and submitted this report during the academic year 2023 – 2024.


22/5/24

Signature of Guide
Ms. SUDHA J
Assistant Professor
Dept. of ETE
Sir MVIT, Bengaluru



Signature of HOD
Dr. E. Kavitha
Professor & Head
Dept. of ETE
Sir MVIT, Bengaluru



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

Signature of Principal
Dr. Rakesh S. G.
Principal
Sir MVIT, Bengaluru



CERTIFICATE OF COMPLETION

We hereby certify that

Abhishek Reddy GV

From **Electronics & Communication Engineering** with USN **IMV22ET400** from the **Sir. M. Visvesvaraya Institute Of Technology** has successfully completed the **Robotics Internship** held at comedkares innovation Hub, **Yelahanka, Bengaluru** from **25th October 2023** to **30th November 2023**. We at Comedkares Innovation Hub, appreciate your participation and effort in the internship and wish you the best in your future endeavours.

Dr. S. Kumar

Executive Secretary - Comedkares

30th November 2023