

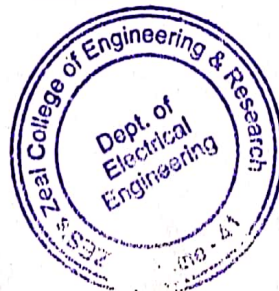


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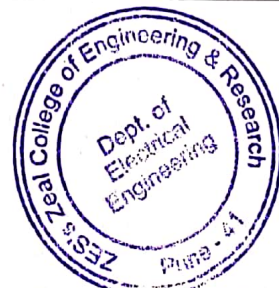


PBL

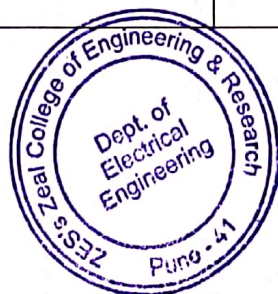
Roll No.	Name of Student	Group No.	Name of Guide	Title of PBL
S411001	Adap Aditya Anant	G1	Dr.M.G.Unde	Simple clap control home automatic
S411002	Anerao Vaibhav Dnyaneshwar			
S411003	Bhandwalkar Vaishnavi Sanjay			
S411004	Bhujbal Shubham Vishnu			
S411005	Birajdar Vishnu Maruti	G2		Water Level Indicator
S411006	Bodare Suyogh Santosh			
S411007	Chavan Ganesh Kailash			
S411008	Chavan Rohit Bhimashankar			
S411009	Chitale Rahul Siddharam	G3	Artee Sudke	Light Control by two way switch circuit
S411010	Daund Kiran Sharad			
S411011	Dhamane Shubham Bhausahab			
S411012	Dhokte Rohit Ram			
S411013	Dhumal Atharv Sanjay	G4	A.S.Patil	Python Program Language
S411014	Dighe Aditya Bhimrao			
S411015	Doifode Manoj Dilip			
S411016	Dongare Vaibhav Ramchandra			



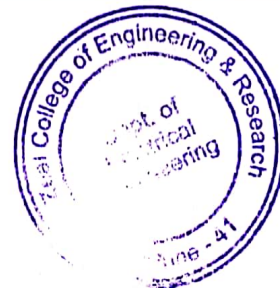
S411017	Dukale Roshan Dynaneshwar	G5	R.M.Zende	IR proximity sensor
S411018	Farke Rahul Mohan			
S411019	Fugate Sakshi Bhagwat			
S411020	Gadave Yash Pandurang			
S411021	Gavhane Suraj Sanjay	G6	B.S.Kunure	Staircase two way switch wiring
S411022	Giri Maroti Suresh			
S411024	Jadhav Nilesh Arun			
S411025	Jetithor Pratik Amol			
S411026	Kachare Sakshi Hanumant	G7	R.J.Patil	solution of Gauss Jaccobi method using Python
S411027	Kadam Akshay Vilas			
S411028	Kalingan Nitesh Babu			
S411029	Kamble Rutuja Sampat			
S411030	Kamble Vishal Babu	G8	V.L.Tathe	OR gate logic using switch
S411031	Katkar Aditya Suhas			
S411032	Kharat Ajay Madhukar			
S411033	Kharmale G9Siddhesh Kundlik			
S411034	Kharmale Swaraj Bajrang	G9	J.A.Gurav	Wireless Power transmission system
S411035	Khobragade Krutika Manohar			
S411036	Korade Utkarsh Santosh			
S411037	Korde Unmesh Rhishikesh			
S411038	Kudale Prathmesh Yuvraj	G10	Chaitanya V.Deshpande	Turning ON/OFF bulb by claping (clap switch)\
S411040	Kulkarni Makarand Pradip			



S411041	Kulkarni Tanaya Nilesh			
S411042	Kumbhar Tejal Sanjay			
S411043	Lokhande Navtej Sudam	G11	B.G.Sherkhane	Renewable Car
S411045	Mali Suyash Ashok			
S411046	Manekar Saurav Sahebrao			
S411047	Mendhe Spandan Rajkumar			
S411048	Muchwad Pramod Vitthalrao			
S411049	Nagargoje Aniket Asaram	G12	K.S.Zope	Electric Power generation using DC motor
S411051	Patil Shivani Vinod			
S411052	Pawale Vikas Narayan			
S411053	Pawar Rushikesh Rahul			
S411054	Pratiksha Surendra Maurya	G13	V.D.Bavdhane	Vaccum cleaner made by plastic bottle
S411055	Rane Gokul Hemaraj			
S411057	Raut Krushnakant Mahendra			
S411058	Sapkal Bhushan Duryodhan			
S411060	Sarve Rishab Gunvanta	G14	J.V.Raidu	To calculate the load for residential home per day
S411061	Sawant Abhishek Sunil			
S411063	Shah Faisal			
S411064	Shinde Akshay Mahadev			
S411065	Shinde Rutuja Santosh	G15	Kaumudi Jha	How to create file and write student record using C++
S411066	Shinde Sejal Subhash			
S411067	Suryawanshi Suraj Machindra			



S411068	Sutar Akshay Arvind	G16	Pallavi Lone	Electric Power generator
S411069	Sutar Prathamesh Avinash			
S411070	Tembare Shubham Ankush			
S411071	Thakare Chandrakant Ravindra			
S411072	Thakare Rudrank Sudhir	G17	Pallavi Kamble	fire alarm detector
S411073	Uphade Vikas Rajabhau			
S411074	Vyavahare Vishal Dattatray			
S411075	Yewle Rohini Navnath			
S412001	Bhange Sunita Bhiku	G1	Dr.M.G.Unde	Hydro Power Plant using MATLAB Simulink
S412002	Bhat Kaustubh Kishor			
S412003	Bhosale Anjali Vijay			
S412004	Borse Dhiraj Ravindra			
S412005	Borse Harshal Suresh	G2	S.D.Dharme	Metal Detector using IC555
S412006	Chaudhari Diya Sandip			
S412007	Chinchole Sanjana Prashant			
S412008	Dabhade Snehal Subhash			
S412009	Deshmukh Vishal Manoj	G3	Artee SUDke	Jumping Japak game
S412010	Dharve Gaurav Ganesh			
S412011	Gayke Prabhakar Dashrath			
S412012	Giri Vicky Kisan			
S412013	Gumladu Punamchand Kashiram	G4	A.S.Patil	Distance measurement by ultrasonic sensor



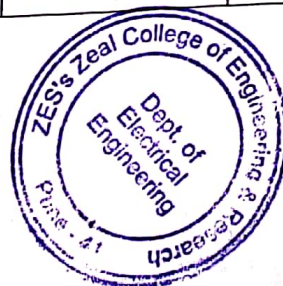
S412014	Gunjal Shivnath Ravsaheb			
S412015	Gurav Vaibhav Sunil			
S412016	Jadhav Nikita Dilip			
S412017	Jankar Sagar Kaluram	G5	Surbhi Singh	Door Alarm using SCR
S412018	Kamble Rohit Navanath			
S412019	Kanjane Atharv Dipak			
S412020	Karande Shweta Deepak			
S412021	Khodve Manoj Jayram	G6	B.S.Kunure	Electrical Energy Generation by Solar Panel
S412022	Nadgouda Shreeharsh Girish			
S412023	Palkar Siddhesh Umesh			
S412024	Panchal Kartik Hanuman			
S412025	Patil Pratik Prakash	G7	R.J.Patil	Half adder
S412026	Punde Saurabh Sanjay			
S412027	Rajguru Kajal Santosh			
S412028	Shikalgar Anis Mohammad			
S412029	Tajne Chetan Satish	G8	V.L.Tathe	Light Dimmer
S412030	Vichare Pradnya Prashant			
S412031	Waghmare Pooja Sunil			
S412032	Agarwal Sanket Chetan			
S412033	Bade Vaishnavi Nilesh	G9	J.A.Gurav	Free Energy Generation
S412034	Bhagit Komal Satu			
S412035	Chambule Shubham Sunil			
S412036	Chavan Asavari Sanjay			



S412037	Chavan Chinmay Dhondiram	G10	Chaitanya V.Deshpande	Paper Piano with Arduino
S412038	Chavan Ketaki Dayanand			
S412039	Chavan Vaishnavi Suresh			
S412040	Chirag Pujari			
S412041	Dawande Hitesh Suresh	G11	B.G.Sherkhans	Touch Screen
S412042	Dumbre Aniket Machindra			
S412043	Gaikwad Ritesh Bharat			
S412044	Gaonkhadkar Saurabh Sunil			
S412045	Gitte Hritik Rajkumar	G12	K.S.Zope	Automatic hand sanitizer dispenser
S412046	Jadhav Abhishek Ananda			
S412047	Jadhav Rahul Shashikant			
S412048	Jadhav Viraj Vishnu			
S412049	Kamble Ashishkumar Vilas	G13	K.S.Zope	Self powered doorbell watcher
S412050	Kedar Prathmesh Dattatray			
S412051	More Ajit Vijay			
S412052	Patil Shveta Ambadas			
S412053	Pawar Vaibhav Patharinath	G14	K.S.Zope	Laser light detection system
S412054	Phad Rushikesh Prakash			
S412055	Potdar Maya Uttam			
S412056	Puyad Prateek Dattatray			
S412057	Rutuja Suhas Dabhade	G15	K.S.Zope	Water level indicator



S412058	Sargar Ajay Ramchandra			
S412059	Shinde Pratik Rajesh			
S412060	Shinde Sanskruti Sandeep			
S412061	Shitole Kunal Dilip	G16	Pallavi Lone	Water level indicator
S412062	Sonar Rohit Shirish			
S412063	Sonawane Omkar Vivekanand			
S412064	Sumedh Kiran Gambhir			
S412065	Thorat Ketan Santosh	G17	J.V.Raidu	calculation of residential lighting load
S412066	Adode Tirumal Bajrang			
S412067	Bandgar Vishal Appaso			
S412068	Bhosale Shweta Sanjay			
S412069	Donge Saurabh Balaji	G18	Surbhi Singh	Electrical switches and socket board wiring in home with testing
S412070	Govande Visharad Sheshrao			
S412071	Ithape Rameshwar Santosh			
S412072	Londhe Vaibhav Sudhakar			
S412073	Patil Gayatri Bhagwan	G19	K.S.Zope	IOT project using Ultrasonic and Arduino for distance measurement
S412074	Pawar Swapnil Dasharath			
S412075	Phalke Jyoti Manohar			
S412076	Sawale Aboli Shivshankar			
S412077	Shaikh Samir Ahemad	G20	Pallavi Kamble	LED Distance Indicator
S412078	Yeole Rutuja Deepak			
S412079	Patil Sanika Vijay			
S412080	Dalvi Sushil Suhas			



S412081	Deshmukh Abhay Baliram	G21	S.E.Sawarkar	Fire alarm using transistor and thermistor
S412082	Gupta Rohit Balaram			
S412083	Korachgaon Atharva Jagadewappa			
S412084	Surve Tejas Deepak			

Rajant

Head

Department of Electrical Engineering

Zeal College of Engineering & Research, Pune

Head of Department

Department of Electrical Engineering
Zeal College of Engineering & Research

Narhe, Pune - 411041



DEPARTMENT OF ELECTRICAL ENGINEERING




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


CERTIFICATE

This is to certify that the PBL report entitled "Simple clap control home automatic" submitted by . Shubham ,Vaibhav ,Vaishnavi & Aditya . is the bonafide record of work done by him under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of


2021-22.


Prof .Dr.M G Unde
Guide

Electrical Engineering
Z.E.S. ZCOER, Pune


Prof .K. S. Zope
PBL Coordinator

Electrical Engineering
Z.E.S.ZCOER , pune


Prof. MR Zende
Head of Department

Electrical Engineering
Z.E.S. ZCOER, Pune

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE FOR CONDUCTION OF EXAM

This is to certify that the seminar presentation of *Sakshi, Rutuja, Akshay, Nitesh* with seminar title "SOLUTION OF SIMULTANEOUS EQUATION BY GAUSS JACCOBI METHOD BY USING PYTHON" has been held on at Department of Electrical Engineering, Zeal College of Engineering Research, Narhe, Pune-411041.

Prof.

Guide *Rajesh R.S. Patil*

Electrical Engineering

Z.E.S. ZCOER, Pune
Pune

Chaitanya Deshpande
03/06/22

Examiner

Electrical Engineering

Z.E.S. ZCOER,

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the seminar report entitled "light control by two way switch circuit" submitted by Rahulchitale, RohitDhokte, Kiran daund, shubham dhamne is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2020-21.

fw

Artee A. Sudke

Prof. Artee.A.sudke

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Electrical Engineering

Z.E.S. ZCOER, Pune

R.M. Zende

Prof. R.M.Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: *4/6/2021*



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

CERTIFICATE

This is to certify that the PBL report entitled "PYTHON PROGRAMING" submitted by ATHARV, ADITYA, MANOJ & VAIBHAV is the bonafide record of work done by him/her under my supervision, in partial fulfilment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

ANUPAMA PATIL MAM

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Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R.M.Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 23/05/2022

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CERTIFICATE

This is to certify that the PBL report entitled "IR PROXIMITY SENSOR" submitted by sakshi, Rahul, roshan & yash is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. R.M.Zende Sir

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Prof. R.M.Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

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Narhe, Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "Staircase Two Way Switch Wiring" submitted by Jadhav Nilesh, Maruti Giri, Suraj Gavhane, Pratik Jetithor is the bonafide record of work done by him under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2020-21.

Prof. B.S. Kunure

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Prof. B.S. Kunure

Seminar Coordinator

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Prof. R.M. Zende

Head of Department

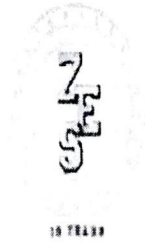
Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 20/05/22

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Narhe, Pune-411041

This is to certify that the seminar report entitled "SOLUTION OF SIMULTANEOUS EQUATION BY GAUSS JACCOBI METHOD BY USING PYTHON" submitted by . Sakshi,rutuja,Nitesh,Akshy . is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22

Raj
Raj Patil

Prof .Rajashree patil

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Rajesh

Prof. R.M Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune



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Narhe. Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "OR Gate circuit using switch" submitted by Mr. Kamble Vishal Babu, Mr. Katkar Aditya Suhas, Mr. Kharat Ajay Madhukar, Mr. Kharmale Siddhesh Kundlik is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. V. L. Tathe

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Prof. R.M.Zende

Head of Department

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Z.E.S. ZCOER, Pune

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CERTIFICATE FOR CONDUCTION OF EXAM

This is to certify that the pbl presentation of Mr. Unmesh Rhishikesh Korde (S411037) Utkarsh Santosh Korade (S411036), Swaraj Bajrang Khamale (S411034) Kritika Manohar Khobragade (S411035) with pbl title "Wireless Power Transmission System" has been held on at Department of Electrical Engineering, Zeal College of Engineering & Research, Narhe, Pune-411041.

Mr. Gurav J. A.

Guide

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Examiner

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R. M. Zende

Head of Electrical
Department

Z.E.S. ZCOER Pune

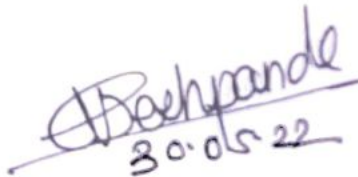
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Narhe. Pune-411041.

CERTIFICATE

This is to certify that the PBL report entitled "Turning on/off of bulb by clapping: Clap Switch" submitted by Ms. Tejal Kumbhar and team is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


30.05.22

Prof. Chaitanya V. Deshpande
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune



Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 30.05.2022

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Narhe, Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "RENEWABLE CAR" submitted by .Navtej Lokhande, Suyash Mali, Saurav Manekar, Spandan Mendhe is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof .Bhagyashri
Sherkhane

Guide

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Pune

Prof .B.S.Kunure

Seminar Coordinator Head of Department

Electrical
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Z.E.S.ZCOER ,
Pune

Prof. MR Zende

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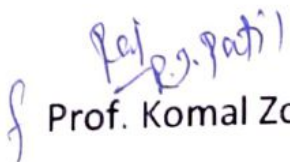
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Narhe, Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "ELECTRIC POWER ENERGY GENERATOR WITH DC MOTAR" submitted by ANIKET, VIKAS, PRAMOD AND SHIVANI, is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Komal Zope

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Z.E.S. ZCOER, Pune


Prof. MR. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

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Narhe, Pune-411041

CERTIFICATE

This is to certify that the seminar report entitled "Vacuum cleaner made by plastic bottles" submitted by . Gokul ,Pratiksha ,Rushikesh & Krushnkant. is the bonafide record of work done by her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof .Vivek Bavdhane

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Z.E.S. ZCOER, Pune

Prof .Komal Zope

PBL Coordinator

Electrical Engineering

Z.E.S.ZCOER , pune

Prof. R.M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

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CERTIFICATE

This is to certify that the PBL report entitled "TO CALCULATE THE LOAD FOR RESIDENCIAL HOME PER DAY" submitted by BHUSHAN and Group is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

J.V.Raidu

Prof. Jayanthi Raidu

Prof .B.S.Kunure

Prof. MR Zende

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Seminar Coordinator

Head of Department

Electrical Engineering

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Narhe, Pune-411041

CERTIFICATE

*This is to certify that the PBL report entitled "How to Create File and Write Student Record in File Handling in C++" submitted by **Rutuja Shinde /Sejal Shinde/Suraj Suryawashi /Akshay Shinde** is the bonafide record of work done by her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2020-21.*

Prof. Kaumudi Jha
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. Ranjit Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date:

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Zeal College of Engineering & Research, Pune

Narhe, Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "Electric Power Generator" submitted by


Chandrakant Thakare (S411071)


Prathmesh Sutar (S411069)

Shubham Tembare (S411070)

Akshay Sutar (S411068)

is the bonafide record of work done by him/her under my supervision, in partial fulfilment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Pallavi Lone
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Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. R.M.Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date:30/05/2022

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Zeal College of Engineering & Research, Pune

Narhe, Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "FIRE ALARM DETECTOR" submitted by Ms. Rohini Yewle, Rudrank Thakre and Vishal Vyavhare is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Pallavi kamble

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune


Prof. R.M.Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering & Research, Pune

Narhe. Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled “Hydro Power Plant Using MATLAB S” submitted by Ms. Bhange Sunita B. Mr. Bhat Kaustubh K. Ms. Bhosale Anjali V. Mr. Börse Dhiraj R. is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. (Dr.) Mahadev G. Unde
Guide

Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R.M.Zende
Head of Department

Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune
Date: 30/05/2022

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Narhe. Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "Metal Detector Using 555 IC" submitted by Mr. Borse Harshal S., Ms. Chaudhari Diya S., Ms. Chinchole Sanjana P., Ms. Dabhade Shenal S. is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. Snehal Dharme
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 30/05/2022

DEPARTMENT OF ELECTRICAL ENGINEERING




Zeal College of Engineering & Research, Pune

Narhe. Pune-411041

CERTIFICATE


This is to certify that the PBL report entitled "***Solar Power Generation for Home Application Using Matlab Simulink***" submitted by **Mr. Gaurav Dharve ,Mr.Vicky Giri, Mr.Vishal Deshmukh, Mr.Prabhakar Gayake** is the bonafiderecord of work done by him/her under my supervision, in partialfulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


11/6/22
Prof. Artee Sudke

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune


Prof. R.M.Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 20/05/2022



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

CERTIFICATE

This is to certify that the PBL report entitled “**Distance Measurement by Using Ultrasonic Sensor**” submitted by **Mr. GURAV VAIBHAV SUNIL** is the bonafide record of work done by him under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. Patil A.S.

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R.M.Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the PBL report entitled DOOR ALARM USING SCR submitted by Mr.Sagar Kaluram Jankar ,Rohit Navanath Kamble,Atharva Dipak Kanjane. Ms.Shweta Deepak Karande is the bonafide record of work done by him under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Surabhi Singh

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune


Prof. R.M.Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 20/5/22

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the PBL report entitled “Electrical Energy Generation by Solar Panel” submitted by Mr. Khodve Manoj Jayram, Mr. Nadgouda Shreeharsh Girish, Mr. Palkar Siddhesh Umesh, Mr. Panchal Kartik Hanuman is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. Bhushan Kunure
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune
Date:

Half Adder


DEPARTMENT OF ELECTRICAL ENGINEERING

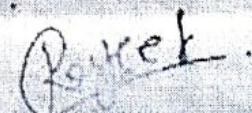


Zeal College of Engineering & Research, Pune
Narhe, Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "Half Adder" submitted by Mr. Patil Pratik, Mr. Punde Saurabh, Miss. Rajguru Kajal, Mr. Shikalgar Anis is the bonafide record of work done by him under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22


Prof. Rajashri Patil
Guide
Electrical Engineering
Z. I. S. ZCOER, Pune


Prof. R.M. Zende
Head of Department
Electrical Engineering
Z. I. S. ZCOER, Pune

Place : Pune

Date :

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the PBL report entitled "LIGHT DIMMER" submitted by Mr. Chetan Satish Tajane is the bonafide record of work done by her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. V.L. Tathe

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R.M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 23/5/2022

DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering & Research, Pune

Narhe, Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "Free Energy Generation" submitted by Ms. Vaishnavi Nilesh Bade , Ms. Komal Satu Bhagit , Mr. Shubham Sunil Chambule , Ms. Asavari Sanjay Chavan is the bonafide record of work done by her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. J. A. Gurav
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R.M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 03/06/2022



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

CERTIFICATE

This is to certify that the PBL report entitled "Paper piano with Arduino's submitted by Mr. Chavan Chinmay, Ms. Chavan Ketaki, Ms. Chavan Vaishnavi., Mr. Pujari Chirag is the bonafide record of work done by him/her under my supervision, in partial fulfilment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Chaitanya V. Deshpande
25.05.2022

Prof. Chaitanya V. Deshpande
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

R. M. Zende

Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 25.05.2022

DEPARTMENT OF ELECTRICAL ENGINEERING




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

CERTIFICATE


This is to certify that the PBL report entitled "Touch Sensor" submitted by Mr. Dawande Hitesh Suresh,

Mr. Dumbre Aniket Machindra, Mr. Gaikwad Ritesh Bharat, Mr. Gaonkhadkar Saurabh Sunil is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of

2021-22.


Prof. Bhagyashri Sherkhane
Guide

Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 18-05-2022

Automatic hand sanitizer dispenser

DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering & Research, Pune

Narhe. Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "Automatic hand sanitizer dispenser" submitted by Mr. Gittè Hritik , Mr .Jadhav Abhishek, Mr. Jadhav Rahul, Mr. Jadhav Viiyaj is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. . Komal Zope

Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. R.M. Zende

Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 25/04/2022


Assessor
31.05.2022

DEPARTMENT OF ELECTRICAL ENGINEERING





Zeal College of Engineering & Research, Pune

Narhe. Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "Self Powered Door Bell Watcher" submitted by Mr. Kamble Ashishkumar, Mr. Kedar Prathmesh, Mr. More Ajit, Miss. Patil Shveta is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Komal Zope
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. R.M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 25/04/2022

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the PBL report entitled “LASER LIGHT DETECTION SYSTEM” submitted by **mr.puyad prateek, mr. pawar vaibhav, miss potadar maya, mr. phad rushikhesh**, is the bonafide record of work done by him under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. k.s.Zope

Guide
Electrical Engineering
Z.E.S. ZCOER, Pune



Prof. R.M.Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 3/6/22

Zeal College of Engineering & Research, Pune


Narhe, Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "Water Level Indicator" submitted by

- 1) Ms. Rutuja Dabhade
- 2) Mr. Sargar Ajay
- 3) Mr. Shinde Pratik
- 4) Ms. Sanskruti Shinde

is the bonafide record of work done by him/her under my supervision, in partial fulfilment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Komal Zope
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. R.M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 25/04/2022

DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering & Research, Pune

Narhe. Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "Water Level Indicator" submitted by

- 1). Mr. Omkar Sonawane,*
- 2). Mr Rohit Sonar,*
- 3). Mr Kunal Shitole,*
- 4). Mr Sumedh Gambir*

is the bonafide record of work done by him/her under my supervision, in partial fulfilment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. Pallavi Lone
Guide

Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. P.M.Zende

Head of Department

Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 25/04/2022

Calculation of Residential Lighting Load

DEPARTMENT OF ELECTRICAL ENGINEERING


Zeal College of Engineering & Research, Pune

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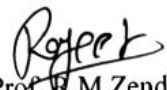


CERTIFICATE

This is to certify that the PBL report entitled "Calculation of Residential Lighting Load" submitted by. Ketan Thorat, Mr. Adobe Tirumal, Mr. Bandgar Vishal, Miss. Shweta Bhosale is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Jayanthi Venkata Raidu
Guide

Electrical Engineerin g
Z.E.S. ZCOER, Pune


Prof. U.M.Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune
Date: 2 /05/2022




Zeal College of Engineering & Research, Pune

Narhe, Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled "ELECTRICAL SWITCHES AND SOCKET BOARD WIRING IN THE HOME WITH TESTING" submitted by Mr. Londhe Vaibhav Sudhakar, Mr. Ithape Rameshwar Santosh, Mr. Donge Saurabh Balaji, Mr. Govande Visharad Sheshrao is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Surbhi Singh

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune


Prof. R. M. Lende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 3/6/22

**DEPARTMENT OF ELECTRICAL
ENGINEERING**



**ZEAL COLLEGE OF ENGINEERING
AND RESEARCH, NARHE PUNE-411041.**

CERTIFICATE

This is to certify that the PBL report entitled “**IOT Project using Ultrasonic Sensor HC-SR04 and Arduino to distance measurement using Processing App**” submitted by Gaytri patil Swapnil pawar, Jyoti phalke ,Aboli sawale. Is bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering and Research, Narhe Pune for the academic year of 2021-22.

Prof. K.S. Zope

Guide

Electrical engineering

Z.E.S.ZCOER, Pune.

Prof. R.M. Zende

Head of department

Electrical Engineering

Z.E.S.ZCOER Pune.

Place: Pune

Date: 03/05/2022

LED DISTANCE INDICATOR

DEPARTMENT OF ELECTRICAL ENGINEERING

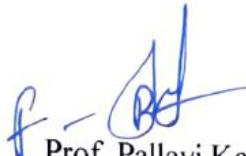



Zeal College of Engineering & Research, Pune

Narhe. Pune-411041

CERTIFICATE

This is to certify that the PBL report entitled “LED DISTANCE INDICATOR” submitted by Mr. Shikh Samir A, Ms. Yeole Rutuja D, Ms. Patil Sanika V, Mr. Dalvi Sushil S. is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Pallavi Kambale
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. R.M.Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 30/05/2022

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the PBL report entitled “**Fire Alarm Using Transistor and Thermistor**” submitted by **Mr. Abhay Deshmukh, Mr. Rohit Gupta, Mr. Atharva korachgaon, Mr. Tejas Surve** is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof..Sawarkar Sudhir

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R.M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 3/6/22



ZEAL EDUCATION SOCIETY'S
ZEAL COLLEGE OF ENGINEERING AND RESEARCH
NARHE | PUNE -41 | INDIA



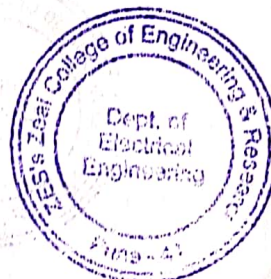
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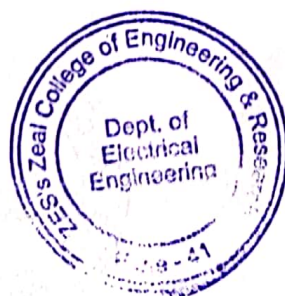
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LIST OF STUDENT WITH INTERNSHIP DETAILS

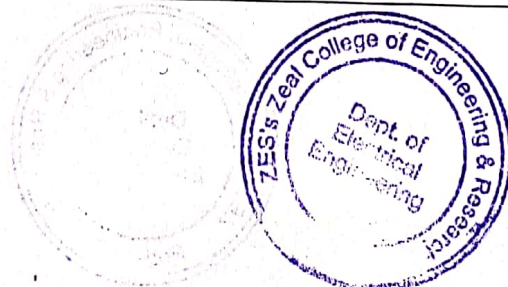
Section TE - A				
S.No.	Roll No.	Name	Company	Duration
1.	T411001	Bagane Vaibhav Vijaykumar	GTT Foundation by Barclays, MahaVitaran	15 days, 30 days
2.	T411002	Bandgar Shivani Sunil		
3.	T411003	Bangar Komal Raosaheb	General Electric Pvt. Ltd.	30 days
4.	T411004	Bhosale Prajakta Bajarang	GTT Foundation by Barclays, IMTMA Technology Centre	15 days, 30 days
5.	T411005	Biradar Kunal Shivaji	GTT Foundation by Barclays	15 days
6.	T411006	Chaudhari Aaditya Subhash	GTT Foundation by Barclays	15 days
7.	T411007	Chaudhari Yogesh Navalsing	GTT Foundation by Barclays	15 days
8.	T411008	Deokar Vaishnavi Gajanan	GTT Foundation by Barclays	15 days
9.	T411009	Desai Shubham Jalindar	GTT Foundation by Barclays	15 days
10.	T411010	Dhanuskar Suraj Avinashrao	GTT Foundation by Barclays	15 days
11.	T411011	Dhavale Akshata Appaso	GTT Foundation by Barclays	15 days
12.	T411012	Gaikwad Pratik Kalidas	GTT Foundation by Barclays, Lampyrid Compiler	15 days, 60 days
13.	T411013	Gangawane Rushikesh Sanjay	GTT Foundation by Barclays	15 days
14.	T411014	Ghorpade Nikhil Ramchandra	GTT Foundation by Barclays	15 days
15.	T411015	Ghule Nisha Ramkisan	GTT Foundation by Barclays	15 days
16.	T411016	Gorade Pooja Namdev	GTT Foundation by Barclays	15 days
17.	T411017	Gore Dnyaneshwar Babu		
18.	T411018	Goregaonkar Hrushikesh Rajendra	GTT Foundation by Barclays	15 days
19.	T411019	Gujar Abhijeet Sanjay	GTT Foundation by Barclays	15 days



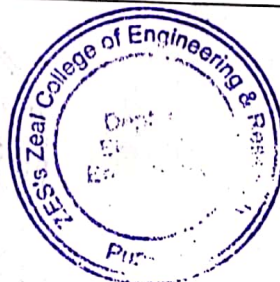
20.	T411020	Gujar Swapnil Hanumant	GTT Foundation by Barclays	15 days
21.	T411021	Hajare Mrunal Dattatray	GTT Foundation by Barclays	15 days
22.	T411022	Jadhav Kartik Prashant	Avihas Electricals Pvt. Ltd.	30 days
23.	T411023	Jadhav Sairaj Satish	GTT Foundation by Barclays	15 days
24.	T411024	Jagadale Prasad Rohidas	GTT Foundation by Barclays	15 days
25.	T411025	Jawale Akshay Sunil	GTT Foundation by Barclays	15 days
26.	T411026	Kachare Dipali Baban	GTT Foundation by Barclays	15 days
27.	T411027	Kamthe Rupesh Santosh	GTT Foundation by Barclays	15 days
28.	T411028	Kaple Bharat Ramesh	college ranker India	30 days
29.	T411029	Kasture Swapnil Someshwar	GTT Foundation by Barclays, Maha Genco	15 days, 30 days
30.	T411030	Katkar Nikita Gulab	GTT Foundation by Barclays	15 days
31.	T411031	Katkar Vrushali Sanjay	General Electric Pvt. Ltd.	30 days
32.	T411032	Khan Nadeem Ahmed Shamim Ahmed	GTT Foundation by Barclays, Esankar	15 days, 30 days
33.	T411033	Khandare Prafull Sanjiv	GTT Foundation by Barclays	15 days
34.	T411034	Kharpude Akash Dattatray	Esankar	30 days
35.	T411035	Khedkar Jaydip Sambhaji	GTT Foundation by Barclays, Maha Vitaran	15 days, 30 days
36.	T411036	Khirodkar Pallavi Shankar	GTT Foundation by Barclays, General Electric Pvt. Ltd.	15 days, 30 days
37.	T411037	Khopade Harshad Sudhakar	GTT Foundation by Barclays	15 days
38.	T411038	Kokitkar Niranjali Namdev	GTT Foundation by Barclays	15 days
39.	T411039	Kore Rahul Baliram	GTT Foundation by Barclays	15 days
40.	T411040	Lokhande Aakansha Gorakh	Bajaj Auto Ltd	30 days
41.	T411041	Magar Rushikesh Navnath	GTT Foundation by Barclays	15 days
42.	T411042	Mahindrakar Rushikesh Anilrao	GTT Foundation by Barclays	15 days
43.	T411043	Mali Mahadev Tukaram	GTT Foundation by Barclays	15 days
44.	T411044	Mayur Nagesh Karale	GTT Foundation by Barclays	15 days
45.	T411045	Mohite Abhishek Ramesh	GTT Foundation by Barclays	15 days
46.	T411046	Mokal Siddhesh Janardan	GTT Foundation by Barclays	30 days
47.	T411047	More Sudarshan Gulabrao	GTT Foundation by Barclays	15 days
48.	T411048	Mulik Avinash Yamaji	GTT Foundation by Barclays	15 days



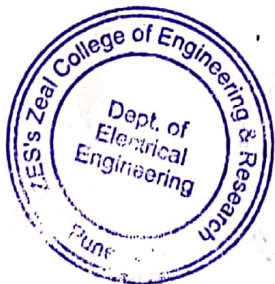
49.	T411049	Narvaiyya Khushboo Lalchand	Bajaj Auto Ltd	30 days
50.	T411050	Panchal Nagesh Pandurang	GTT Foundation by Barclays	15 days
51.	T411051	Patil Aishwarya Suhas	Tata motors	30 days
52.	T411052	Patil Mrunalini Narendra	GTT Foundation by Barclays	15 days
53.	T411053	Pawade Snehal Prakash	GTT Foundation by Barclays	15 days
54.	T411054	Pawar Niranjana Santosh	GTT Foundation by Barclays	15 days
55.	T411055	Phad Pratik Balaji	GTT Foundation by Barclays	15 days
56.	T411056	Potdar Vyankatesh Satish	GTT Foundation by Barclays, Esankar	15 days, 30 days
57.	T411057	Powar Prajyot Pandurang	MSEB, GARGOTI SUBSTATION., Maha Vitaran	28 days, 30 days
58.	T411058	Sabale Nikita Devanand	GTT Foundation by Barclays	15 days
59.	T411059	Sagvekar Mansi Krushna	GTT Foundation by Barclays	15 days
60.	T411060	Salekar Shriram Rohidas	SRS Enclosures & Plastics Components, IBM	30 days
61.	T411061	Samudra Aniket Mahadev	GTT Foundation by Barclays, Texmaco Rail & Engineering Ltd.	15 days, 27 days
62.	T411062	Sasane Makarand Vishwas	GTT Foundation by Barclays, Prathamesh Electricals & Mechanicals	15 days, 30 days
63.	T411063	Sathe Rohit Sampatrav	GTT Foundation by Barclays, Prathamesh Electricals & Mechanicals	15 days, 30 days
64.	T411064	Shedge Sumit Dayanand	GTT Foundation by Barclays	15 days
65.	T411065	Shinde Shrikant Krushnat	GTT Foundation by Barclays	15 days
66.	T411066	Shinde Sudhanshu Vijay	GTT Foundation by Barclays	15 days
67.	T411067	Sonawane Rakesh Kadubal	GTT Foundation by Barclays	15 days
68.	T411068	Sutar Vaishnavi Rajendra	GTT Foundation by Barclays, General Electric Pvt. Ltd.	15 days, 30 days
69.	T411069	Tamboli Arbaj Rajjak	Maha Genco	45 days
70.	T411070	Thakur Urwashi Praveen Kumar	GTT Foundation by Barclays, knowledge Solution India	15 days, 45 days
71.	T411071	Upade Hartik Mahadev	GTT Foundation by Barclays	15 days
72.	T411072	Veer Chintaman Mahadev	GTT Foundation by Barclays	15 days
73.	T411073	Waghchaure Jayesh Aniruddha	Qubix	30 days
74.	T411074	Waghmare Anjali Sunil	GTT Foundation by Barclays	15 days



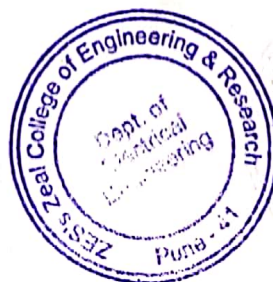
75.	T411075	Wandhekar Devanand Rajendra	GTT Foundation by Barclays	15 days
76.	T411076	Ware Pournima Samadhan	GTT Foundation by Barclays	15 days
77.	T411077	Yadav Prashant Jaywant	Texmaco Rail & Engineering Ltd.	27 days
78.	T411078	Yewale Mayuri Suresh	Qualityaustria central asia	60 days
Section TE - B				
79.	T412001	Anuse Abhishek Chandrakant	GTT Foundation by Barclays	15 days
80.	T412002	Aundhe Suyog Suresh	GTT Foundation by Barclays	15 days
81.	T412003	Bhakare Aniket Prakash	GTT Foundation by Barclays	15 days
82.	T412004	Bhalerao Pratik Shravan	GTT Foundation by Barclays	15 days
83.	T412005	Bharud Diksha Santosh	Sigma Electric Manufacturing Corporation	6 months
84.	T412006	Bhingardive Ruthik Santosh	GTT Foundation by Barclays	15 days
85.	T412007	Bhosale Sourabh Dattatray	GTT Foundation by Barclays	15 days
86.	T412008	Bhosale Swati Dattatray	R & D machines and Automation	30 days
87.	T412009	Biradar Ashitosh Sudhakar	GTT Foundation by Barclays	15 days
88.	T412010	Borawake Akash Annaso	GTT Foundation by Barclays	15 days
89.	T412011	Bulbule Gajanan Fakirji	GTT Foundation by Barclays	15 days
90.	T412012	Byale Shradha Ashokppa	GTT Foundation by Barclays	15 days
91.	T412013	Chandgude Pooja Sanjay	GTT Foundation by Barclays	15 days
92.	T412014	Chavan Ankita Raosaheb	GTT Foundation by Barclays, MahaDiscom	15 days, 30 days
93.	T412015	Chougule Vishwajeet Vijay	GTT Foundation by Barclays	15 days
94.	T412016	Damale Onkar Dattatray	GTT Foundation by Barclays, Tata motors	15 days, 30 days
95.	T412017	Damle Ratnadeep Sadanand	R. A. Enterprises	90 Days
96.	T412018	Deshmukh Pushpa Vijay	General Electric Pvt. Ltd.	30 days



97.	T412019	Deshpande Vishal Sanjay	R. A. Enterprises	90 Days
98.	T412020	Dhawale Samay Subodh		
99.	T412021	Dhumal Devyani Anil	Tata motors	30 days
100.	T412022	Dukare Shubham Dnyandeo	GTT Foundation by Barclays	15 days
101.	T412023	Fuke Prerana Ramakant	GTT Foundation by Barclays	15 days
102.	T412024	Gaikwad Aditya Girmallappa	GTT Foundation by Barclays	15 days
103.	T412025	Ghadage Rutuja Sanjay	Tata motors	30 days
104.	T412026	Ghige Vijay Tukaram	GTT Foundation by Barclays	15 days
105.	T412027	Ghughe Vikas Balkrishna	GTT Foundation by Barclays	15 days
106.	T412028	Gondrawar Shivam Mohan	GTT Foundation by Barclays	15 days
107.	T412029	Hinge Sayali Sambhajirao	Patil Automation Private Limited	30 days
108.	T412030	Hingole Sunil Nagsen	GTT Foundation by Barclays	15 days
109.	T412031	Hiwrale Sarvesh Pramod		
110.	T412032	Hole Sanket Dilip	GTT Foundation by Barclays	15 days
111.	T412033	Inamdar Niranjana Rajendra	R. A. Enterprises	90 Days
112.	T412034	Jagdale Harshada Dinkar	GTT Foundation by Barclays	15 days
113.	T412035	Kadam Prasad Shrirang	GTT Foundation by Barclays	15 days
114.	T412036	Kale Pramila Bhagwan	GTT Foundation by Barclays	15 days
115.	T412037	Kalpande Ashvini Pralhad	Dana Anand India Pvt. Ltd.	45 days
116.	T412038	Kambale Lekraj Ravindra	GTT Foundation by Barclays	15 days
117.	T412039	Kamble Sarika Sanjay	GKN Fokker Elmo India Pvt. Ltd.	45 days
118.	T412040	Kamble Sonali Bharat	GKN Fokker Elmo India Pvt. Ltd.	45 days
119.	T412041	Katawate Shivam Rajesh		
120.	T412042	Kharate Saurabh Santosh	GTT Foundation by	15 days



			Barclays	
121.	T412043	Lohbande Aniket Gunaji	R. A. Enterprises	90 Days
122.	T412045	Mehankar Nikhil Dnyandeo	GTT Foundation by Barclays	15 days
123.	T412046	Mendke Aishwarya Bhagwanrao	GTT Foundation by Barclays	15 days
124.	T412047	Nikam Komal Dilip	GTT Foundation by Barclays	15 days
125.	T412048	Nivangune Shital Rajendra	Shree Electricals & Engineers (India) Pvt.Ltd.	30 days
126.	T412049	Ogale Maithili Chandrakant	GTT Foundation by Barclays	15 days
127.	T412050	Parit Pavankumar Popat	Plexware Automations Pvt.Ltd.	30 days
128.	T412051	Patange Pratik Naresh	GTT Foundation by Barclays	15 days
129.	T412052	Pawar Pranil Pramod	GTT Foundation by Barclays	15 days
130.	T412053	Poloji Gayatri Ravikumar	GTT Foundation by Barclays	15 days
131.	T412054	Rasne Mukund Santosh	GTT Foundation by Barclays	15 days
132.	T412055	Rathod Ajay Ashok	R. A. Enterprises	90 Days
133.	T412056	Rathod Nitin Bhimrao	Western Heat & Forge	30 days
134.	T412057	Rekulge Nrasinha Somnath	33/11 K.V. Sub station of Dehani Lift Irrigation Scheme	25 days
135.	T412059	Salunkhe Rajeshwari Dilip	GTT Foundation by Barclays	15 days
136.	T412060	Salunkhe Shreyash Tukaram	GTT Foundation by Barclays	15 days
137.	T412061	Salunkhe Tejashri Tukaram	GTT Foundation by Barclays	15 days
138.	T412062	Samudre Prathamesh Narendra	GTT Foundation by Barclays	15 days
139.	T412063	Sawant Rushikesh Suryakant	TransFab Power (India) Pvt.Ltd.	30 days
140.	T412064	Shaikh Ayyaj Ayub	GTT Foundation by Barclays	15 days
141.	T412065	Shekhar Haridas Andhale	GTT Foundation by	15 days



			Barclays	
142.	T412066	Shelke Vaishnavi Dnyanoba	GTT Foundation by Barclays	15 days
143.	T412067	Shigwan Aakash Dattaram	Power Tech Automation	45 days
144.	T412068	Shinde Akash Ganesh	GTT Foundation by Barclays	15 days
145.	T412069	Shinde Pratik Balasaheb	GTT Foundation by Barclays	15 days
146.	T412070	Shirke Ankita Dattatraya	GTT Foundation by Barclays	15 days
147.	T412071	Shirsat Divyesh Suresh	GTT Foundation by Barclays	15 days
148.	T412072	Sorate Vaishnavi Avinash	GTT Foundation by Barclays	15 days
149.	T412073	Supekar Dnyaneshwar Sambhaji	R. A. Enterprises	90 Days
150.	T412074	Takale Vaibhav Hemant	GTT Foundation by Barclays	15 days
151.	T412075	Tenkale Swati Siddharth	GTT Foundation by Barclays	15 days
152.	T412076	Unune Anushka Samir	GTT Foundation by Barclays	15 days
153.	T412077	Usturge Swaraj Chandrashekhar	GTT Foundation by Barclays	15 days
154.	T412078	Waykole Dimple N	GTT Foundation by Barclays	15 days
155.	T412079	Yadav Amit Subhash	GTT Foundation by Barclays	15 days
156.	T412080	Zunjar Shrikant Chandrakant	GTT Foundation by Barclays	15 days

V. K. K.

Internship Co-coordinator
Department of Electrical Engineering
Zeal College of Engineering & Research, Pune

Rajesh

Head
Department of Electrical Engineering
Zeal College of Engineering & Research, Pune

Dept. of Electrical Engineering
Dnyanganga College of
Engineering & Research
Narhe Pune - 411 011





This is to certify that

Vaibhav Bagane

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



16- Apr-

To Whom It May Concern

I am writing this letter to recommend 'Miss Komal Bangar' to your esteemed organization. She is an honest, hardworking and a talented professional and has been serving as 'Apprentice' in General Electric from 1-feb 2022 to 30-march 2022.

I am 'Mr. Pranav Chaudhary', her manager during her entire tenure. She was deployed to work under production department of General Electric's Locomotives business. Her daily responsibilities were handling production activities like shift planning, production planning and tackling the issues in manufacturing processes, thus ensuring smooth functioning of the model line. She has always proven her dedication, confidence, and awareness in dealing with all the work assigned to her. Ms. Bangar has a proactive approach and has never shown adroitness by always adhering to safety standards, quality of products. One of her qualities that I appreciate the most is her ability to maintain compliance with minimum guidance. Moreover, she is well-versed with oratory skills which I could judge during her presentations and meetings. Her interaction with colleagues, seniors, and other administrative staff was equal and respectful.

Regards,

Mr. Pranav Chaudhary

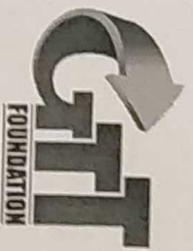
Production Manager

General Electric India Industrial Pvt. Ltd.

Wasuli Village, Chakan, MIDC

Pune, Maharashtra, 410501

Email ID: Pranav.chaudhary@ge.com



This is to certify that

Prajakta Bhosale

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



Roll No.: T411005

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 Kunal Shivaji Biradar

has successfully completed the termwork in

Subject Internship (Python GTT foundation)

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date : 1/6/22

f. Babu
Staff Member

Rajeev
Head of Department



This is to certify that

Aaditya Chaudhari

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by
 **BARCLAYS**



This is to certify that

Yogesh Chaudhari

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Vaishnavi Deokar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Shubham Desai

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Suraj Dhanuskar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

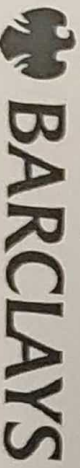
Date: Mar 2022

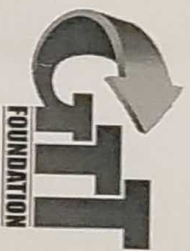


Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Akshata Dhavale

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Pratik Gaikwad

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Rushikesh Gangawane

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Nikhil Ghorpade

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Nisha Ghule

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Pooja Gorade

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

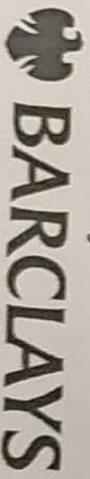
We wish the participant a very successful career ahead.

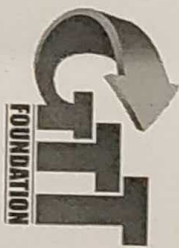
Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Hrushikesh Goregoankar

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Abhijeet Gujar

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Swapnil Gujar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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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 HATARE MRUNAL DATTATRAY

has successfully completed the termwork in

Subject Internship Python GII Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2.

Date : 1/6/22

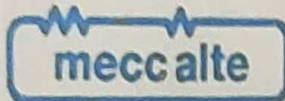

Staff Member


Head of Department

~~Head of Department~~
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041

Ref No

22



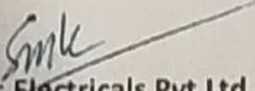
CERTIFICATE

Date : 27.01.2022

TO WHOM SO EVER IT MAY CONCERN.

This to certify that Mr. Kartik Prashant Jadhav, student of Bachelor of electrical engineering of Zeal College of Engineering and Research Pune, has completed In-plant training/ internship successfully during the period from 29.12.2021 to 27.01.2022

During training period we found him sincere and hardworking
We wish him every success for all his future endeavours.


For Avihās Electricals Pvt.Ltd.

A-21, MIDC, Ahmednagar-414111





This is to certify that

Sairaj Jadhav

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by
 **BARCLAYS**



This is to certify that

Prasad Jagdale

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Akshay Jawale


has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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 **BARCLAYS**

POWER TECH AUTOMATION

Office : FL NO-2 Rukmini Apartment ,Near Life Care Hospital Katraj
Pune-411 046, Maharashtra, INDIA

Mall Id -PowerTechAutomation@Gmail.Com +91-8956333427

GST NO- 27AAVFP452BK1Z1



POWERTCHAUTOMATION

INTERNSHIP/CERT/2022

Date 29.04.2022

CERTIFICATE

This is to certify that Miss. Dipall baban kachare student of Zeal College of Engineering & Research, Pune has successfully completed his project at Power Tech Automation, Pune from 01.03.2022 to 30.03.2022.

During the above period, He was placed In Quality Assurance,

He has studied on following project.

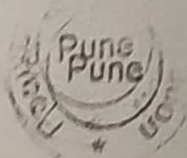
.NABL Standard ISO/IEC 17025:2017 for Process Requirement.

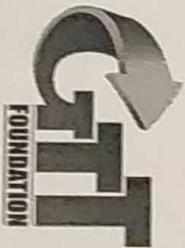
He was found to be enthusiastic and observant during the above period. His

Performance has been assessed as Excellent.

For **POWER TECH AUTOMATION**

Mr. Sachin Shekokar
Director





This is to certify that

Rupesh Kamthe

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



A handwritten signature in black ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



Roll No.:



Exam. Seat No.:

Zeal Education Society's
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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 Kaple Bhurad Purnesh

has successfully completed the termwork in


Subject Internship Python GAT Foundation.

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2.

Date : 11/6/22


Staff Member


Head of Department

Head of Department
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041



This is to certify that

Swapnil Kasture

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

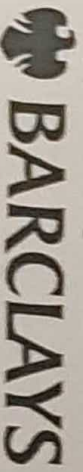
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Nikita Katkar

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

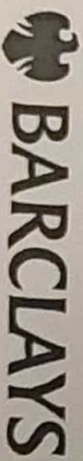
We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





Date 10-04-2022

CERTIFICATE

This is to certify that Ms. Vrushali Sanjay Katkar, student of Zeal College of Engineering and Research Pune has successfully completed her project at General Electric Pvt. Ltd Pune from 01- 03- 2022 to 10-04-2022.

During the above period, she placed in HUB Department she has studied on the HUB assembly.

She was found to be enthusiastic and observant during the above period. Her performance has been assessed as Excellent.
For GENERAL ELECTRIC Pvt. Ltd.

A handwritten signature in blue ink, appearing to read 'Shedge', is written over a horizontal line.

Vishal Shedge
Assistant Engineer(Manufacturing)

GENERAL ELECTRIC Pvt. Ltd
A-78/1 MIDC Chakan industrial area phase-II ,Village Vasuli, Khed
Taluka,Pune Maharashtra,Pin-410501,INDIA



This is to certify that

Nadhem Ahmed Khan

has successfully completed training of the **Barclays LifeSkills Programme**

conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Prafull Khandare

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

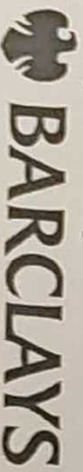
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



Roll No.:



Exam. Seat No.:

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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 Kharpude Akush Dattatray

has successfully completed the termwork in

Subject Internship Python G.T.T Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date : 1/1/22


Staff Member


Head of Department

Head of Department
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041



This is to certify that

Jaydip Khedkar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Pallavi Khirodkar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Harshad Khopade

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Niranjali Kokitkar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

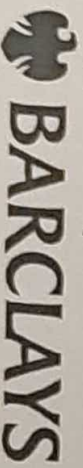
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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▪ Govt. Lic. Electrical Contractor ▪ *We Undertake all type of electrical Work*

A/p Nagadedewadi, Tal. Karveer, Dist. Kolhapur. Mob. 9403449841, 8698940707
Email : vlengineers009@gmail.com, vlshalpowar1010@gmail.com

• MC No. 30679 • PAN No. COMPP8960C • GSTIN : 27COMPP8960C1ZG

Date : / /20

CERTIFICATE

This is to certify that Mr. RAHUL BALIRAM KORE Student OF Zeal College OF Engineering & Research , Pune had done " INTERNSHIP " Conducted at V.I .ENGINEER. KOLHAPUR .From 01 March 2022 To 30 March 2022 During his Internship Period his Work And Conduct was satisfactory.

The Certificate has issued as per the request of the candidate we wish all success for his future endeavour's.





Bajaj Auto Limited,

Plot No. A-1, Village - Mahalunge,
MDC, Chakan, Pune-410 501

Tel. +91 2135 259301 04-10
Fax +91 2135 259302 03
www.bajajauto.com

THE WORLD'S
FAVOURITE
INDIAN 40

Ref. No.: HRD/TE/ 112219
Date: 05 November 2021


Ms. AAKANSHA G LOKHANDE
DTE

Sub: Completion of Training

Since the period of your training is over, you are hereby relieved of your duties with effect from 05 November 2021 after working hours.

You are hereby directed to return the identity card, punching card, tools etc., if any, issued in your name by the Company, and collect your dues, if any, from the Accounts Department during office hours after producing a clearance certificate from HRD Dept.

For Bajaj Auto Limited.,


Amit Gambhir
Div. Manager (Support Services)



This is to certify that

Rushikesh Magar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Rushikesh Mahindrakar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Mahadev Mali

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

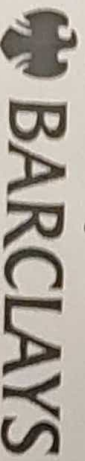
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



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 karate mayur nagesh

has successfully completed the termwork in

Subject Internship Python G.T.T Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2.

Date : 1/6/22

22/04

Staff Member

Rajesh

Head of Department
Head of Department
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041



This is to certify that

Abhishek Mohite

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

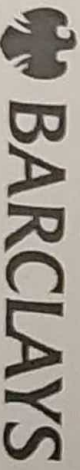
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Siddhesh Mokal

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Sudarshan More

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Avinash Mulik

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



A handwritten signature in black ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





Bajaj Auto Limited,
Plot No. 6, Village - Mahanagar,
Dist. - Jabalpur - 481003
Tel: 031-2330000, 2330001, 2330002
Fax: 031-2330003, 2330004
www.bajajauto.com

THE WORLD'S
FAVOURITE
INDIAN

49

Ref. No.: HRD/TE/ 112857
Date: 12 November 2021

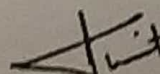
Ms. KHUSHBOO L NARVAIYYA
DTE

Sub: Completion of Training

Since the period of your training is over, you are hereby relieved of your duties with effect from 12 November 2021 after working hours.

You are hereby directed to return the identity card, punching card, tools etc., if any, issued in your name by the Company, and collect your dues, if any, from the Accounts Department during office hours after producing a clearance certificate from HRD Dept.

For Bajaj Auto Limited.,


Amit Gambhir
Div. Manager (Support Services)



This is to certify that

Nagesh Panchal

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

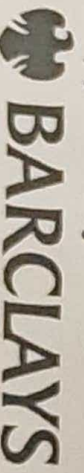
Date: Mar2022



A handwritten signature in black ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





52

HR/INTERNSHIP/CERT/524392/2022

Date : 29.04.2022

CERTIFICATE

This is to certify that Ms. Aishwarya Suhas Patil, student of Zeal College of Engineering & Research, Pune has successfully completed her project at TATA Motors Ltd, Pune from 01.03.2022 to 30.03.2022.

During the above period, she was placed in Quality Assurance.

She has studied on following project:

- NABL Standard ISO/IEC 17025:2017 for Process Requirement.

She was found to be enthusiastic and observant during the above period. Her performance has been assessed as **Excellent**.

For TATA MOTORS Ltd.

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

Sudhanya Basu
Sr Manager - HR

TATA MOTORS LIMITED

Pimpri Pune 411 018

Tel 91 20 6613 1111

www.tatamotors.com CIN L28920MH1945PLC004520

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



This is to certify that

Mrunalini Patil

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

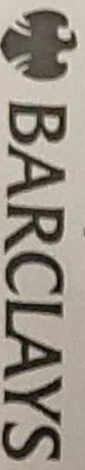
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



Roll No.: T411 053

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 Snehal prakash Pawade

has successfully completed the termwork in

Subject Python (Internship)

as per syllabus of the Savitribai Phule Pune University
 during the academic year 2021 - 2022

Sem. 2

Date : 2/6/22

I. Ray

Staff Member

Rajesh

Head of Department



This is to certify that

Niranjana Pawar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

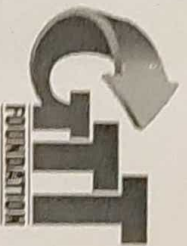
Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Pratik Phad

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar2022



A handwritten signature in black ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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This is to certify that

Vyankatesh Potdar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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Roll No.:



Exam. Seat No.:

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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 Pooja Pratik Pandurang.

has successfully completed the termwork in

Subject Internship Python GIT Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date : 1/6/22

Ray

Staff Member

Rajeev

Head of Department

Head of Department

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



This is to certify that

Nikita Sabale

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation





This is to certify that

Mansi Sagvekar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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SRS Enclosures & Plastics Components

Dr. No.138, Hissa No. 1/A/1, Dahi wadi, Handed Plaza - Chavli Road, Tal. Haveli, Dist. Pune - 411041
Cont : +91 99007 81212, Email: srs.enclosures@163.com
www.srsenclosures.com | www.srsplasticscomponents.com

Ref No: SRS/21-22/0056

DATE: 14.01.2022

CERTIFICATE

This is to certify that Mr. Shriram .R. Salekar , student of B.E Electrical Engineering Programme From Zeal college of Engineering and Research, has undergone Industrial Training at SRS Enclosures & Plastics Components , pune from 07/01/2022 To 13/02/2022 .

He has successfully completed the training and submitted a report with his overall performance being Excellent.



RAJENDRA Y KADAM



This is to certify that

Aniket Samudra

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganosh
Dr. Uma Ganosh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Makarand Sasane

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



A handwritten signature in blue ink, appearing to read 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Rohit Sathe

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Sumit Shedge

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



Roll No.: T411065

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 Shrikant Krushnat Shinde


has successfully completed the termwork in

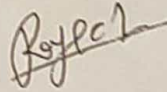
Subject Internship (Python - GTF Foundation)

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. II

Date : 31/05/2022


Staff Member


Head of Department



This is to certify that

Sudhanshu Shinde

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



Roll No.: T411067

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 Rakesh Kadubal Sonawane


has successfully completed the termwork in

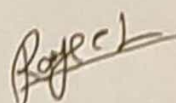
Subject Internship (Python - 477 Foundation)

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date : 1/06/2022


Staff Member


Head of Department



This is to certify that

Vaishnavi Sutar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

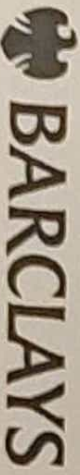
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



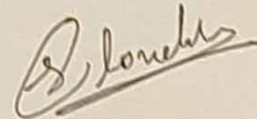
Date- 15.02.2022

CERTIFICATE

This is to certify that Mr. Tamboli Arbaj Rajjak student of BE- Electrical from Zeal College of Engineering And Research has successfully completed the Internship in partial fulfillment of requirement for the completion of BE- Electrical course as prescribed by the Zeal College of Engineering and Research Narhe, Pune. This training report is the record of authentic work carried by him during the period from 15.12.2021 to 15.02.2022.

We observed that he is very sincere and hardworking. We wish him a successful and prosperous career ahead.

He has worked under my guidance.



Swapnil Londhe

Asst. Engineer

MSEDCL Karmala S/Dn



This is to certify that

Urwashi Thakur

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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70.



This is to certify that

Hartik Upade

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

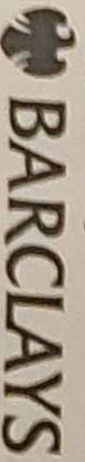
Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Chintaman Veer

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by
 **BARCLAYS**

Date: 15/03/2022

Name: Jayesh Waghchaure

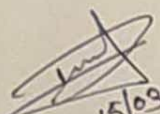
To whom so ever it may concern.

It is to certify that Jayesh Waghchaure has completed internship with QUBIX from 07th Feb 2022 to 10th Mar 2022.

He worked under the direct supervision of the Team leader and got the opportunity to work in Quality department for team Along with him other duties. He was responsible for managing the timelines of the projects he was working on. His manager is pleased with his timely highlighting and managing of any delays, which could have affected the project completions.

He is a quick learner, and He learned our operations system and organizational culture quickly. With his eagerness to learn, he developed various skills while working with us. His team collaboration skills and friendly nature made him part of our organization even during the first week. He outdid the expected performance, and we are happy to have the opportunity for training such an enthusiastic candidate

We wish him the best of luck for all his endeavours.


Regards,
Human Resources

15/03/2022



This is to certify that

Anjali Waghmare

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Devanand Wandhekar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Pournima Ware

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





TEXMACO

Texmaco Rail & Engineering Ltd.
(BRIGHT POWER DIVISION)

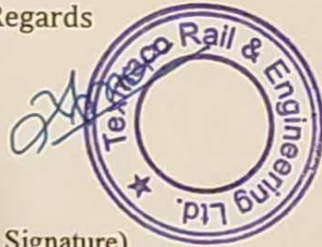
77

Certification of Completion of Industrial Training

This is to certify that **Mr. Prashant Jaywant Yadav** with BE in Electrical Engineering from Zeal Education Society, Narhe, Pune, has successfully Completed an Industrial Training at Texmaco Rail & Engineering Ltd. **From 03 Jan 2022 to 29 Jan 2022.**

We found him sincere, Hardworking technically sound and result oriented. He worked well as part of a team during his tenure. We take this opportunity to thank him and wish him all the best for his future.

Thanks & Regards



(Authorized Signature)
Texmaco Rail & Engineering Ltd.

Date: 06-Apr-2022

Ref No- QACA/HR/2021-22/1455

"TO WHOMSOEVER IT MAY CONCERN"

This is to certify that **Ms. Mayuri Suresh Yewle**, Student of **Zeal College of Engineering and Research**,

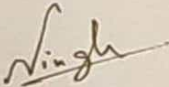
Has successfully completed a summer internship in Quality Austria Central Asia Pvt. Ltd Pune.

From **02-Feb-2022** to **05-Apr-2022**.

During his tenure with us his contributions towards the organization were found good.

Wish you all the best in your future endeavors.

For Quality Austria Central Asia Pvt. Ltd.



Navneet Singh

Head- HR

Quality Austria Central Asia Private Ltd.



This is to certify that

Abhishek Anuse

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Suyog Aundhe

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by
 BARCLAYS



This is to certify that

Aniket Bhakare

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Pratik Bhalerao

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

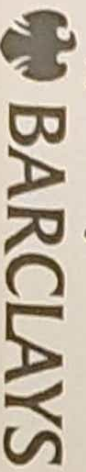
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



83



Friday, April 01, 2022

Diksha Bharud

Emp. No - 381723

Subject: Internship/Industrial Training Certificate

This is to certify that Ms. Diksha Bharud, Has Completed her internship/industrial training at our organization from 25 Sep 2021 to 25 March 2022.

Her internship activities include familiarization to all departments and Processes and their management overview involved with the production process of the company. She was majorly involved with the activities of Control Design and Automation Department.

During the period of her internship program with us she had been exposed to various functional departments of Automation industry. She was pönctual, hardworking and inquisitive.

We wish you all the best in your all future endeavor.

Kindly return the duplicate copy of this letter duly signed by you as a token of acceptance.

Thanking you.

Yours faithfully,

For, SIGMA Electric Manufacturing Corporation Pvt. Ltd.

Amurale

Authorised signatory

SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

(Formerly known as Sigma Electric Manufacturing Pvt. Ltd. & Sunk Rock Metal Foundries India Private Limited)

CIN - U74999PN2016PTC105939

REGD. OFFICE Gat No.: 154/1, 155, Post Mahalunge Village, Chakan-Talegaon Road, Khed, Dist. Pune-410501 Maharashtra, India.

& UNIT 1 Phone +91 - 2135 - 307100

UNIT 2 Plot A-2, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

UNIT 3 Plot B27, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaelectric.com

EXPORT ORIENTED UNIT



This is to certify that

Ruthik Bhingardive

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

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CERTIFICATE

This is to certify that

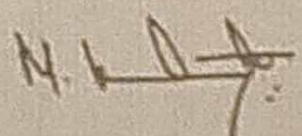
Mr. Saurbh Bhosale

Has successfully completed the comprehensive training course

Finishing School in Production Engineering

Held from 07 March to 20 April 2022, Pune

His overall performance has been Good.



M. Krishnamoorthy
Senior Director - Training

Certificate No. : IMTMA/PUNE/FSPE/MAR'22/121



IMTMA Technology Centre

Indian Machine Tool Manufacturers' Association

www.kstmstraining.com



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 Bhosale swati Daddatray

has successfully completed the termwork in

Subject Internship Python GIT Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date : 1/6/22

Staff Member

Head of Department

Head of Department
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041



This is to certify that

Ashitosh Biradar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



A handwritten signature in blue ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



Roll No.: T412010

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 Akash Anand Borwade

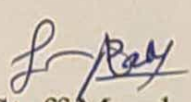
has successfully completed the termwork in


Subject Internship (Python GTT Foundation)

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 20 22

Sem. 2

Date : 1/06/2022


Staff Member


Head of Department



This is to certify that

Gajanan Bulbule

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



A handwritten signature in black ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Shreeadhya
Byale Ashokkappa

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

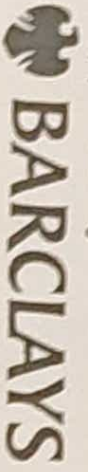
Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Pooja Chandgude

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Ankita Chavan

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Vishwajeet Chougule

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Onkar Damale

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



A handwritten signature in black ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



R. A. ENTERPRISES

Khedekar Industrial Estate, Narhe-Dhayari Road, Narhe Pune - 411041

E- Mail - raenterprises.pune@gmail.com Contact - 7507538144

GST No - 27CMFPA7602D1ZJ ; UDYAM Reg. No. - UDYAM-MH-26-0002137

Ref No.- rent/lh/22-23/24

Date - 30/05/2022

To,

HOD, Electrical Engg. Dept.
Zeal Education Society's
Zeal College of Engineering and Research
Narhe Pune- 411041.

Subject - Internship programme Completion Certificate.

Dear Sir/Madam,

This is to certify that **Mr. Ratnadeep Sadanand Damle** student of TE Electrical Engineering from Zeal College of Engineering , Narhe Pune has successfully undergone the implant training/internship programme at our manufacturing facility during 1st Jan 2022 to 31st March 2022.

During his internship he has demonstrated his skill with self motivation to learn new skills for our solenoid valve development and electrical maintenance activities. His performance exceeded our expectations.

We wish him All The Best for his upcoming career.



Best Regards,
For , R. A. Enterprises
Mr. Rohit Ankush
(Factory Executive)

ISO 9001:2015 COMPANY





96

Date 10-04-2022

CERTIFICATE

This is to certify that **Ms. Pushpa Vijay Deshmukh**, student of Zeal Colledge of Engineering and Research Pune has successfully completed her project at General Electric Ptd.Ltd Pune from **01-03-2022 to 10-04-2022**.

During the above period, she placed in Starter Department she has studied on the Starter assembly.

She was found to be enthusiastic and observant during the above period. Her performance has been assessed as Excellent.

For GENERAL ELECTRIC Ptd. Ltd.

A handwritten signature in blue ink, appearing to read 'Anirudhha Chavan'.

Anirudhha Chavan
Junior Engineer (Manufacturing)

GENERAL ELECTRIC Pvt.Ltd

A-78/1 MIDC Chakan industrial area phase-II ,Village Vasuli,
Khed Taluka,Pune Maharashtra,Pin-410501,INDIA

R. A. ENTERPRISES

Khedekar Industrial Estate, Narhe-Dhayari Road, Narhe Pune - 411041

E- Mail - raenterprises.pune@gmail.com Contact - 7507538144

GST No - 27CMFPA7602D1ZJ ; UDYAM Reg. No. - UDYAM-MH-26-0002137

97

Ref No.- rent/lh/22-23/22

Date - 30/05/2022

To,

HOD, Electrical Engg. Dept.
Zeal Education Society's
Zeal College of Engineering and Research
Narhe Pune- 411041.

Subject - Internship programme Completion Certificate.

Dear Sir/Madam,

This is to certify that **Mr. Vishal Sanjay Deshpande** student of TE Electrical Engineering from Zeal College of Engineering , Narhe Pune has successfully undergone the implant training/internship programme at our manufacturing facility during 1st Jan 2022 to 31st March 2022.

During his internship he has demonstrated his skill with self motivation to learn new skills for our solenoid valve development and electrical maintenance activities. His performance exceeded our expectations.

We wish him All The Best for his upcoming career.



Best Regards,
For , R. A. Enterprises
Mr. Rohit Ankush
(Factory Executive)

ISO 9001:2015 COMPANY





99

HR/INTERNSHIP/CERT/524391/2022

Date : 03.05.2022

CERTIFICATE

This is to certify that **Ms. Devyani Anil Dhumal**, student of **Zeal College of Engineering & Research, Pune** has successfully completed her project at **TATA Motors Ltd, Pune** from **01.03.2022 to 31.03.2022**.

During the above period, she was placed in Gear Factory.

She has studied on following project:

- **Elimination of Rejection Due to Interchange of Synchro Ring on GB27, Third and Fourth Speed Gear.**

She was found to be enthusiastic and observant during the above period. Her performance has been assessed as **Excellent**.

For TATA MOTORS Ltd.

Soma Singh
Sr Manager - HR

TATA MOTORS LIMITED

Pimpri Pune 411 018

Tel 91 20 6613 1111

www.tatamotors.com CIN L28920MH1945PLC004520

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



This is to certify that

Shubham Dukare

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Prerana Fuke

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Aditya Gaikwad

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





103

HR/INTERNSHIP/CERT/524375/2022

Date : 20.04.2022

CERTIFICATE

This is to certify that Ms. Rutuja Sanjay Ghadage student of Zeal college of engineering And Research has successfully completed her project at TATA Motors Ltd, Pune from **01.01.2022 to 31.03.2022.**

During the above period, she was placed in ICV Factory Department she has Studied on following project:

- **No touch DRR improvement.**

She was found to be enthusiastic and observant during the above period. Her Performance has been assessed as Excellent.

For TATA MOTORS Ltd.

Vinay Patil

DGM (ICV Factory)
Vinay Patil
DGM - Trim
ICV Factory, Pune.

TATA MOTORS LIMITED

Pimpri Pune 411 018

Tel 91 20 6613 1111

www.tatamotors.com CIN L28920MH1945PLC004520

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



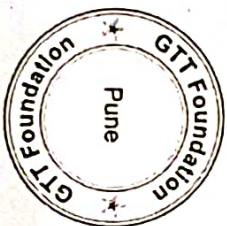
This is to certify that

Vijay Ghige

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Vikas Ghuge

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





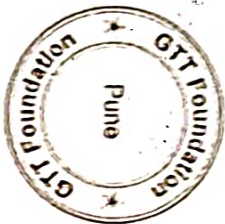
This is to certify that

Shivam Gondrawar

has successfully completed training of the Barclays Lifeskills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganoshi
Dr. Uma Ganoshi
Principal Trustee,
GTT Foundation

Supported by



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 Hinge sayali Sumbhajirao

has successfully completed the termwork in

Subject Internship Python GFTT Foundation.

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2.

Date : 1/6/22


Staff Member


Head of Department

~~Head of Department~~
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041



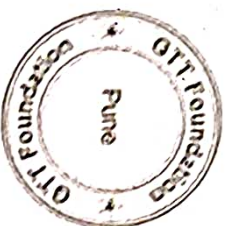
This is to certify that

Sunil Hingole

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





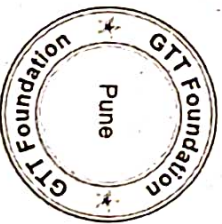
This is to certify that

Sanket Hole

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





SHRIRAM CONTRACTORS & ELECTRICAL SUPPLIERS

Certificate

This is to certify that

Mr. Inamdar Niranjan Rajendra

Has successfully completed field Internship on "Transformer Installation and Testing" from our site for the fulfillment of Curriculum of Degree SPP University in Electrical Engineering in

Zeal College of Engineering and Research, Narhe Pune- 411041

From 04 Feb 2022 to 04 Mar 2022

Vaibhav D. Chigure
Proprietor

Shriram Contractor, Latur



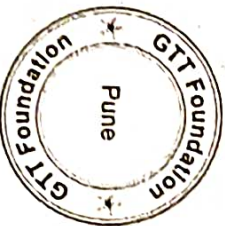
This is to certify that

Harshada Jagdale

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

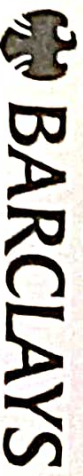
We wish the participant a very successful career ahead.

Date: Mar2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





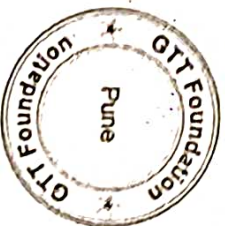
This is to certify that

Prasad Kadam

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

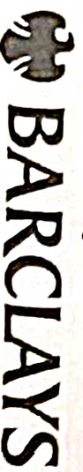
We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





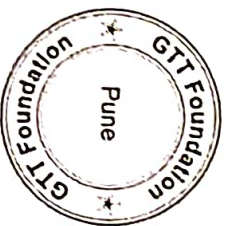
This is to certify that

Pramila Kale

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





Dana Anand India Pvt. Ltd.

115

(Formerly Known as Spicer India Private Limited)

29th Milestone, Pune -Nashik Highway

Taluka khed, Village Kuruli,

Dist. Pune 410501 India

CIN: UG4300MH1993PTC073227

Dana.com | DanaAnandIndia.com

Date : 09th April 2022

Name : Ashwini pralhad kalpande

Employee no : 1304731

To whom so ever it may concern,

It is to certify that Ashwini pralhad kalpande has completed internship with DANA ANAND INDIA Pvt Ltd from 05th Jan 2022 till 25th Feb 2022

She worked under the direct supervision of the team leaders and got the opportunity to Work in production department for P37S team. Along with her other duties, she was responsible for managing the time line of the project she was working on. Her manager is pleased with her timely highlighting and managing of any delay, which could have affected to the project completions.

She is quick learner, and she learned our operations system and organizational culture quickly with her eagerness so learn she developed various skills and friendly nature made her part of our organization even during the first week. She out did the expected performance, and we are happy to have the opportunity for training such an enthusiastic candidate.

We wish her the best of luck for all her endeavours.

Regards,

Human resources

People Finding A Better Way®



This is to certify that

Lekraj Kamble

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



Date: 07th April 2022

Name : Sarika Kamble

Empl No : 500261

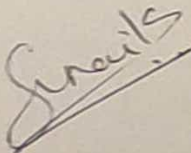
To whom so ever it may concern,

It is to certify that Sarika Kamble has completed internship with GKN Fokker Elmo India Pvt Ltd from 20 Jan 2022 till 10th Mar 2022

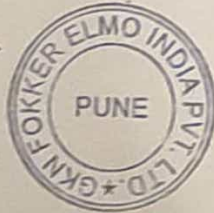
She worked under the direct supervision of the Team leader and got the opportunity to work in Production department for Boeing team .Along with her other duties, she was responsible for managing the timelines of the projects she was working on. Her manager is pleased with her timely highlighting and managing of any delays, which could have affected the project completions.

She is a quick learner, and she learned our operations system and organizational culture quickly. With her eagerness to learn, she developed various skills while working with us. Her team collaboration skills and friendly nature made her part of our organization even during the first week. She outdid the expected performance, and we are happy to have the opportunity for training such an enthusiastic candidate.

We wish her the best of luck for all her endeavors.



Regards,



Human Resources

Date: 07th April 2022

Name : Sonali Bharat Kamble

Empl No : 500372

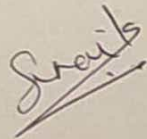
To whom so ever it may concern,

It is to certify that Sonali Kamble has completed internship with GKN Fokker Elmo India Pvt Ltd from 20 Jan 2022 till 10th Mar 2022

She worked under the direct supervision of the Team leader and got the opportunity to work in Production department for Collins team .Along with her other duties, she was responsible for managing the timelines of the projects she was working on. Her manager is pleased with her timely highlighting and managing of any delays, which could have affected the project completions.

She is a quick learner, and she learned our operations system and organizational culture quickly. With her eagerness to learn, she developed various skills while working with us. Her team collaboration skills and friendly nature made her part of our organization even during the first week. She outdid the expected performance, and we are happy to have the opportunity for training such an enthusiastic candidate.

We wish her the best of luck for all her endeavors.



Regards,

Human Resources



This is to certify that

Saurabh Kharate

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



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 Lohbharde Aniket Gunaji

has successfully completed the termwork in


Subject Internship Python GITT Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date : 1/6/22


Staff Member


Head of Department

Head of Department
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041



This is to certify that

Nikhil Mehankar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar'2022



A handwritten signature in black ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Aishwarya Mendke

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





Friday, April 01, 2022

Komal Nikam

Emp.No-380520

Subject :Internship/Industrial Training Certificate

This is to certify that Ms.Komal Nikam, has Completed her internship/Industrial training at our organization from 27 feb 2022 to 27 march2022.

Her internship activities include familiarization to all departments and Processes and their management overview involved with the production process of the company.She was majorly involved with the activities of Machine Shop Department.

During the period of her internship program with us she had been exposed to various functional departments of manufacturing industry. She was punctual, hardworking and inquisitive.

We wish you all the best in your all future endeavor.

Thanking you,

Yours faithfully,

For,SIGMA Electric Manufacturing Corporation Pvt.Ltd.

Authorised signatory

SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

(Formerly known as Sigma Electric Manufacturing Pvt. Ltd. & Sank Rock Metal Foundries India Private Limited)

CIN - U74999PH2016PTC186929

REGD. OFFICE & UNIT 1 Dist No.: 154/1, 155, Post Mahalinga Village, Chakan, Talegaon Road, Khed, Dist. Pune-410501 Maharashtra, India. Phone +91 - 2125 - 307100

UNIT 2 Post A-2, MIDC Chakan Industrial Area, Mahalinga Village, Chakan, Pune - 410501, India.

UNIT 3 Post B3Y, MIDC Chakan Industrial Area, Mahalinga Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaelectric.com

EXPORT ORIENTED UNIT

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 Nivmagune Shital Patendra.

has successfully completed the termwork in

Subject Internship Python GIT Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date : 1/6/22


Staff Member


Head of Department
Head of Department

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



This is to certify that

Maithili Ogale

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

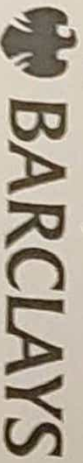
Date: Mar 2022



A handwritten signature in black ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



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 Parit Pavankumar Popat.

has successfully completed the termwork in

Subject Internship Python GIT Foundation.

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2.

Date : 11/6/22

Staff Member

Head of Department

Head of Department

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



This is to certify that

Pratik Patange

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Pranil Pawar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

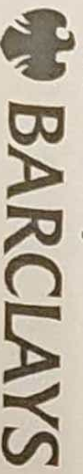
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Gayatri Poloji

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Mukund Rasne

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



R. A. ENTERPRISES

Khedekar Industrial Estate, Narhe-Dhayari Road, Narhe Pune - 411041

E- Mail - raenterprises.pune@gmail.com Contact - 7507538144

GST No - 27CMFPA7602D1ZJ ; UDYAM Reg. No. - UDYAM-MH-26-0002137

Ref No.- rent/lh/22-23/24

Date - 30/05/2022

To,

HOD, Electrical Engg. Dept.
Zeal Education Society's
Zeal College of Engineering and Research
Narhe Pune- 411041.

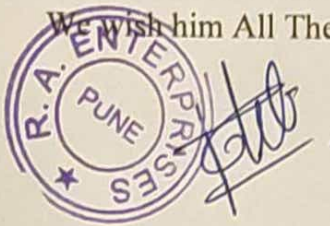
Subject - Internship programme Completion Certificate.

Dear Sir/Madam,

This is to certify that **Mr. Ajay Ashok Rathod** student of TE Electrical Engineering from Zeal College of Engineering , Narhe Pune has successfully undergone the implant training/internship programme at our manufacturing facility during 1st Jan 2022 to 31st March 2022.

During his internship he has demonstrated his skill with self motivation to learn new skills for our solenoid valve development and electrical maintenance activities. His performance exceeded our expectations.

We wish him All The Best for his upcoming career.



A circular purple stamp with the text 'R.A. ENTERPRISES' around the top edge and 'PUNE' in the center. A handwritten signature in blue ink is written over the stamp.

Best Regards,
For , R. A. Enterprises
Mr. Rohit Ankush
(Factory Executive)

ISO 9001:2015 COMPANY





WESTERN
HEAT & FORGE

Ref: WHFPL/HRD/02/2022

January 12, 2022

To,
Mr. Nitin Bhimrao Rathod
At/po Tigaon, Tq wadvani,
Dist Beed, pin-431132
Maharashtra

OFFER LETTER

Dear Mr.

With reference to your application and subsequent interview you had with us on **January 12, 2022**, we are pleased to offer you a position of "Trainee Engineer" in the department of Maintenance in our organization at **Unit - I (Bhosari)**. Your gross emoluments will be as agreed. The break-up will be done subsequently and formal Appointment Letter will be issued to you after the time of your joining.

You are requested to join the duties on or before **January 21, 2022**. Thereafter this offer would lapse, unless revalidated by the Management.

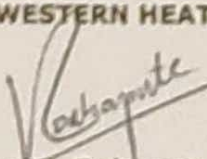
Please bring the following documents in original and copy for our record -

1. Proof of Date of Birth - School leaving certificate / Passport.
2. Present employer CTC structure duly certified.
3. Proof of residence - Ration card / Electricity bill (Present & Permanent Residence).
4. Identity Proof - PAN card and Aadhar card.
5. Copy of resignation, relieving letter, Experience certificate.
6. Three recent passport sizes colored photos.
7. Qualification / Additional Qualification certificates.

Also, you are requested to forward us a copy of the resignation letter submitted to your present employer for our confirmation within 7 days from this offer.

Please sign and return duplicate copy of this letter in token of having accepted the same.

Thanking You,
Yours faithfully,
For **WESTERN HEAT AND FORGE PVT. LTD.**


Vishal R. Dahapute
Dy. General Manager - HR & ER

I accept the offer and I will be joining
Signature

* ISO 9001:2015 * IATF 16949:2016 * ISO 14001:2015 * OHSAS 18001:2007
* PED * API Spec. Q1 * API 20B & 20C * NABL Accredited LAB

Western Heat & Forge Pvt. Ltd.

Registered Office : J-2 'S' Block, MIDC, Telco Road, Bhosari, Pune - 411026, India
Tel : +91 20 6635 0700 | Fax : +91 20 2712 0410 | www.WesternHeatForge.com

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 Pelkulkar Narsinhra Somnath

has successfully completed the termwork in

Subject Internship Python GFTT Foundation.

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2.

Date : 11/6/22

Staff Member

Head of Department

Head of Department

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

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 Salunkhe Parashwami Dilip

has successfully completed the termwork in

Subject Internship Python GFTT Foundation.

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2.

Date : 1/6/22


Staff Member


Head of Department

Head of Department
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041

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 Salunkhe shreyash Tukaram

has successfully completed the termwork in


Subject Internship Python GIT Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date : 1/6/22


Staff Member


Head of Department
Head of Department
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041



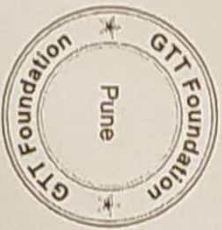
This is to certify that

Tejashri Salunkhe

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

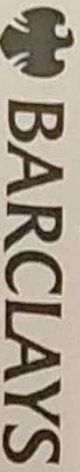
Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



Roll No.: T41 2062

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 Samudre Prathmesh Narendra

has successfully completed the termwork in

Subject Internship (GTT Foundation - Python)

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. II

Date : 2/6/22

Staff Member

Head of Department

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 Sawant Rushikesh Suryakant.

has successfully completed the termwork in


Subject Internship Python GIT Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date: 1/6/22


Staff Member


Head of Department
Head of Department
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041

Roll No.: 7412064

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 Shaikh Ayyaj Ayub

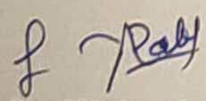
has successfully completed the termwork in

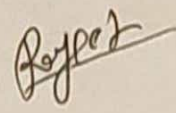
Subject Internship (Python - GTT foundation)

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2

Date : 2/6/22


Staff Member


Head of Department

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 shekhar Haridas Ambale.

has successfully completed the termwork in

Subject Internship Python GII Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2.

Date : 11/6/22


Staff Member


Head of Department

Head of Department

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

Roll No.: T412066

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 Ms Vaishnavi D. Shelke

has successfully completed the termwork in

Subject Internship (Python - GTT Foundation)

as per syllabus of the Savitribai Phule Pune University
during the academic year 20 21 - 20 22

Sem. 2

Date : 1/6/22

J. Patil
Staff Member

Rajesh
Head of Department

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 Shikwan Aakash Duttaram

has successfully completed the termwork in

Subject Internship Within GITS Foundation

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 2022

Sem. 2.

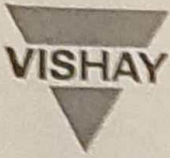
Date : 1/6/22


Staff Member


Head of Department

Head of Department

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



144

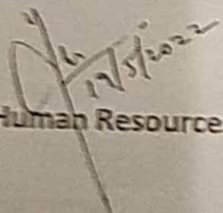
Human Resources
19 May 2022

CERTIFICATE

This is to certify that, *Mr. Akash Ganesh Shinde* from *ZEAL College of engineering and Research* has successfully completed his Industrial Training in our company for a period of 10 Feb 2022 to 10 Mar 2022.

During this period, we found him to be sincere, hard working and dedicated individual. We wish him all the best for his future endeavor.

For, Vishay Components India Pvt. Ltd.


Human Resources



This is to certify that

Pratik Shinde

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

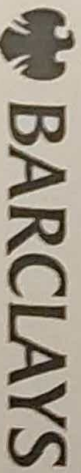
Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



146

Roll No.: T412070

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 Ankita Dattatraya Shirke

has successfully completed the termwork in

Subject Internship (Python - GTT Foundation)

as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 20 22

Sem. 2

Date : 4/6/22

Staff Member

Head of Department



This is to certify that

Divyesh Shirsat

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Vaishnavi Sorate

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

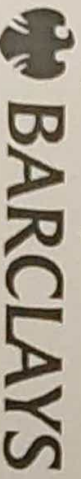
Date: Mar 2022



Uma Ganesh

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by



R. A. ENTERPRISES

Khedekar Industrial Estate, Narhe-Dhayari Road, Narhe Pune - 411041

E- Mail - raenterprises.pune@gmail.com Contact - 7507538144

GST No - 27CMFPA7602D1ZJ ; UDYAM Reg. No. - UDYAM-MH-26-0002137

Ref No.- rent/lh/22-23/23

Date - 30/05/2022

To,

HOD, Electrical Engg. Dept.
Zeal Education Society's
Zeal College of Engineering and Research
Narhe Pune- 411041.

Subject - Internship programme Completion Certificate.

Dear Sir/Madam,

This is to certify that Mr. Dnyaneshwar Sambhaji Supekar student of TE Electrical Engineering from Zeal College of Engineering , Narhe Pune has successfully undergone the implant training/internship programme at our manufacturing facility during 1st Jan 2022 to 31st March 2022.

During his internship he has demonstrated his skill with self motivation to learn new skills for our solenoid valve development and electrical maintenance activities. His performance exceeded our expectations.

We wish him All The Best for his upcoming career.



Best Regards,
For , R. A. Enterprises
Mr. Rohit Ankush
(Factory Executive)

ISO 9001:2015 COMPANY





This is to certify that

Vaibhav Takale

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Swati Tenkale

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Anushka Unune

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

Date: Mar 2022

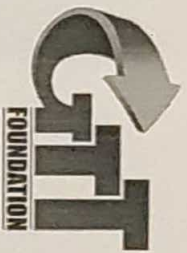


A handwritten signature in black ink that reads 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Swaraj Usturge

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



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

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Dimple Waykole

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.

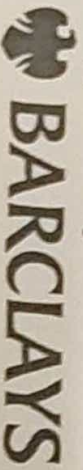
Date: Mar 2022

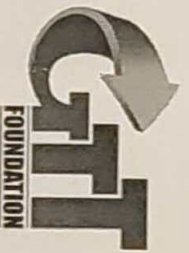


A handwritten signature in black ink, appearing to read 'Uma Ganesh'.

Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by





This is to certify that

Amit Yadav

has successfully completed training of the **Barclays LifeSkills Programme**
conducted by **GTT Foundation** at .

We wish the participant a very successful career ahead.

Date: Mar 2022



Uma Ganesh
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by
 **BARCLAYS**



This is to certify that

Shrikant Zunjar

has successfully completed training of the Barclays LifeSkills Programme
conducted by GTT Foundation at .

We wish the participant a very successful career ahead.



Date: Mar 2022



Uma Ganesh

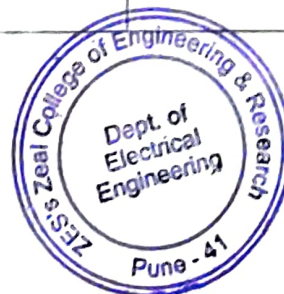
Dr. Uma Ganesh
Principal Trustee,
GTT Foundation

Supported by
BARCLAYS

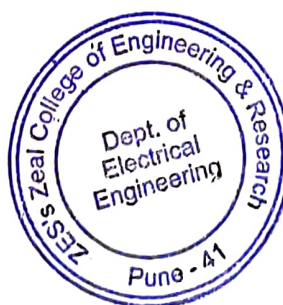
	ZEAL EDUCATION SOCIETY'S	
	ZEAL COLLEGE OF ENGINEERING AND RESEARCH	
	NARHE PUNE -41 INDIA	

BE PROJECT SUMMARY A Y 2021-22

Roll No.	Name of Student	Group No.	Name of Guide	Title of Project
B411044	Pratiksha Prakash Patil	G1	Prof. B. S. K (7558777125)	IOT based transformer monitoring system
B411053	Najma Atiullah Shaikh			
B411039	Radhika Mahesh Mithari			
B411059	Shrutika Narayan Shitole			
B411006	Ranjeet Hanumant C.	G2	Prof. Komal S. Zope (9028602124)	GSM Based Distribution Transformer Monitoring System
B411001	Aniket Sanjay Bade			
B411012	Disle Hanuman Laxman			
B411016	Mayur Kerba Gunjnale			
B411037	Mate Digvijay Tanaji	G3	Prof. Ranjit M. Zende (9763030081)	BLDC motor application in Electric Vehicle and the innovation in electric vehicle.
B411050	Rupnar Smita Sarjerao			
B411062	Urane Tanmay subhash			
B411063	Taware Aniket Balu			
B411007	Rushikesh Rajendra Chavan	G4	Prof. Vishal Tathe (7066065634)	Reactive power compensation using SVC
B411015	Shruti Kishor Gorale			
B411029	Prashik Vikas Kothawale			
B411034	Harish Manohar Mali			
B411027	Swapnil Sanjay Khavale	G5	Dr. M. G. Unde (9422727088)	Multilevel inverter (cascaded H-bridge)
B411031	Shrihari Prasad Kulkarni			
B411035	Niraj Anil Malusare			
B411070	Anup Laxman Yelpale			
B411014	Giri Shivanand Madhav	G6	Prof. Komal S. Zope (9028602124)	Floating solar with DAM door controller
B411032	Kumbhar Gouri sunil			
B411048	Penurkar Ajinkya Arun			
B411056	Shinde Kiran Audumbar			
B411060	Shivtare Rushikesh Ashok	G7	Prof. Chaitanya Deshpande (8956687623)	Simulation of 3 phase inverter based on SVPWM using MATLAB simulink
B411049	Abhishek santosh Reelkar			
B411046	Pawar Kunal Bhanudas			
B411022	Kadav Viraj Nandkumar			



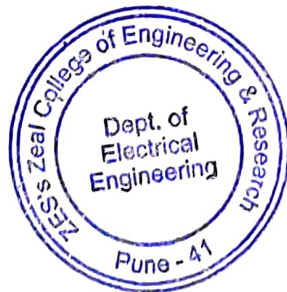
Roll No.	Name of Student	Group No.	Name of Guide	Title of Project
B411005	Burele Vrushali Sanjay	G8	Prof. B. S. K (7558777125)	Smart card based linemen safety
B411008	Chikte Atharva Rupendra			
B411042	Patil Aniket Vilas			
B411043	Patil Karishma Yuvraj			
B411002	Bawache Krishna Balaji	G9	Prof. Jaysing A. Gurav (9420696934)	Solar powered water quality monitoring system using sensors
B411018	Jadhav Sagar Sarjerao			
B411025	Khande Vijay Shivaji			
B411040	Nimbore Rahul Sudhakar			
B11013	Gavali Mrunali Ganpati	G10	Prof. Vivek D. Bavdhane (8888758425)	Advanced charging stations for electric vehicles
B11058	Shinde Priyanka Raosaheb			
B11030	Kudale Sushant Dnyanadev			
B11028	Kondekar Padmaj Nagendra			
B411009	Govind Balaji Darade	G11	Prof. Jaysing A. Gurav (9420696934)	Duel Axis Solar Tracker System
B411061	Pratima Abhimanyu Sonpir			
B411021	Sujit Hanumant Kadam			
B411065	Sagar Govind Temgire			
B411045	Ameya Arun Pawar	G12	Prof. J.V. Raidu (9951643671)	Energy management system
B411067	Vaibhav Satyaprem Tonde			
B411051	Shailesh Vijay Salunke			
B411069	Amit Chandrakant Yadav			
B411024	Kazi Mohoddin Sabab	G13	Prof. Ranjit M. Zende (9763030081)	Inverter back up indicator using arduino nano
B411054	Shedage Shweta Satish			
B411064	Temghare Payal Navnath			
B411068	Vare Sneha Dattatray			
B411036	Manure sahebalal Bandenavaj	G14	Prof. Chaitanya Deshpande (8956687623)	IOT based smart grid system using arduino
B411019	Jadhav vaibhav sundar			
B411010	Deo mayur Anil			
B411033	Madle Supriya Madhav			



Roll No.	Name of Student	Group No.	Name of Guide	Title of Project
B411038	Raghvendra Akhilesh Mishra	G15	Prof. Vishal Tathe (7066065634)	modification of one inductor push-pull converter for solar photovoltaic household application
B411056	Omkar prabhakar shinde			
B411017	Gaurav shivaji Jadhav			
B411055	Kedar laxman shedge			
B411066	Thomse Laxman Purushottam	G16	Prof. Vivek D. Bavdhane (8888758425)	Lora based renewable energy monitoring system
B411047	Pawar Siddhesh Pranay			
B411004	Bhosale Vaibhav Dadasaheb			
B411020	Jawalkar Ritesh Shivaji			
B411003	Bhamare Manish Sanjay	G17	Prof. Amruta Kapse (7030709914)	IoT based Home Automation System
B411011	Deshmukh Ashutosh Ashok			
B411041	Ovhal Rama Dilip			
B411041	Kamane Prathmesh D.			
B411026	Khandelwal Karankumar Kapoorchandji	G18	Prof. R. J. Patil (9511645877)	Robotic Live working for electric power line inspection

Project & Seminar Coordinator
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe, Pune - 411041

Head of Department
Department of Electrical Engineering
Zeal College of Engineering & Research
Narhe Pune - 411041



DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering & Research, Pune Narhe.

Pune-411041

CERTIFICATE

This is to certify that the project report entitled "Iot Based Transformer Monitoring System" submitted by Miss Pratiksha Patil , Najma Shaikh, Shrutika Shitole , Radhika Mithari is the bonafied record of work done by them under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. B. S. Kunure
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure
Project Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 21/05/2022

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled "GFM based Distribution Transformer monitoring system" submitted by Mr. Bade Aniket Sanjay, Mr. Chandugude Ranjeet Hanumant, Mr. Disle Hanuman Laxman, Mr. Gunjnale Mayur Kerba is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Kompe
30/5/22

Prof. Komal.S.Zope
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure
Project Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune

Ranjeet

Prof. R. N.Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled "BLDC Motor Application in Electrical Vehicle and the Innovation in Electrical Vehicle" submitted by Tanmay S. Urane, Digvijay T. Mate, Aniket B. Taware, Smita S. Rupnar is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. R. M. Zende
Guide
Department of Electrical
Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure
Project Coordinator
Department of Electrical
Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende
Head of Department
Department of Electrical
Engineering
Z.E.S. ZCOER, Pune

Place:

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled "Reactive Power Compensation" submitted by Harish Mali, Shruti Gorale, Prashik Kothawale, Rushikesh Chavan is the bonafide record of work done by him under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. Vishal Tathe

Project Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

Project Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R. M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING

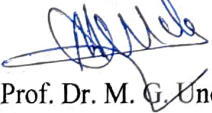



Zeal College of Engineering & Research, Pune


Narhe. Pune-411041

CERTIFICATE

This is to certify that the project report entitled "MULTILEVEL INVERTER (CASCADED H-BRIDGE)" submitted by Mr. KHAVALE SWAPNIL SANJAY, Mr. KULKARNI SHRIHARI PRASAD, Mr. MALUSARE NIRAJ ANIL, Mr. YELPALE ANUP LAXMAN is the bonafied record of work done by him under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. Dr. M. G. Unde
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. B. S. Kunure
Project Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled “Floating Solar With Dam Door Control” submitted by Shivanand Giri, Gouri Kumbhar, Ajinkya Penurkar, Kiran Shinde is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

K. Zope
30/5/22

Prof. Komal Zope

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

B. S. Kunure

Prof. B. S. Kunure

Project Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

R. M. Zende

Prof. R. M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering and Research

Narhe, Pune-411041

CERTIFICATE

This is to certify that the project report entitled “SIMULATION OF THREE PHASE INVERTER BASED ON SVPWM USING MATLAB - SIMULINK” submitted by Mr. Kadav Viraj Nandkumar, Reelkar Abhishek Santosh, Pawar Kunal Bhanudas, Shivatare Rushikesh Ashok is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


30.03.22

Prof. Chaitanya Deshpande

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune




Prof. B. S. Kunure

Project Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune



Prof. Ranjit Zende

Head of Department,

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 30.03.22

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled "Smart Card Based Lineman Safety" submitted by Vrushali Burele, Atharva Chikte, Aniket Patil, Karishma Patil is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. B. S. Kunure

Project Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

Project Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R. M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 28/05/2022

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled "Solar Powered Water Quality Monitoring System Using Sensors" submitted by Mr. Sagar Jadhav, Mr. Rahul nimbore, Mr. Vijay Khande, Mr. Krishna Bawache is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. J. A. Gurav

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

Project Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 30/05/2022

DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering & Research, Pune

Narhe, Pune-411041

CERTIFICATE

This is to certify that the project report entitled "Advanced Charging Stations for Electric Vehicles" submitted by Miss. Mrunali Ganpati Gavali, Mr. Padmaj Nagendra Kondekar, Mr. Sushant Dnyandev Kudale, Miss. Priyanka Ravsaheb Shinde is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. V. D. Bavdhane

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

Project Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. Ranjit M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled “DUAL AXIS SOLAR TRACKER SYSTEM” submitted by Mr. GOVIND BALAJI DARADE, SUJIT HANUMANT KADAM, SAGAR GOVIND TEMGIRE, MISS. PRATIMA ABHIMANYU SONPIR is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. J. A. GURAV

Project Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

Project Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R. M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 30 May 2022

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled "**ENERGY MANAGEMENT SYSTEM**" submitted by **Mr. AMEYA ARUN PAWAR, SHAILESH VIJAY SALUNKHE, VAIBHAV SATYAPREM TONDE, AMIT CHANDRAKANT YADAV** is the bonafide record of work done by him/her under my supervision, in partial fulfillment of the requirement for a Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

J.V. Raidu
Prof. J.V. Raidu

Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

for B.S. Kunure
Prof. B. S. Kunure

Project Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune

R.M. Zende
Prof. R. M. Zende

Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering & Research, Pune

Narhe, Pune-411041

CERTIFICATE

This is to certify that the project report entitled “Inverter Backup Indicator Using Arduino Nano” submitted by Mohoddin Kazi, Shweta Shedage, Payal Temghare, Sneha Vare is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. R. M. Zende

Guide

Department of
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

Project Coordinator

Department of
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende

Head of Department

Department of
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 28 - 05 - 2022

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled "Iot Based Smart Grid System Using Arduino" submitted by Mr. Vaibhav Sundar Jadhav, Mr. Mayur Anil Deo, Mr. Sahebalal Bandenavaj Manure, Miss. Supriya Madhav Madle is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. Chaitanya Deshpande
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure
Project Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. Ranjit M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering & Research, Pune

Narhe, Pune-411041

CERTIFICATE

This is to certify that the project report entitled “Modification Of One Inductor Push Pull Converter For Solar Photovoltaic Household Application” submitted by Mr. Raghendra Akhilesh Mishra, Mr. Gaurav Shivaji Jadhav, Mr. Omkar Prabhakar Shinde, Mr. Kedar Laxman Shedge is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. Vishal Tathe

Guide

Department of
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

Project Coordinator

Department of
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende

Head of Department

Department of
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 28/5/22

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled “ **Lora Based Renewable Energy Monitoring System**” submitted by “ **Laxman Thomse, Siddhesh Pawar, Vaibhav Bhosale, Ritesh Jawalkar** ” is the bonafied record of work done by him under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. Vivek D Bavdhane

Project Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

Project Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R. M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: ZCOER , Pune

Date: 30/ 05/ 2022

DEPARTMENT OF ELECTRICAL ENGINEERING




Zeal College of Engineering & Research, Pune

Narhe, Pune-411041

CERTIFICATE


This is to certify that the project report entitled "Iot Based Home Automation System" submitted by Mr. Manish Sanjay Bhamare, Mr. Ashutosh Ashok Deshmukh, Mr. Prathamesh Dayanand Kamane, Miss. Rama Dilip Ovhall is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.


Prof. B. G. Sherkhane

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune


Prof. B. S. Kunure

Project Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune


Prof. Ranjit M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

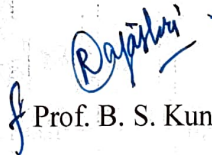
CERTIFICATE

This is to certify that the project report entitled "*Robotic Live-working for Electric Power Lines Inspection*" submitted by *Mr. Karankumar Khandelwal* is the bonafided record of work done by him under my supervision, in partial fulfillment of the requirement for Graduate degree course in *Electrical Engineering* from *Zeal College of Engineering & Research, Narhe, Pune* for the academic year of 2021-22.


30/05/22

Prof. Rajashri Patil

Guide
Electrical Engineering
Z.E.S. ZCOER, Pune



Prof. B. S. Kunure



Seminar Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune



Prof. Ranjit Zende

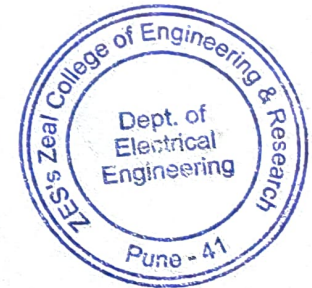
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune
Date:30/05/2022

	ZEAL EDUCATION SOCIETY'S	
	ZEAL COLLEGE OF ENGINEERING AND RESEARCH	
	NARHE PUNE -41 INDIA	

ME ELECTRICAL POWER SYSTEM PROJECT SUMMARY

Roll No.	Name of Student	Group No.	Name of Guide	Title of Project
SME1111001	BABAR PRASAD VASANT	1	Dr.M.G.Unde	The design & analysis of hybrid energy storage system (HESS) for electric vehicles(EV)
SME1111003	DHANE MUKUND JAYRAM	2	Dr.M.G.Unde	PLC based slip ring induction motor starting and protection
SME1111007	KAWADGAVE DNYANESHWAR ANKUSHRAO	3	Dr.M.G.Unde	Designing and optimization of renewable hubrid energy system for rural INDIA-feasibility study
SME1111008	KUMBAR PRAKASH MAHADEV	4	Prof. A.S.Patil	High power transfer pick up for On-line Electric vehicles (OLEV)
SME1111009	LOKHANDE RATNMALA PANDIT	5	Prof. V.D.Bavdhane	Simulation of dust effect on solar tree and smart cleaning for enhancing efficiency
SME1111010	MAKHARE DARYARAJ SADHU	6	Prof.R.J.Patil	An IoT base power Antitheft system for governing of energy meters
SME1111012	PAWAR MAHESH RAJU	7	Dr.M.G.Unde	Power quality enhancing in utility with solar photovoltaic renewable energy penetration using active power filter
SME1111013	PILLEWAR PRIYANKA RAJESHWAR	8	Dr.M.G.Unde	An implementation of Solar PV array based Multifunctional EV charger.
SME1111014	POWAR RAHUL YASHWANT	9	Prof. A.S.Patil	Solar powered outdoor air purifier with air quality monitor
SME1111015	POWAR VAISHALI YASHWANT	10	Prof. A.S.Patil	ON board fast charger for electrical vehicle using dual inverter
SME1111016	SHIRSAT KARUNA SUNIL	11	Prof.R.J.Patil	Current controlled charging scheme for OFF board electric vehicle batteries from soalr PV array
SME1111017	SONDKAR SMITA SAHADEV	12	Prof. A.S.Patil	Dual fast EV battery charger with PID control action



Raj
Project & Seminar Coordinator
 Department of Electrical Engineering
 Zeal College of Engineering & Research
 Narhe, Pune - 411041

P.G.
P. G. Coordinator
 Dept. of Electrical Engineering
 ZES's Zeal College
 of Engineering & Research

Doyle
Head of Department
 Department of Electrical Engineering
 Zeal College of Engineering & Research
 Narhe, Pune - 411041

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project stage I report entitled "The Design & Analysis of Hybrid Energy Storage System (HESS) for Electric Vehicles (EV)" submitted by Mr. Prasad Vasant Babar is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. Dr. M.G Unde

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

P G Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R.M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the Project stage II report entitled "PLC BASED SLIP RING INDUCTION MOTOR STARTING AND PROTECTION" submitted by Mr. Mukund J Dhane is the bonafied record of work done by him under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of

2021- 2022

Prof. Dr.M G Unde
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure
PG Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 12/07/2022

Zeal College of Engineering and Research,
Pune



CERTIFICATE

This is to certify that the Project stage II report entitled “**Designing and Optimization of Renewable Hybrid Energy System for Rural India - Feasibility Study**” submitted by **Mr. Dnyaneshwar Ankushrao Kawadgave** is the bonafied record of work done by him under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021 – 2022.

Prof. Dr. M. G. Unde
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure
PG Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune
Date: 08/08/2022

12/8/22
Dr. Unde M G
In-charge Examiner

External Examiner
R. J. Patil

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

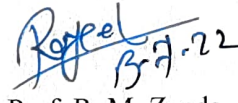
This is to certify that the project report entitled "High Power Transfer Pickup for On-line Electric Vehicle" submitted by Mr Kumbhar Prakash Mahadev is the bonafied record of work done by him under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021- 2022


Prof. A. S. Patil

Guide
Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. B. S. Kunure

PG Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune


Prof. R. M. Zende

Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project stage II report entitled "Simulation of dust effect on solar tree and smart Cleaning for enhancing efficiency" submitted by Ms. Ratnmala Pandit Lokhande is the bonafied record of work done by her under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. V. D. Bavdhane
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure
P G Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

Place: Pune

Date: 14/5/2022

DEPARTMENT OF ELECTRICAL ENGINEERING



Zeal College of Engineering & Research, Pune

Narhe. Pune-411041

CERTIFICATE

This is to certify that the project stage II report entitled “

“An IoT-Based Power Antitheft System for Governing of Energy meters” submitted by Mr.Makhare Daryaraj Sadhu is the bonafied record of work done by he under my supervision, in partial fulfilment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021 – 2022

Prof. Mrs.R.J.Patil
Guide
Electrical Engineering Dept.
Z COER, Pune

Prof .B. S. Kanure
P. G. Coordinator
Electrical Engineering Dept.
ZCOER, Pune

Prof. R. M. Zende
Head of The Dept.
Electrical Engineering Dept
ZCOER, Pune

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the Project stage II report entitled "POWER QUALITY ENHANCEMENT IN UTILITY WITH SOLAR PHOTOVOLTAIC RENEWABLE ENERGY PENETRATION USING ACTIVE POWER FILTER" submitted by Mr. Mahesh R Pawar is the bonafied record of work done by him under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021 – 2022.

Prof. Dr. M. G. Unde

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

PG Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R. M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: / /2022

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project report entitled "An Implementation of Solar PV Array Based Multifunctional Electrical Vehicle charger" submitted by Miss Pillewar Priyanka Rajeshwar is the bonafied record of work done by her under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021- 2022

Prof. Dr. M. G. Unde
Guide
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. B. S. Kunure
PG Coordinator
Electrical Engineering
Z.E.S. ZCOER, Pune

Prof. R. M. Zende
Head of Department
Electrical Engineering
Z.E.S. ZCOER, Pune

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project stage I report entitled "Solar Powered Outdoor Air Purifier With Air Quality Monitor" submitted by Mr. Rahul Yashwant Powar is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. A.S. Patil

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

P G Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R.M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project stage I report entitled **“On Board Fast Charger For Electrical Vehicle Using Dual Inverter”** submitted by Miss. **Vaishali Yashwant Powar** is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. A.S.Patil

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

P G Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R.M.Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project I report entitled 'Current Controlled Charging Scheme for off Board Electric vehicle Batteries from Solar PV Array' submitted by is the bonafied record of work done by him under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021- 2022

Prof. R.J.Patil

Guide

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

PG Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. R.M. Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date:

DEPARTMENT OF ELECTRICAL ENGINEERING



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

CERTIFICATE

This is to certify that the project stage II report entitled "Dual fast EV battery charger with PID control Action" submitted by Ms. Smita Sahadev Sondkar is the bonafied record of work done by him/her under my supervision, in partial fulfillment of the requirement for Post Graduate degree course in Electrical Engineering from Zeal College of Engineering & Research, Narhe, Pune for the academic year of 2021-22.

Prof. A. S. Patil

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Z.E.S. ZCOER, Pune

Prof. B. S. Kunure

P G Coordinator

Electrical Engineering

Z.E.S. ZCOER, Pune

Prof. Ranjit Zende

Head of Department

Electrical Engineering

Z.E.S. ZCOER, Pune

Place: Pune

Date: 14/07/2022