

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Tanish . M. Kunjir

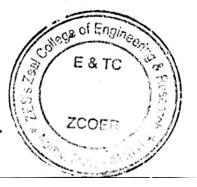
has successfully completed the termwork in

Subject Base Learning

as per syllabus of the Savitribai Phule Pune University during the academic year 20 2 3 - 20 24

Sem. TY

Date:



ZEAL COLLEGE OF ENGINEERING AND RESEARCH

NARHE, PUNE - 411041

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIO ENGINEERING



CERTIFICATE

Certified that the project work entitled "DC MOTOR SPEED AND LED BRIGHTNESS CONTROLLER CIRCUIT USING PWM" carried out by Mr. KHADE SANKET KAILAS,... Mr.KARNDE PRASHANT SANJAY, Mr.KADAM SHREYASH SURYANT

and Mr. ADITYA SANJAY JADHAV Bonafide students of ZCOER, in partial fulfillment for the award of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune 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 departmental library.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

CVPATII

Professor

Dept. of E&TC, ZCOER

Dr. V. A. Mane

HOD

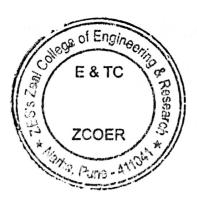
Dept. of E&TC, ZCOER

Dr. A. M. Kate

Principal

ZCOER

Name of the examiners



Signature with date

Roll No.: 5311037



Exam. Seat No.: S190533038

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Om Shivaji Hagawane
has successfully completed the termwork in

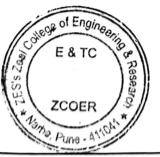
Subject Project Based Learning

as per syllabus of the Savitribai Phule Pune University during the academic year 2023 - 2024

Sem. IV

Date:

Staff Member





CERTIFICATE

2023-24

This is to certify that the project titled

DOOR SAFETY ALARAM

submitted by,

Sahil Arote(S311007)

is the bonafide record of work done by him under my supervision, in partial fulfillment of the requirement of the graduate degree course in Electronics and Telecommunication Engineering in Zeal college of Engineering of University of Pune.

Date:

Place:

Prof C.V Patil

(PBL Guide)

Prof V.A Mane

(HOD)

Department of E&TC



<u>CERTIFICATE</u>

<u>2023-24</u>

This is to certify that the project titled

Function Generator

submitted by,

Prathamesh Bhosale(S311014)

is the bonafide record of work done by him under my supervision, in partial fulfillment of the requirement of the graduate degree course in Electronics and Telecommunication Engineering in Zeal college of Engineering of University of Pune.

Date:

Place:

Prof C.V Patil

(PBL Guide)

Tage College of English Boring & Rose College of English & Rose Co

Prof V.A Mane

(HOD)

Department of E&TC

Roll No.:

Exam. Seat No.:



Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Yash Sadin Jagtap

has successfully completed the termwork in

Subject Probject Based learning

as per Syllabus of the Savitribai Phule Purre University during the academic year 2023 - 2024

Sem.

Date:







ZEAL COLLEGE OF ENGINEERING AND RESEARCH PUNE-411046

CERTIFICATE

THIS IS TO CERTIFY THAT

YASH DATTATRAY CHOUDHARY(S311073)

OMKAR SHRIKANT HARIHAR(S311076)

PIYUSH MAHANTESH JADHAV(S311077)

ANIKET ANANDRAO KADAM(S311078)

HAVE SUCCESSFULLY SUBMITTED THEIR PROJECT

"Temperature control fan using Arduino and LM-35"

DURING ACADEMIC YEAR 2023-24 IN B.E COURSE OF SECOND YEAR ELECTRONICS AND TELECOMMUNICATION ENGINEERING

PROF.CV.PATIL

GUIDE



Dr.V.A.MANE HOD

Department of Electronics and Telecommunications

CERTIFICATE

This is to certify that the report entitled "AUTOMATIC BRAKING SYSTEM" submitted by Mr. Harsh Jitendra Gugale(S311036), Miss. Prerna Hema Jadhav (S311042), Mr. Ayush Bandu Jamdhade (S311045), Miss. Gitanjali Dattatraya Khochare (S311056), to the Zeal College of Engineering and Research, Narhe, Pune in partial fulfilment of the requirements for the award of the Project Based Learning in Second Year Engineering is a bonafide record of the project work carried out by him under our guidance and supervision. This report in any form has not been submitted to any other Universities or institutes for any purpose.

Del

Prof.C.V.Patil

OER THE AND PARE AND

н



This is to certify that Miss.Pooja.B.Kulkarni Roll No.60 of Semester IV of Engineering in Electronics and Telecommunication of Institute Zeal College of Engineering and Reasearch has completed the Project satisfactorily in Subject Project Based Learning for the academic year 2023 – 2024 as prescribed in the curriculum.

Place: Pune

Date: 24/4/24

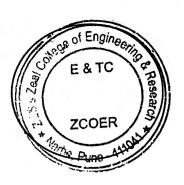
Subject Teacher

Prof.C.V.Patil

Roll No: S311060

Exam. Seat No: ____

Head of Department





This is to certify that Mast. Aditya Ambadkar Roll No.04 of Semester IV of Engineering in Electronics and Telecommunication of Institute Zeal College of Engineering and Reasearch has completed the Project satisfactorily in Subject Project Based Learning for the academic year 2023 – 2024 as prescribed in the curriculum.

Place: Pune

Date:

Roll No: S311004

Exam. Seat No: 5190533007

Subject Teacher

Prof.C.V.Patil

Head of Department





This is to certify that Miss.Tanuja Dhawale Roll No.22 of Semester IV of Engineering in Electronics and Telecommunication of Institute Zeal College of Engineering and Reasearch has completed the Project satisfactorily in Subject Project Based Learningfor the academic year 2023 – 2024 as prescribed in the curriculum.

Place: Pune

Roll No: S311022

Date: 24-4-24

Exam. Seat No: 5819053302

Subject Teacher

Prof.C.V.Patil

E & TC E & TC ZCOER LA

Head of Department



This is to certify that Mast. Bibhishan Dhere Roll No.24 of Semester IV of Engineering in Electronics and Telecommunication of Institute Zeal College of Engineering and Reasearch has completed the Project satisfactorily in Subject Light Sensitivity Alaram the academic year 2023 – 2024 as prescribed in the curriculum.

Place: Pune

Date:

Roll No: S311024

Exam. Seat No: __

Subject Teacher

Prof.C.V.Patil

Head of Department





This is to certify that Mast. Sahil Bhagat Roll No.71 of Semester IV of Engineering in Electronics and Telecommunication of Institute Zeal College of Engineering and Reasearch has completed the Project satisfactorily in Subject Project Based Learningfor the academic year 2023 – 2024 as prescribed in the curriculum.

Place: Pune

Date:

Subject Teacher

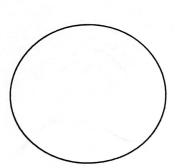
Prof.C.V.Patil

E & TC

Research

ZCOER

* Name, Pune - ATTOM



Roll No: S311071

Exam. Seat No: <u>515053</u>3013

Head of Department



This is to certify that Miss Lendave Aishwarya Roll No.66 of Semester IV of Engineering in Electronics and Telecommunication of Institute Zeal College of Engineering and Reasearch has completed the Project satisfactorily in Subject Project Based Learningfor the academic year 2023 – 2024 as prescribed in the curriculum.

Place: Pune

Roll No: S311066

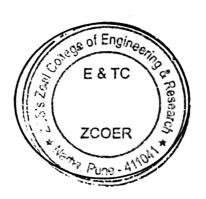
Date:

Exam. Seat No: _____

Subject Teacher

Prof.C.V.Patil

Head of Department





Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "CLEAN SAILOR" submitted by Bhatt Bhakti Naresh (T311003), Shinde Sayali Pravin (T311065), Thombare Ajay Kakasaheb (T311069) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24

Prof. P.A.Khade

Guide

E & TC OF RESIDENCE OF TO SERVICE OF THE SERVICE OF

Prof.V.A.Mane

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION



Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "AUTOMATED HUMAN FOLLOWING TROLLY WITH BLUETOOTH CONTROL" submitted by Yogita Raut (T311053), Aditi Shinde (T311060), Nayanshi Wasnik (T311073) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24

Prof. P.A.Khade

Guide

2 Champing Control of the State of the State

Prof. V.A.Mane

ZEAL COLLEGE OF ENGINEERING AND RESEARCH

NARHE, PUNE - 411041

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIO ENGINEERING

CERTIFICATE

Certified that the project work entitled "HOME AUTOMATION" carried out by Ms. SAKSHI KAMBLE(T311031), Ms. DHANSHRI KENJALE(T311031) and Mr. DNYANESHWAR SUVARNKAR(T311068) Bonafide students of ZCOER, in partial fulfillment for the award of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune 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 departmental library.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Prof.P.A.Khade

GUIDE

Dept. of E&TC, ZCOER

Dr. V. A. Mane

HOD
Dept. of E&TC, ZCOER

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION



Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "ACCIDENT PREVENTION SYSTEM" submitted by Rawjiwar Aditya vitthal (T311054), Satpute Vaibhav Krushna(T311058), Sawant Suraj Mahadev(T311058) is the bonafide

record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24

Prof. P.A.Khade

Guide

Prof.V.A.Mane

for L

Head of

Department

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION



Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "RFID BASED INVENTORY TRACKING SYSTEM" submitted by HIRAL MANOJ PATEL (T311041), SANIKA DATTATRAY SHINDE (T311064), MAYUR MARUTI KAMBLE (T311030) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24

Prof. P.A.Khade

Guide

Prof.V.A.Mane

Head of

Department



Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "Solar Panel Cleaning Robot" submitted by Atharv Baban Barge(T311001), Yash Yogesh Bhagat (T311002), Avishkar Bhagawat Chavan (T311009) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24

Prof. P.A.Khade

Guide

Prof.V.A.Mane



Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "AUTOMATIC BRIDGE HEIGHT INCREASE WHEN FLOODING" submitted by Bhusare prasad Balasaheb= (Roll No: T311006), BORUDE AKASH DNYANDEO= (Roll No: T311008), DHAKNE VAISHNAVI SHIVAJI= (Roll No: T311012), SANKPAL SAKSHI UMAKANT = (Roll No: T311055)

is the bonafide record of work done by him/her under my supervision, in partial fulfilment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24

Prof. P.A.Khade

Guide

Total College of Engineering & A.C.

Prof. V.A.Mane



Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "TEMPRATURE BASED FAN SPEED CONTROL AND MONITORING USING ARDUINO" submitted by Nikam Rohit Dipak (T311040), Patil Kaustubh Sunil (T311044), Pokharkar Tejas Babasaheb (T311050) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24.

Prof. Prashant Khade Guide



Prof.V.A.Mane
Head of Department



Zeal College of Engineering & Research, Pune

Narhe.Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "Solar Tracking System" submitted by Kade Dnyaneshwari Ankush(T311026), Kakade Neha

Pandit(T311027),Patil Dhanashri Appaso (T311043) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College ofEngineering & Research, Narhe, Pune for the academic year of 2023-24

Prof.P.A.Khade

Guide

Prof.V.A.Mane
Head

ofDepartment



Zeal College of Engineering & Research, Pune Narhe, Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "THIRD EYE FOR BLIND" submitted by Bomble Yash Sandip (T311007), Gujar Sakshi Ganesh (T311017), Jadhav Shruti Sachin (T311020) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24

E&TC

ZCOEF

Prof. P.A.Khade

Guide

Prof.V.A.Mane

DEPARTMENT OF

ELECTRONICS AND TELECOMUNICATION ENGINEERING

Zeal College of Engineering & Research,

Narhe, Pune, Maharashtra411041



CERTIFICATE

This is to certify that the seminar report entitled "Smart Blind Stick" submitted by Gauri Santosh Kulkarni(T311033), Tejas Ganesh Mali(T311037), Krishna Tanaji Patil(T311045) is the Bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2923-24

Prof.P.A.Khade

Guide

Prof.V.A.Mane



Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "IV BAG MONITORING SYSTEM" submitted by Shinde Rutuja Nanasaheb (T311062), Shirsat Pranav Sharad (T311066), Yadav Gauri Vitthal (T311074) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24

Prof. P.A.Khade Guide 200E2 30

Prof.V.A.Mane
Head of
Department



Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "Password Based Door Lock System" submitted by Rushikesh Pathak (T311042), Diksha Bhul (T311005), Sanika Chengde (T311010) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic

year of 2023-24

12/04/2021

Prof. P.A.Khade

Guide

E & TO

Prof.V.A.Mane

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION



Zeal College of Engineering & Research, Pune Narhe. Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "Automatic Plant watering system" submitted by Purva Pokale (Roll No: T311049)

Prajakta Jagtap (Roll No: T311022) Niranjan Kale (Roll No: T311029) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2023-24

Prof. P.A.Khade Guide E-& TC ZCOER ZCOER

rof. WA.Man Head of Department



Zeal College of Engineering & Research, Pune

Narhe.Pune-411041

CERTIFICATE FOR CONDUCTION OF EXAM

This is to certify that the seminar presentation of Patil Sanket Subhash (T311046), Pawar Sanjivani Sanjay(T311047), Phadtare Siddharth Baburao (T311048) with seminar title "Air Quality Monitoring System" has been held on at Department of Electronics and Telecommunication Engineering, Zeal College of Engineering & Research, Narhe, Pune-411041.

Prof.P.A.Khade

Guide E & TC

Examiner Page 19



Zeal College of Engineering & Research, Pune

Narhe, Pune-411041

CERTIFICATE

This is to certify that the mini project report entitled "Home automation using voice assistant" submitted by Ashish Dhawade (T311013), Sujay kadam (T311025), Yash More (T311038) is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electronic and Telecommunication Engineering from Zeal College of Engineering & Research, Narhe,

PA

Prof. Prashant Khade

Pune for the academic year of 2023-24.

Guide

Prof. V.A. Mane

Zeal Education Society
Zeal College of Engineering & Research,

Narhe Pune - 411 041



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

ENGINEERING

Certificate

This is to certify that the project entitled "Smart Portable Medicine Box" is bonafide work carried out by following students.

1. Dangare Abhishek Anil	Seat No.B190533013
--------------------------	--------------------

2. Shinde Rushikesh Bapusaheb Seat No. B190533054

3. Sanap Pradip Ajinath Seat No. B190533057

4. Wankhede Shruti Dhanraj Seat No. B190533075

In partial fulfillment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, during the year 2017-18. It is certified that the Dissertation report has been approved as it satisfies the academic requirements respect to project stage II work prescribed for the Bachelor of Engineering Degree.

Dr V.A. Mane

Head Of Department, Project Guide **Prof. P.A More**

Project Co-ordinator

Dr A. M. Kate
Principal

External Examiner

A Project Report on

REMOTELY CONTROLLED SMART ELECTRIC VEHICLE USING ADVANCED EMBEDDED SYSTEM

Submitted to the Savitribai Phule Pune University, Pune in partial Fulfillment of the Requirements for Graduate Degree Course

in

Electronics and Telecommunication Engineering

Submitted By

SACHIN DHANGAR (B190533018) OM JADHAV (B190533028) OMKAR YADAV (B190533071)

Under the Guidance of Prof. POOJA MENON



DEPARTMENT OF
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
ZEAL EDUCATION SOCIETY'S
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,
NARHE, PUNE-411041

Academic Year: 2023-2024

[2023-2024]

Zeal Education Society's

Zeal College of Engineering and Research

Narhe, Pune -411041



CERTIFICATE

This is to certify that Miss. Lohar Shruti, Miss. More Sakshi,

Miss. Tathe Prerana, Miss. Dal Divya has successfully completed the Project

Stage – II entitled "SMART POLY HOUSE MONITORING SYSTEM" under my supervision, in the partial fulfillment of Bachelor of Engineering –Electronics and telecommunication Engineering of Savitribai Phule University of Pune.

Date: 29/5/2024

Place: Nanhe

Prof. G. S. Kadam

Project Guide

Dr. V. A. Mane

Head of Department

E & TC

ZCOER

ZCOER

ZCOER

ANOM

**

ZCOER

Prof. P.A More

project coordinator

Dr. A. M. Kate

Principal

ZEAL COLLEGE OF ENGINEERING AND RESEARCH

NARHE, PUNE - 411041

DEPARTMENT OF LECTRONICS AND TELECOMMUNICATIO ENGINEERING



CERTIFICATE

This is to certify that the project stage II entitled "COLOR BASED SORTING MACHINE" is Bona- fide work carried out by following students -

Vaishnavi Pathak [B311040]

Shubham Nanaware [B311038]

Vinay Dhangar [B311009]

In fulfilment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune during the year 2023-24. It is certified that the project stage II report has been approved as it satisfies the academic requirements respect to project stage II work prescribed for the Bachelor of Engineering Degree.

Ganesh Kadam

Guide

Prof.

Examine

Dr.V.A.Mane

HOD

r.A.M.Kate

Principal

Zeal Education Society's Zeal College of Engineering & Research, Narhe, Pune-411 041



Department of Electronics and Telecommunication Engineering

CERTIFICATE

This is to certify that the project stage II entitled "IOT-based Pipe-Inspection and Cleaning Robot" is bonafide work carried out by following students

1. Supriya Sunil kamble	[B311024]
2. Shubham V. Kalamkar	[B311022]
3 Sahil S Kurhade	[B311030]

In partial fulfillment for the award of the degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune during the year 2023-24. It is certified that the project stage II report has been approved as it satisfies the academic requirements with respect to project stage II work prescribed for the Bachelor of Engineering Degree.

Dr. Himanshu Chaurasiya

i mangh

Guide

Prof.P.A.More Project Coording Dr. W. A. Mane

HOD **Principal**

Winer.

ZCOER



Zeal Education Society's

Zeal College of Engineering and Research, Narhe, Pune-411041 (SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE)



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that project stage II entitled "Auto Loop Charging for Ev's" is bonafide work carried out by the following students,

1) Shravani Patil Exam Seat No. B190533049
2) Aditi Niphade Exam Seat No. B190533146
3) Kunal Thakare Exam Seat No. B190533070
4) Pratham Suryavanshi Exam Seat No. B190533067

In partial fulfillment for the award degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune during the year 2023-2024. It is certified that the project stage II report has been approved as it satisfies the academic requirements with respect to project stage II work prescribed for the Bachelor of Engineering Degree.

Prof. Ajit Kadam

Guide

External Examiner

Dr. V.A. MANE

ad oché Deparmen

Dr. AJIT.M.

KATE Principal

ZCOER DEPARTMENT OF LECTRONICS AND TELECOMMUNICATION ENGINEERING 2023-24

Zeal Education Society's Zeal College of Engineering & Research, Narhe, Pune-411 041



Department of Electronics and Telecommunication Engineering

CERTIFICATE

This is to certify that the Project Stage II entitled "Plant Leaf Disease Detection using Image Processing" is bonafide work carried out by following students

1. Rohan Abhay Bhosale

2. Aniket Bhagawat Paul

3. Sahil Ganesh Shinde

Exam Seat No: B190533006

Exam Seat No: B190533082

Exam Seat No: B190533061

In partial fulfilment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune during the year 2023-24. It is certified that the project stage II report has been approved as it satisfies the academic requirements respect to project stage II work prescribed for the Bachelor of Engineering Degree.

Prof. Pooja Menon Guide

Prof.P.A.More Coordinator

Prof. V. A. Mane HOD

Principal

Zeal Education Society's ZEAL COLLEGE OF ENGINEERING & RESEARCH, NARHE, PUNE – 411041 (Affiliated to Savitribai Phule Pune University)



Department of Electronics and Telecommunication Engineering

CERTIFICATE

This is to certify that the Project Stage II entitled "IOT BASED SMART AGRICULTURE / GARDENING" is Bonafide work carried out by following students

Shivani Rajendra Bhongale
 Tanmay Vilas Pawar
 Ajay Ashok Thorat
 B190533005
 B190533052
 B190533071

In partial fulfilment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune during the year 2023-24. It is certified that the project stage II report has been approved as it satisfies the academic requirements respect to project stage II work prescribed for the Bachelor of Engineering Degree.

Prof. C. V. Patil
Guide

Prof. P. A. More

Coordinator

Dr. V.A. Mane

HOD

Dr. A. M. Kate

Principle

E&TC ZCOER *

External Examiner

ZEAL COLLEGE OF ENGINEERING AND RESEARCH

NARHE, PUNE - 411041

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIO ENGINEERING



CERTIFICATE

Certified that the project work entitled "SMART PARKING SYSTEM using IoT" carried out by

1. GUPTA ABHISHEK PREMKUMAR

2. SINGH ABHISHEK MITHILESH

3. KAMBLE CHIKAYYA RUDRAPPA

Exam Seat No: B190533023

Exam Seat No: B190533066

Exam Seat No: B190533108

Bonafide students of **ZCOER**, in partial fulfillment for the award of **Bachelor of Engineering** in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune 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 departmental library.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Dr. Himanshu Chaurasiya

Dr. V. A. Mane

HOD

Professor

Dept. of E&TC, ZCOER

Dept. of E&TC, ZCOER

Prof. Prajkta More

Project I/C

Dept. of E&TC, ZCOER

ZEAL COLLEGE OF ENGINEERING AND RESEARCH

NARHE, PUNE - 411041

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIO ENGINEERING



CERTIFICATE

Certified that the project work entitled "Electronic Voting Machine" carried out by

Mr. Vishwanath Jadhav (B1905330), Miss. Rutuja Patil (B190533055) and Mr.

Vishal Gupta (B1905330) Bonafide students of ZCOER, in partial fulfilment for
the award of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai
Phule Pune University, Pune 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 departmental library. The project
report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the

said Degree.

Prof. Ganesh Kadam

Prof. P.A.More

Dr VV Mana

Dr.A.M.Kate

Guide

Co Ordinator

HOD

Principal

External:



Zeal Education Society's Zeal College of Engineering & Research, Narhe, Pune - 411041



Department of Electronics & Telecommunication Engineering

CERTIFICATE

This is to certify that the Project Stage II entitled "Design & Implementation of Advanced Security Based System for ATM" is bonafide work carried out by following students

> Manohar Vijay Chavan B190533010 Shrikant Sheshrao Chavhan B190533011 Jay Vilas Jadhav B190533027

carried out under the supervision of Prof. Tushar Mohite and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication.

Prof. Tushar Mohite Guide

Prof. P. A. More Co-ordinator

A. Mane Head of Department

Dr. A. M. Kate Principal

Place: Pune

Date: 29 /05 / 2024

Cote of Engineering E&TC

External Examine

Zeal Education Society's

Zeal College of Engineering & Research, Narhe, Pune-411 041



Department of Electronics and Telecommunication Engineering

CERTIFICATE

This is to certify that the project stage II entitled "AUTOMATED REAL TIME TRAFFIC CONTROL SYSTEM" is Bona-fide work carried out by following students

1.Dnyanesh Mahajan	[B311034]
2. Vaishnavi Patil	[B311045]
3. Raj Chauhan	[B311003]

In partial fulfillment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune during the year 2023-2024. It is certified that the project stage II report has been approved as it satisfies the academic requirements respect to project stage I work prescribed for the Bachelor of Engineering Degree.

Dr.Shaveta Thakrad Guide

Prof. P. A. More Coordinator

Dr. V. A. Mane HOD

Principal

Zeal Education Society's Zeal College of Engineering & Research, Narhe, Pune-411 041



Department of Electronics and Telecommunication Engineering

CERTIFICATE

This is to certify that the project stage II entitled "SMART AI BLIND STICK" is Bonafide work carried out by following students

1. Soumitra Wartikar	[B311070]
2.Pratyush Sharma	[B311050]
3.Siddesh Pawar	[B311047]

In partial fulfilment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune during the year 2023-24. It is certified that the project stage II report has been approved as it satisfies the academic requirements respect to project stage II work prescribed for the Bachelor of Engineering Degree.

Dr.Shaveta Thakral Guide

Prof.P.A.More Coordinator

Or.V.A.Mane HOD

Dr.A.M.Kate Principal

Zeal Education Society's Zeal College of Engineering & Research, Narhe, Pune-411 041



Department of Electronics and Telecommunication Engineering

CERTIFICATE

This is to certify that the Project Stage II entitled "Accident Prevention & Detection of Roadways" is bonafide work carried out by following students

1. Siya Anand Kakani	[B311021]
2. Neha Santaram Londhe	[B311033]
3. Mahesh Subhash Kadam	[B311020]

In partial fulfilment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune during the year 2023-24. It is certified that the project stage II report has been approved as it satisfies the academic requirements respect to project stage II work prescribed for the Bachelor of Engineering Degree.

Dr. V. A. Mane

HOD

E&TC PROPERTY

V. Patil

Guide

Dr. A. M. Kate

Principal



Zeal Education Society's

Zeal College of Engineering and Research, Narhe, Pune-411041 (SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE)



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that project stage II entitled "IoT - BASED AUTOMATION OF POWERLOOMS IN TEXTILE"

INDUSTRIES" is bonafide work carried out by the following students,

1) Shelar Sakshi

2) Sutar Aniket

3) Yadav Vinit

Exam Seat No. B190533059

Exam Seat No. B190533141

Exam Seat No. B190533078

In partial fulfillment for the award degree of Bachelor of Engineering in Electronics and Tele-communication Engineering of the Savitribai Phule Pune University, Pune during the year academic requirements with respect to project stage II report has been approved as it satisfies the Engineering Degree.

Prof. P. A. Khade Guide

Dr. V.A!MANE
Head of the Department

Dr. AJIT.M.KATE Principal

External Examiner



Campus Parking Availability System

Zeal Education Society's Zeal College of Engineering & Research, Narhe, Pune-411041



Department of Electronics and Telecommunication Engineering CERTIFICATE

This is to certify that the project entitled "Campus Parking Availability System" is bonafide work carried out by following students

1. Mayuri Khalase	Roll No. B311025
2. Khushi Kulkarni	Roll No. B311026
3. Prathamesh Naik	Roll No. B311037
4. Sanket Shinde	Roll No. B311054

In partial fulfillment for the Fourth Year of Engineering in Electronics and Telecommunication of the Savitribai Phule Pune University, Pune during the academic year 2023-24. It is certified that the project report has been approved as it satisfies the academic requirements respect to project work prescribed for Fourth Year of Engineering.

1.

Prof.P.A.More Guide Prof. (P.B) con Mana, Pure P. A. Mane Examiner HOD

Dr. A.M.Kate Principal

E&TC Dept. ZCOER, Narhe

Page 2

Zeal Education Society's Zeal College of Engineering & Research, Narhe, Pune – 411041



Department of Electronics & Telecommunication Engineering

CERTIFICATE

his is to certify that the Project Stage II entitled "Surveillance Robot Using Remote Control" is bonafide work carried out by following students

Rohit Jotiram Gurav B190533025 Sakshi Santosh Gund B190533056 Sakshi Sunil Veer B190533073

arried out under the supervision of Prof. P. A. More and it is approved for the artial fulfilment of the requirement of Savitribai Phule Pune University, for le award of the degree of Bachelor of Engineering in Electronics & elecommunication.

of. P. A. More roject Guide

Prof. P. A. More
Project Coordinator

Dr. V. A. Mane

Dr. A. M. Kate

Head of Department Pr

Principal

ace: Pune

ate: 29/05/2024

External Examiner

Zeal Education Society's Zeal College of Engineering & Research, Narhe, Pune-411 041



Department of Electronics and Telecommunication Engineering

CERTIFICATE

This is to certify that the project stage I entitled "IOT Based Health Monitoring System" is bonafide work carriedout by following students

1. Avinash Vinayak Gaikwad	[B311010]
2. Gourav Prakash Kore	[B311028]
3. Abhay Madan Patil	IB3110411

In partial fulfillment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, Pune during the year 2023-24. It is certified that the project stage II report has been approved as it satisfies the academic requirements respect to project stage II work prescribed for the Bachelor of Engineering Degree.

Prof. Prashant Khade

Guide

Prof.P.A.More

Coordinator

Dr. V. A. Mane

HOD

Dr. A. M. Kate

Principal

Zeal Education Society

Zeal College of Engineering & Research, Narhe

Pune - 411 041



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

ENGINEERING

Certificate

This is to certify that the project entitled "IOT Based Pen Vending Machine" is bonafide work carried out by following students.

1. Kumar Shraddha Rupesh

Seat No.B190533064

2. Prasad Aman Tilakdhari

Seat No. B190533001

3. Shriram Keshav Balasaheb

Seat No. B190533065

PU/PN/Engg. 285/2007

In partial fulfilment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Savitribai Phule Pune University, during the year 23-24. It is certified that the Dissertation report has been approved as it satisfies the academic requirements respect to project stage II work prescribed for the Bachelor of

Engineering Degree.

Dr V.A. Mane

Dr V.A. Mane

Dr A. M. Kate

Project Guide

Head of Department

Principal

External:

Kulangs

RAJVEER TEXTILE INDUSTRIES

13/431-1, Béhind Mathura Highschool, Ichalkaranji — 416115. Dist: - Kolhapur (M. S.).

Mob:-9764972261 Date: - 11-03-2024

Ref:MADTEX/FIN/2023-24/108

To,

The Head of Department /Program,

Department of E & TC Engineering

for giving as the day

Zeal College of Engineering and Research Center,

Narhe, Pune 411041.

This is Certify that Ms.Sakshi Anand Shelar (Roll No:B311051),Mr.Aniket Narayan Sutar(Roll No: B311061) and Vinit Vitthal Yadav (Roll No: B311072), final year student of BE in Electronics and Telecommunication Engineering of Zeal collage of Engineering and Research Center pune have successfully completed their project work as per our expected solutions and up to marks,in our firm on problem "IOT BASED AUTOMATION OF POWER LOOM IN TEXTILE INDISTRIES" towards the partial fulfilment of the award of BE during the period of July 2023 to April 2024. (with reference to request letter Ref: ZES/Ne/2146 and request letter conformation Ref:/MADTEX/FIN/2023-24/108).

gat verigit. Most mass the missister is story about 10 million Larrence masses. The Missister Architecture

ation there it this emblaction. We are adopt two acts for the

A soft made of the side to make the

As per mention terms and condition we will support all for demonstration of project examination of the course, during the internship programme with us he has found punctual, hardworking and inquisitive.

We are appreciating your great efforts to bridge the gap between industry and institute by promoting and encouraging the students to work industry problems. We looking forward to maintain the relationship with us by helping each other as and when required.

We wish best of luck for his bright future.

With best Regards,

Manager RAJVEER TEXTILE

PROPRIETOR







contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate,

Narhe, Pune -41. India

Date: 29/02/2024

Dear Mrs. Gauri Santosh Kulkarni.

We would like to congratulate you on being selected for the Electronic Project Internship position with Zeal Electromech Private Limited, effective 2 101 | 2024 All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide sufficient time for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

Again, congratulations and we look forward to working with you this year.

Sincerely,



Certificate

of Internship -

This Certificate is Presented to

Vaishnavi Patil

for successfully completing the internship project through **Data Analytics**

from 02nd Dec 2023 to 02nd Mar 2024

Code: AIV/23-24/Q1/02/7756

04th Mar 2024

Date

Program Director

C. S. M











contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate, Narhe, Pune -41. India

Date: 29/02/2024

Dear Mr. Atharv Baban Barge.

We would like to congratulate you on being selected for the **Electronic Project** Internship position with Zeal Electromech Private Limited, effective 2101 | 2024 All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide **sufficient time** for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

Again, congratulations and we look forward to working with you this year.

Sincerely,







contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate,

Narhe, Pune -41. India

Date: 29/02/2024

Dear Mr / Mrs. Pranav Sharad Sirsat

We would like to congratulate you on being selected for the Electronic Project Internship position with Zeal Electromech Private Limited, effective 2 log/2024All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide **sufficient time** for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

Again, congratulations and we look forward to working with you this year.

Sincerely,







contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited **ESDM Units**,

Address: Malhari Bhosale Industrial Estate, Narhe, Pune -41 India

Date: 29/02/2024

Dear Mrs. Rutuja Nanasaheb Shinde.

We would like to congratulate you on being selected for the Electronic Project Internship position with Zeal Electromech Private Limited, effective \$2 | 01 | 2024 All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide sufficient time for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

and we look forward to working with you this year Again, congratulations

Sincerely,

ate Limited HR - Zeal Electro





COURSE CERTIFICATE

Aug 21, 2021

Rutuja Nanasaheb Shinde

has successfully completed

Python Functions, Files, and Dictionaries

an online non-credit course authorized by University of Michigan and offered through Coursera



Paul Resnide

Paul Resnick Stephen Oney Jaclyn Cohen

Verify at coursera.org/verify/8PWR5UG9LGSM

Coursera has confirmed the identity of this individual and their participation in the course.



This internship program certificate is proudly awarded to

Niranjan Kale

For his outstanding completion of the internship program at SRS Engineers from December to February 2024.

CEO Sarthakshirke







contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate.

Narhe, Pune -41. India

Date: 29/02/2024

Dear Mr. Dnyaneshwar Rajkumar Suwarnkar.

We would like to congratulate you on being selected for the **Electronic Project** Internship position with Zeal Electromech Private Limited, effective **2** (01/2024) All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide **sufficient time** for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

Again, congratulations and we look forward to working with you this year.

Sincerely,







contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate,

Narhe, Pune -41. India

Date: 29/02/2024

Dear Mr. Yash Yogesh Bhagat.

We would like to congratulate you on being selected for the **Electronic Project** Internship position with Zeal Electromech Private Limited, effective 2 101 2024 All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide **sufficient time** for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

Again, congratulations and we look forward to working with you this year.

Sincerely,







contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate,

Narhe, Pune -41. India

Date: 29/02/2024

Dear Mrs. Sanika Dattatray Shinde.

We would like to congratulate you on being selected for the **Electronic Project** Internship position with Zeal Electromech Private Limited, effective on a large All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide sufficient time for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

Again, congratulations and we look forward to working with you this year.

Sincerely.

Completion of Internship



This Certificate is Awarded to

DHANSHRI KENJALE

has successfully completed the 1 month Internship in Web Development Internship at SystemTron from 12-Feb-2024 to 10-Mar-2024.

Co-Founder System Tron





WWW.SYSTEMTRON.IN

Completion of Internship



This Certificate is Awarded to

DHANSHRI JANARDAN KENJALE

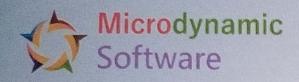
has successfully completed the 1 month Internship in C++
Programming Internship at SystemTron from
15-JAN-2024 to 11-FEB-2024.

Co-Founder System Tron





WWW.SYSTEMTRON IN



Certificate of Internship

This is to certify that Mr./Ms. Yash Sandip Bomble in appreciation for your successful work as an intern at Microdynamic Software Private Limited

From 15 Jan 2024 To 16 Feb 2024 as a Web developer.

Microdynamic Software Put. Ltd.

Microdynamic Software Pvt. Ltd. 103, Vittal Complex, Bhumkar Nagar, Narhe, Pune-411 041. (Authorized Signatory)

Director

Place: Narhe, Pune









contact@zealelectromech.com www.zealelectromech.com

+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate,

Narhe, Pune -41. India

Date: 29/02/2024

Dear Mr. Mayur Maruti Kamble.

We would like to congratulate you on being selected for the **Electronic Project** Internship position with Zeal Electromech Private Limited, effective 2 | o1 | 2029 All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide **sufficient time** for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

Again, congratulations and we look forward to working with you this year.

Sincerely,







contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate, Narhe, Pune -41, India

Date: 29/02/2024

Dear Mr. Yash Rajiv More.

We would like to congratulate you on being selected for the Electronic Project Internship position with Zeal Electromech Private Limited, effective or | 2024 All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide sufficient time for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

Again, congratulations and we look forward to working with you this year.

Sincerely,







contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate, Narhe, Pune -41. India

Date: 29/02/2024

Dear Mr. Avishkar Bhagawat Chavan.

We would like to congratulate you on being selected for the Electronic Project Internship position with Zeal Electromech Private Limited, effective 2 101/2024 All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide sufficient time for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics.

Again, congratulations and we look forward to working with you this year.

Sincerely.

Anvistar ITS Pvt. Ltd.

Date: 17-Jul-2023

Internship Offer Letter

Dear, Keshav B. Shriram,

On behalf of Anvistar ITS Pvt. Ltd. We are excited to offer to you for an internship position. This position is located in Pune, Maharashtra. The position is for Training & Internship as a Java Developer.

This position is scheduled to begin 18-July-2023 and will be for six month unpaid training & internship opportunity. Please be sure to bring Adhaar Card, Mark sheet, ID proof, with you on your first day to complete your profile.

During your temporary employment with Anvistar ITS Pvt. Ltd, you may have access to trade secrets and confidential or proprietary business information belonging to Anvistar ITS Pvt. Ltd. By accepting this offer, you acknowledge that this information must remain confidential and agree to refrain from using it for your own purposes or disclosing it to anyone outside. Also, you agree that upon completion of your internship, you will promptly return any company-issued property and equipment along with information and documents belonging to the company. By accepting this offer, you acknowledge that you understand participation in this program is not an offer of employment, and successful completion of the program does not entitle you to an employment offer from Anvistar ITS Pvt. Ltd.

We look forward to having you begin your career at Anvistar ITS Pvt. Ltd and wish you a successful training & internship.

Sincerely,

Amit Khojare

(Director)

Yogita Tehare
(Director)

www.anvistar.in, careers@anvistar.in Manaji Nagar, Narhe Pune 411041. Phone no 7378317226 / 9975612580.



COMPLETION CERTIFICATE

CID: IPI#3036

To whomever it may concern

This is to certify that **Khushi Rajesh Kulkarni** worked as a Intern in our company from **20-Mar-2023 to 16-Apr-2023**

Please find the internship details below:

Company Name: InternPe

Location: Remote

Domain: JAVA 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

Joster B1.





Certificate of Training

Sanjivani Sanjay Pawar

has successfully completed a 6-week online training on **Data Science**. The training consisted of Introduction to Data Science, Python for Data Science, Understanding the Statistics for Data Science, Predictive Modeling and Basics of Machine Learning, and The Final Project modules.

We wish Sanjivani Pawar all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA



PRISMATIC SOFTWARES PRIVATE LIMITED

CERTIFICATE TO WHOMSOEVER IT MAY BE CONCERNED

DATE: 24/11/2023.

This is to certify that Soumitra Wartikar, student of the Fourth year of Engineering (Electronics & Telecommunication) from Zeal College of Engineering & Research, Pune, affiliated to Pune University, has successfully completed his assigned project work at 'Prismatic Softwares Private Limited' from 21st August 2023 to 24th November, 2023.

During the above period, he was placed as an intern and worked with our development team on Web development using Python, Flask, MySQL, ORM and SQLALchemy.

The candidate was found to be enthusiastic and curious during the internship. His performance was very good during this period.



Sr.HR Officer

Prismatic Softwares Private Limited

3rd Floor, Swaroop Complex, C.T.S. 41/14-15, Karve Road, Erandawane, Pune - 411004. Website: www.prissoft.net | GSTIN: 27AAGCP9460Q1ZI | CIN: U72900PN2012PTC145636





INTERNSHIP **COMPLETION CERTIFICATE**

OFFICIAL INTERNSHIP PARTNER:



PROUDLY PRESENTED TO:

SAHIL GANESH SHINDE

has successfully completed 2 months Internship from 01/10/2023 to 30/11/2023 in Web Development at YHills.

17/12/2023

Certificate ID: YHI-5006535

DATE



AMAN KUMAR, CO-FOUNDER



Date: 13th February 2024

<u>INTERNSHIP CERTIFICATE</u>

This is to certify that Mr. Shubham Sanjay Nanaware successfully completed his

Industrial training in JAVA in JavabyKiran

As

Trainee developer

1st August 2023 To 1st February 2024

During this training he worked on web application *Inventory Analyzer*

Under the guidance of **Kiran D.**

In this period it was found that he is technically sound, sincere and hard working with steep learning curve.

Yours

Sincerely









contact@zealelectromech.com www.zealelectromech.com



+91 735 000 3513 +91 774 499 3833

Internship Offer Letter

Zeal Electromech Private Limited ESDM Units,

Address: Malhari Bhosale Industrial Estate,

Narhe, Pune -41. India

Date: 29/02/2024

Dear Mrs. Shruti Sachin Jadhav.

We would like to congratulate you on being selected for the Electronic Project Internship position with Zeal Electromech Private Limited, effective 2 01 2024 All of us at Zeal Electromech are excited that you will be joining our team.

As we discussed during the interview process, this is a non-paid 60 hours' academic internship during which you will be expected to provide sufficient time for learning and practice.

This internship is viewed by Zeal Electromech 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 through hands-on application of the knowledge you learned in class.

Topics Covered: SMT Techniques, Component Identification, Soldering methods, 5S & Kaizen process, Printed Circuit Board Assembly basics

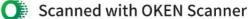
Again, congratulations and we look forward to working with you this year.

Sincerely,

HR - Zeal Electromech Private Limited

www.zealelectromech.com









CERTIFICATE OF INTERNSHIP

This Certificate Is Proudly Presented To

Surabhi Mhamane

For Successfully Completing An Internship On

Web Development

From **23/12/2023** To **22/01/2024** At TechnoHacks EduTech. During This Internship, We Found Him/Her Consistent And Hardworking. We Wish All The Best For Future Endeavors.







