



ACAD-DI-24B	List of Guide Allocation	Academic Year: 2023-24
Rev: 00		Semester: ODD
Date: 11-7-2022		

SUBJECT: MINI PROJECT 2A

SEM: III

DATE: 8/8/23

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
13	Tambade Apurva Sunil	Tambadeapurva106@gmail.com	9370776182	Motion Sensor Light switch using CD4017IR Sensor	Prof. Nisha Shelar
2	Ahirrao Sakshi Bapu	Sakshia5530@gmail.com	8857874086		
1	Ahire Vanshri Vitthal	Vanshreachire123@gmail.com	9322968161	Five channel IR remote control system using microcontroller	Prof. Sumit Kumar
3	Daware Vishal Tanhaji	dawarevishal181@gmail.com	8767740612		
14	Udawanant Arya Atul	Aaryaudawanant1216@gmail.com	8767861719		
11	Pawar Payal Sunil	Pawarpayal8087@gmail.com	9421357743	Smartphone control RGB scrolling text display	Prof. Deepak Baviskar
8	Ogale Shrivani Santosh	Shrivani004ogale@gmail.com	9373700838		
9	Pagdhare Mili Gajanan	Milipagdhare79@gmail.com	9226161469	Smartphone control RGB scrolling text display	Prof. Deepak Baviskar
10	Palav Yashwant Jayprakash	Yaqshpalav0@gmail.com	9145176045		
5	Kishor Balu Sakthare	Sb.kishor18@gmail.com	8652346146		
6	More Uday Santosh	Udaymore2872@gmail.com	9167786888	Smartphone control RGB scrolling text display	Prof. Deepak Baviskar
7	Nikam Shubham Suresh	Shubhamnikam835@gmail.com	7666464670		





!!Sabka Malik Atma!!
Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Electronics & Telecommunication Engineering

15	Verna Pankaj Dashrath	Vernapankaj566@gmail.com	8591951241	Motion sensor based system	Prof. Deepak Baviskar
16	Vishwakarma Jaikishan Rajesh	Kisanvishwakarma578@gmail.com	8591951236		
4	Khair Ruitik Pandurang	Ruitik.khair29@gmail.com	8779240129	PCB design & optimization	Prof. Nisha Shelar
12	Shinde Devendra Narayan	Devendrashinde16@gmail.com	8484840827		
17	Shrungarpure Madhura Prashant	Shrungarpuremadhura01@gmail.com	9819028466		
19	Kale Vairagya	Vairagyakale45@gmail.com	8767240487		
20	Jaiswar Vikas	jaiswarvikas@gmail.com	9082060833		

Pratik
Project Coordinator

Kumar
Head of the Department

MINI PROJECT REPORT

On

“Motion Light Sensor using CD4017 and IR Sensor”

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

ELECTRONICS & TELECOMMUNICATION ENGINEERING

At

Atma Malik Institute of Technology & Research, Aghai



Submitted to

University of Mumbai, Mumbai

GUIDE NAME

(Prof. Nisha Shelar)

Submitted by

- 1) **Apurva Sunil Tamabade**
- 2) **Sakshi Babu Ahirrao**
- 3) **Vanshree Vitthal Ahire**
- 4) **Vishal Tanhaji Daware**

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING

2023-24

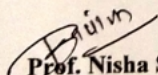
ATMA MALIK INSTITUTE OF TECHNOLOGY
& RESEARCH, AGHAI

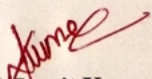
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING

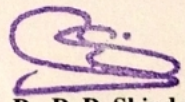


CERTIFICATE


This is to certify that, "**Apurva Tambade, Sakshi Ahirrao, Vanshree Ahire, Vishal Daware**" have submitted a report on the basis of the project work on "**Motion Light Sensor using CD4017 and IR Sensor**" of the subject Mini Project IA, Sem 3 as prescribed by the University of Mumbai in the college during the academic year **2023-24**.


Prof. Nisha Shelar
(Project Guide)


Prof. Sumit Kumar
(HOD-EXTC)


Dr. D. D. Shinde
(Principal)




External Examin



ACAD-DI-24B	List of Guide Allocation	Academic Year: 2023-24
Rev: 00		Semester: ODD
Date: 11-7-2022		

SUBJECT: MINI PROJECT 2A

SEM: III

DATE: 8/8/23

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
13	Tambade Apurva Sunil	Tambadeapurva106@gmail.com	9370776182	Motion Sensor Light switch using CD4017IR Sensor	Prof. Nisha Shelar
2	Ahirao Sakshi Bapu	Sakshia5530@gmail.com	8857874086		
1	Ahire Vanshri Vitthal	Vanshreeahire123@gmail.com	9322968161	Five channel IR remote control system using microcontroller	Prof. Sumit Kumar
3	Daware Vishal Tamhaji	dawarevishal181@gmail.com	8767740612		
14	Udavant Aarya Atul	Aaryaudavant1216@gmail.com	8767861719		
11	Pawar Payal Sunil	Pawarpayal8087@gmail.com	9421357743		
8	Ogale Shravani Santosh	Shravani004ogale@gmail.com	9373700838	Smartphone control RGB scrolling text display	Prof. Deepak Baviskar
9	Pagdhare Mili Gajanan	Milipagdhare79@gmail.com	9226161469		
10	Palav Yashwant Jayprakash	Yaqshpalav0@gmail.com	9145176045		
5	Kishor Balu Sakhare	Sb.kishor18@gmail.com	8652346146		
6	More Uday Santosh	Udaymore2872@gmail.com	9167786888		
7	Nikam Shubham Suresh	Shubhamnikam835@gmail.com	7666464670		





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Vishwatomak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Electronics & Telecommunication Engineering

15	Verma Pankaj Dashrath	Vermapankaj566@gmail.com	8591951241	Motion sensor based system	Prof. Deepak Baviskar
16	Vishwakarma Jaikishan Rajesh	Kisanvishwakarma578@gmail.com	8591951236		
4	Khair Rutik Pandurang	Rutik.khair29@gmail.com	8779240129		
12	Shinde Devendra Narayan	Devendrashinde16@gmail.com	8484840827		
17	Shrungarpure Madhura Prashant	Shrungarpuremadhura01@gmail.com	9819028466		
19	Kale Vairagya	Vairagvyakale45@gmail.com	8767240487		
20	Jaiswar Vikas	jaiswarvikas@gmail.com	9082060833		
				PCB design & optimization	Prof. Nisha Shelar

Devi m
Project Coordinator

Kamla
Head of the Department

MINI PROJECT REPORT
On
**“5 CHANNEL IR REMOTE CONTROL USING
MICROCONTROLLER”**

Submitted in the partial fulfillment for the award of Bachelor of Engineering in
ELECTRONICS & TELECOMMUNICATION ENGINEERING

At
Atma Malik Institute of Technology & Research, Aghai



Submitted to
University of Mumbai, Mumbai

NISHA SHELARE
(Project Guide)

Submitted by
MILI PAGDHARE
SHRAVANI OGALE
PAYAL PAWAR
AARYA UDAWANT

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING**

2023-24


**ATMA MALIK INSTITUTE OF TECHNOLOGY &
RESEARCH, AGHAI**

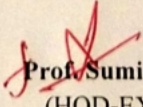
**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING**

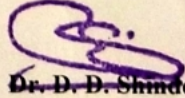


CERTIFICATE

This is to certify that, “MILI PAGDHARE, SHRAVANI OGALE, PAYAL PAWAR, AARYA UDAWANT have submitted a report on the basis of the project work on “5 CHANNEL IR REMOTE CONTROL USING MICROCONTROLLER” of the subject Mini Project 2A, Sem V as prescribed by the University of Mumbai in the college during the academic year 2022-23.


Nisha Shelare
NAME
(Project Guide)


Prof. Sumit Kumar
(HOD-EXTC)


Dr. D. D. Shinde
(Principal)





ACAD-DI-24B	List of Guide Allocation	Academic Year: 2023-24
Rev: 00		Semester: ODD
Date: 11-7-2022		

SUBJECT: MINI PROJECT 2A

SEM: III

DATE: 8/8/25

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
13	Tambade Apurva Sunil	Tambadeapurva106@gmail.com	9370776182	Motion Sensor Light switch using CD4017IR Sensor	Prof. Nisha Shelar
2	Ahirrao Sakshi Bapu	Sakshia5530@gmail.com	8857874086		
1	Ahire Vanshri Vitthal	Vanshreeahire123@gmail.com	9322968161	Five channel IR remote control system using microcontroller	Prof. Sumit Kumar
3	Daware Vishal Tanhaji	dawarevishal181@gmail.com	8767740612		
14	Udavant Aarya Atul	Aaryaudavant1216@gmail.com	8767861719		
11	Pawar Payal Sunil	Pawarpayal8087@gmail.com	9421357743		
8	Ogale Shravani Santosh	Shravani004ogale@gmail.com	9373700838		
9	Pagdhare Mili Gajanan	Milipagdhare79@gmail.com	9226161469	Smartphone control RGB scrolling text display	Prof. Deepak Baviskar
10	Palav Yashwant Jayprakash	Yaqshpalav0@gmail.com	9145176045		
5	Kishor Balu Sakhare	Sb.kishor18@gmail.com	8652346146		
6	More Uday Santosh	Udaymore2872@gmail.com	9167786888		
7	Nikam Shubham Suresh	Shubhamniam835@gmail.com	7666464670		





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Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Electronics & Telecommunication Engineering

15	Verma Pankaj Dashrath	Vermapankaj566@gmail.com	8591951241	Motion sensor based system	Prof. Deepak Baviskar
16	Vishwakarma Jaikishan Rajesh	Kisanvishwakarma578@gmail.com	8591951236		
4	Khair Ruitik Pandurang	Ruitik.khair29@gmail.com	8779240129		
12	Shinde Devendra Narayan	Devendrashinde16@gmail.com	8484840827		
17	Shrungarpure Madhura Prashant	Shrungarpuremadhura01@gmail.com	9819028466		
19	Kale Vairagya	Vairagyakale45@gmail.com	8767240487		
20	Jaiswar Vikas	jaiswarvikas@gmail.com	9082060833		

P. N. S.
Project Coordinator

K. N. S.
Head of the Department

MINI PROJECT REPORT

On

“SMARTPHONE CONTROL RGB SCROLLING TEXT DISPLAY”

Submitted in the partial fulfillment for the award of Bachelor of Engineering in
ELECTRONICS & TELECOMMUNICATION ENGINEERING

At

Atma Malik Institute of Technology & Research, Aghai



Submitted to

University of Mumbai, Mumbai

Prof. Deepak Baviskar

(Project Guide)

Submitted by

Yashwant Palav.

Kishore Sakhare.

Uday More.

Shubham Nikam.

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING**

2023-24


ATMA MALIK INSTITUTE OF TECHNOLOGY & RESEARCH, AGHAI

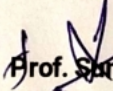
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

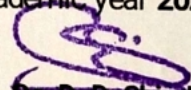


CERTIFICATE

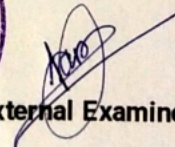
This is to certify that, **Yashwant Palav., Kishore Sakhare., Uday More, Shubham Nikam.** have submitted a report on the basis of the project work on **"PROJECT TITLE"** of the subject Mini Project 1A, Sem III as prescribed by the University of Mumbai in the college during the academic year **2023-24.**


Prof. Deepak Baviska
(Project Guide)


Prof. Sumit Kumar
(HOD-EXTC)


Dr. D. D. Shinde
(Principal)




External Examiner



ACAD-DI-24B	List of Guide Allocation	Academic Year: 2023-24
Rev: 00		Semester: ODD
Date: 11-7-2022		

SUBJECT: MINI PROJECT 2A

SEM: III

DATE: 8/8/25

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
13	Tambade Apurva Sunil	Tambadeapurva106@gmail.com	9370776182	Motion Sensor Light switch using CD4017IR Sensor	Prof. Nisha Shelar
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1	Ahire Vanshri Vitthal	Vanshreeahire123@gmail.com	9322968161	Five channel IR remote control system using microcontroller	Prof. Sumit Kumar
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11	Pawar Payal Sunil	Pawarpayal8087@gmail.com	9421357743		
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9	Pagdhare Mili Gajanan	Milipagdhare79@gmail.com	9226161469	Smartphone control RGB scrolling text display	Prof. Deepak Baviskar
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7	Nikam Shubham Suresh	Shubhamnikam835@gmail.com	7666464670		





!!Sabka Malik Atma!!
Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Electronics & Telecommunication Engineering

15	Verma Pankaj Dashrath	Vernapankaj566@gmail.com	8591951241	Motion sensor based system	Prof. Deepak Baviskar
16	Vishwakarma Jaikishan Rajesh	Kisanvishwakarma578@gmail.com	8591951236		
4	Khair Rutik Pandurang	Rutik.khair29@gmail.com	8779240129		
12	Shinde Devendra Narayan	Devendrashinde16@gmail.com	8484840827		
17	Shrungarpure Madhura Prashant	Shrugrarpuremadhura01@gmail.com	9819028466		
19	Kale Vairagya	Vairagyakale45@gmail.com	8767240487		
20	Jaiswar Vikas	jaiswarvikas@gmail.com	9082060833		

Pravin
Project Coordinator

Kumar
Head of the Department

MINI PROJECT REPORT
On
“MOTION BASED SENSOR”
SECURITY SYSTEM

Submitted in the partial fulfillment for the award of Bachelor of Engineering in
ELECTRONICS & TELECOMMUNICATION ENGINEERING

At
Atma Malik Institute of Technology & Research, Aghai



Submitted to
University of Mumbai, Mumbai

GUIDE NAME
(Prof. Deepak Baviskar)

Submitted by
Mr. Rutik Khair
Mr. Devendra Shinde
Mr. Jaikishan Vishwakarma
Mr. Pankaj Verma

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING

2023-24


**ATMA MALIK INSTITUTE OF TECHNOLOGY
& RESEARCH, AGHAI**

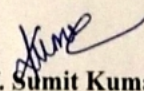
**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
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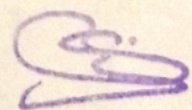


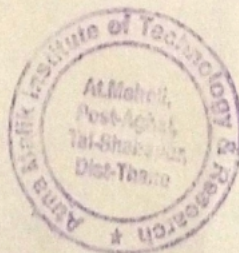
CERTIFICATE

This is to certify that, “**Mr. Rutik Khair, Mr. Devendra Shinde, Mr. Jaikishan Vishwakarma, Mr. Pankaj Verma**” have submitted a report on the basis of the project work on “**MOTION BASED SENSOR-SECURITY SYSTEM**” of the subject Mini Project 2A, Sem V as prescribed by the University of Mumbai in the college during the academic year **2022-23**.


Prof. Deepak Baviskar
(Project Guide)


Prof. Sumit Kumar
(HOD-EXTC)


Dr. D. D. Shinde
(Principal)



Vishwatmak Jangli Maharaj Ashrafi Trust's
Atma Malik Institute of Technology & Research (AMRIT)
 Department of Civil Engineering



ACAD-DI-24B	List of Guide Allocation	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Class: SE

Date: 26/09/2023

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
1	BHOIR PRATIK SANJAY	Pratikbhoir742@gmail.com	9226898497	Study of Traffic management Techniques	Prof. Shailesh Pagar
2	SAKHARE DHARMESH SANJIV		9673721087		
3	PATIL ANIKET PRABHAKAR	Patilaniket61826@gmail.com	7666812681		
6	Nirgude Yogesh Chandar	Yogeshnirgude56@gmail.com	8767305212		
4	PATIL SHAILESH SANJAY	Shaileshspatil24@gmail.com	9322845465		
5	BHOYE VISHAL NARAYAN	Bhoyevishal1425@gmail.com	9373407230	Fly ash as a replacing material in Construction	Prof Soniya Kadam
7	Karan Uttam Vishe	karanvishe2707@gmail.com	7263959606		
8	Rahul Jayram Bhoys	rahulbhoys085@gmail.com	7498610726		

hmv
 Project Coordinator

hmv
 Head of the Department



ACAD-DI-24B	List of Guide Allocation	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Class- TE
Date: 23/08/2023

Sr. No	Names of the student	Email ID	Contact No	Project Title	Guide
1.	BHOIR PRIYANKA VINOD	Priyankabhoiru1112@gmail.com	8607476715	Use of Bamboo as a Reinforcement in a Structural Element	Prof. Pravin Thorat
2.	MADNI ABDULKADIR DURAJ	abdulkadirmadhi@gmail.com	9168885141		
3.	TAYDE POONAM SAHEBRAO	poonam 29 Thorat@gmail.com	70582285423		
4.	JADHAV SURAJ ASHOK	Surajjadhav 2023@gmail.com	9847798052	Partial use of waste glass Traffic management using IOF as a coarse aggregate in concrete	Prof. Soniya Kadam
5.	BONDRE MAHESH JAGANNATH	maheshj bondre 535@gmail.com	7775889855		
6.	DALVI OMKAR RAVINDRA	omkar.dalvi 13@gmail.com	7305090974		
7.	AVHAD ATHARVA ANIL	atharvavhad 38@gmail.com	9359427156		
8.	JAVHERI CHETAN	chetanjavheri1@gmail.com	9284541219		
9.	DOKE PRATIK RAMU	dokopratik 023@gmail.com	7408884324	Stabilization Of Soil using granite Powder and marble	Prof. Jadhav
10.	MADHAVI DIYA VITTHAL	diyamadHAVI@gmail.com	7198196645		

Vishwatmak Jangli Maharaj Ashraam Trust's
Atma Malik Institute of Technology & Research (AMRIT)
 Department of Civil Engineering



			Dust.	Nivruti
11.	PATIL LEENA BHAI	lenapatil395@gmail.com	9964109434	Prof Santosh Ghule
12.	PATIL SHIVANI KUNDAN	shivani_kpatil18@gmail.com	9129628669	
13.	SHELVALE VIJAY VASANT	shelvaulevijay@gmail.com	8524472416	
14.	GUNTHALE ANIL SHIVAJI	anilgunthale222@gmail.com	9987603577	
15.	WADILE CHETAN RAMESH	cwadile@gmail.com	8830196479	

Project Co-ordinator



HOD Civil



II SAB KA MALIK ATMA II
Vishwatmak Jangli Maharaj Ashra- Frust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Civil Engineering

ACAD-DI-24B	Academic Year: 2023-24
Rev : 00	Semester: ODD
Date: 11-7-2022	

List of Guide Allocation

CLASS- BE

Date: 23/08/2023

Sr. No	Names of the student	Email ID	Contact No	Project Title	Guide
1	ACHAREKAR TANVI SANTOSH	achrekarTanvi.civilvogce.2021@gmail.com	8208050911		
2	AKOLKAR GAURI SHAMSUNDAR	Akolkargauri.civilvogce.2021@gmail.com	7777052416		
3	BHAGAT SMITA SUKHADEV	bhagatsmita.civilvogce.2021@gmail.com	70393553128	Design Estimation of Cooling Tower.	Prof. Shanleesh Pagar
4	CHAUDHARY GANESH BALKRUSHNA	chaudharyganesh.civilvogce.2021@gmail.com	9702377004		
5	BHOIR BHAVIKA SANJAY	bhoirbhavika1234@gmail.com	9021305810		
6	JADHAV POOJA ASHOK	Poojaparth1317@gmail.com	7709070190		
7	JADHAV NITESH MARUTI	Jadhavnitesh.civilvogce.2021@gmail.com	9130409377	Use of Plastic Waste as an Aggregate in Concrete	Prof. Pravim Thorat
8	THAKARE DIPESH DATTATRAY	dipeshthakare9500@gmail.com	72761764404		
9	PATIL SANKET MOTIRAM	patilsnaket.civilvogce.2021@gmail.com	9579297914		
10	SONAR RUCHITA GOVARDHAN	Sonarruchita.civilvogce.2021@gmail.com	8208499287	Study Of Behavior Of steel fiber reinforced Concrete in deep Beam for Flexure.	Prof. Soniya Kadam
11	GAIKWAD KARAN MADHUKAR	gaikwadkaran.civilvogce.2021@gmail.com	9766329415		
12	JETHE AVINASH BALKRUSHNA	avinashjeth8@gmail.com	8806001997		
13	FASALE JAYESH RAVINDRA	Jayeshfasale121@gmail.com	8317209468	Partially Replacement of Fine Aggregate with copper slag and cement	Prof. Santosh Ghule
14	GOND SHUBHAM	SK7671902@gmail.com	9076852680		



Vishwatmak Jangli Maharaj Ashra
Atma Malik Institute of Technology & Research (AMRIT)
Department of Civil Engineering

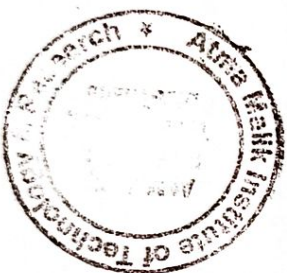
!! SAB KA MALIK ATMA !!

15	THAKARE SAGAR SHRIDHAR	Sagarthakare9497@gmail.com	9923667242	with Fly Ash	
16	CHAUDHARI AMIT PRAKASH	omifc1346@gmail.com	7798803294		
17	TELVARE NIKITA HALYA	Telivarenikita.civilvogce@gmail.com	97648912017	Experimental Study on Concrete Mixed with Coconut shell Husk as Partial Replacement Of Fine Aggregate	Prof. Santosh Ghule
18	GAIKWAD AAKANSHA KIRAN	akugaikwad@gmail.com	9075398750		
19	PADGHA MEGHA DILIP	Meghapadgha599@gmail.com	9325549157		
20	RALE AAKASH SANJAY	raleaakash@gmail.com	8104391548		
21	GANGURDE NILESH DILIP	gangurde.nilesh28@gmail.com	8087454326	Formation of Bio Energy by Food Waste	Prof. Mamoj Kumar Ghongade
22	PAWAR SHUBHAM SUNIL	Spawar.vogce@gmail.com			
23	GAYEN BIKRAM AMIT	bikramgayen21@gmail.com	8408839432		
24	THAPAD CHANDAN BABAJI	chandanthapad.civil.vogce.201@gmail.com	8308020885		
25	BHOYE SHUBHAM RAJARAM	Shubhambhoys2013@gmail.com	81607063296		
26	CHAUDHARY ARVIND INDRAJIT	Vogce.arvindchaudharyids@gmail.com	7558215232	Ground Improvement using Stone Column	Prof. Nivrutti Jadhav.
27	JADHAV MANTHAN MORESHWAR	manthanjadhav443@gmail.com	9545055985		
28	JADHAV AMOL ATMARAM	amoljadhav20@gmail.com	9359144203		
29	JADHAV SANSKAR RAMCHANDRA	sanskarj214@gmail.com	8421116669		
30	PATIL SACHIN SHANTARAM	patilsachin93@gmail.com	8356916685		
31	SHELAR SHUBHAM RAMESH	shelarsshubham595@gmail.com	982330910	Study and Analyzing Low Cost Housing.	Prof. Soniya Kadam
32	JADHAV MOHAK ANIL	jadhavmohaks9212@gmail.com	90153362		
33	JADHAV PRANAV RAJESH	Pranavjadhav25@gmail.com	8698331967	Techniques of Soil Stabilization to prevent Landslides	Prof. Nivrutti Jadhav
34	JADHAV YASH JAGDISH	yashjadhav572@gmail.com	8484843108		



35	KHARATMOL VINAYAK VAJINATH	vinayakkharatmol112@gmail.com	8850862537	Soil Stabilization of black Cotton Soil by using Marble Dust and Granite Powder	Prof. Santosh Ghule
36	KAMBALE URMILA RAVINDRA	urmita kambaleurmita23@gmail.com	9594670916		
37	NIMSE SRUSHTI SHAILESH	srushinimse2@gmail.com	9110882666		
38	KIRPAN TEJAS RAVINDRA	tejukirpan7905@gmail.com	9527796089		
39	AUTADE SUDHIR BAJRAO	sudhirautade5@gmail.com	9863888648		
40	JADHAV BHARATI MADHUKAR	jadhavbharahti@gmail.com	8898155894	Use Of Solar Panel on the road use the available space and produce Solar Energy	Prof. Manojkumar Ghongade
41	PATIL KALYANI BHARAT	kalyanipati@gmail.com	9579670144		
42	MUNDE PRADEEP YASHWANT	Pradeepmunde515@gmail.com	9604555178		
43	BHOIR DHANASHREE PRAMOD	bhoirdhanu20@gmail.com	8329159665		
44	PATIL CHIRAG SUDHIR	chiragpatil5828@gmail.com	7776999954	Self-Compacted Concrete	Prof. Soniya Kadam
45	MISAL PRIYANKA SANTOSH	priyansid09@gmail.com	9764785917		
46	MITHBAVKAR VIHAR SATISH	mthbavkarvihar@gmail.com	7974525193		

Project Coordinator



Head of the Department

A
MINI PROJECT-1A REPORT
ON

“Fly Ash As a Replacing Material In Construction”.
Submitted in partial fulfillment of the requirements of curriculum of

SE CIVIL ENGINEERING

Conferred by

UNIVERSITY OF MUMBAI

SUBMITTED BY

Mr. SHAILESH SANJAY PATIL [04]

Mr. KARAN UTTAM VISHE [11]

Mr. VISHAL NARAYAN BHOYE [05]

Mr. RAHUL JAYRAM BHOYE [08]

GUIDED BY

Prof. SONIYA KADAM



DEPARTMENT OF CIVIL ENGINEERING
ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH, MUMBAI
UNIVERSITY (2023-24) AT MOHILI, POST AGHAI, DIST-THANE 2023-2024

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH,
MUMBAI UNIVERSITY (2023-24)

AT MOHILI, POST AGHAI, DIST-THANE 2023-2024

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the Project Report titled “Fly Ash As a Replacing Material In Construction” is bonafide work of;

Mr. SHAILESH SANJAY PATIL [04]

Mr. KARAN UTTAM VISHE [11]

Mr. VISHAL NARAYAN BHOYE [05]

Mr. RAHUL JAYRAM BHOYE [08]

Has successfully completed in a satisfactory manner in a partial fulfilment of requirements for award of Degree in Civil Engineering conferred by the Maharashtra State Board of Technical Education.

Prof. SONIYA KADAM
(Project Guide)

Prof. S.J. PAGAR
(HOD, Civil Engineering Degree)



Dr. D.D. SHINDE
(Principal, AMRIT)

A
MINI PROJECT-1A REPORT
ON
“Self-Compacting Concrete (SCC): A Comprehensive Study”.
Submitted in partial fulfillment of the requirements of curriculum of

SE CIVIL ENGINEERING

Conferred by

UNIVERSITY OF MUMBAI

SUBMITTED BY

Mr. VISHAL SANJAY BHOYE [09]

Mr. NITIN GANGARAM GURKHE [11]

Mr. RAMHARI SHANKAR BELDAR [10]

GUIDED BY

Prof. SONIYA KADAM



**DEPARTMENT OF CIVIL ENGINEERING
ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH, MUMBAI
UNIVERSITY (2023-24)**

AT MOHILI, POST AGHAI, DIST-THANE 2023-2024

**ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH,
MUMBAI UNIVERSITY (2023-24)**

AT MOHILI, POST AGHAI, DIST-THANE 2023-2024

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the Project Report titled “Self-Compacting Concrete (SCC): A Comprehensive Study” is bonafide work of;

Mr. VISHAL SANJAY BHOYE [09]

Mr. NITIN GANGARAM GURKHE [11]

Mr. RAMHARI SHANKAR BELDAR [10]

Has successfully completed in a satisfactory manner in a partial fulfilment of requirements for award of Degree in Civil Engineering conferred by the Maharashtra State Board of Technical Education.

Prof. SONIYA KADAM
(Project Guide)

Prof. S.J. PAGAR

(HOD, Civil Engineering Degree)

Dr. D.D. SHINDE

(Principal, AMRIT)



A
MINI PROJECT-2A REPORT
ON

“Use of bamboo as reinforcement in structural elements”.

Submitted in partial fulfillment of the requirements of curriculum of

TE CIVIL ENGINEERING

Conferred by

UNIVERSITY OF MUMBAI

SUBMITTED BY

Ms. PRIYANKA V. BHOIR	[01]
Mr. SURAJ A. JADHAV	[02]
Mr. ABDULKADIR D. MADNI	[10] [02]
Ms. POONAM S. TAYDE	[03]

GUIDED BY

Prof. PRAVIN. M. THORAT



DEPARTMENT OF CIVIL ENGINEERING
ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH,
MUMBAI UNIVERSITY (2022-23)

AT MOHILI, POST AGHAI, DIST-THANE 2022-2023

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH,
MUMBAI UNIVERSITY (2022-23)

AT MOHILI, POST AGHAI, DIST-THANE 2022-2023

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the Project Report titled **“Use of bamboo as reinforcement in structural element”** is bonafide work of;

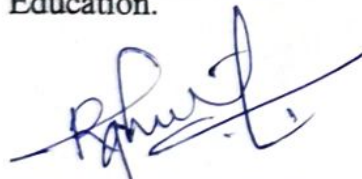
Ms. PRIYANKA V. BHOIR [01]

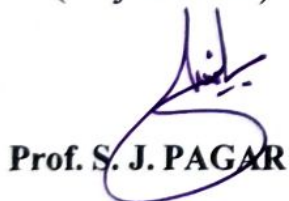
Mr. SURAJ A. JADHAV [04]

Mr. ABDULKADIR D. MADNI [02]

Ms. POONAM S. TAYDE [03]

Has successfully completed in a satisfactory manner in a partial fulfilment of requirements for award of Degree in Civil Engineering conferred by the Maharashtra State Board of Technical Education.


Prof. P M. THORAT
(Project Guide)


Prof. S. J. PAGAR

(HOD, Civil Engineering Degree)





Dr. D.D. SHINDE

(Principal, AMRIT)

A
MINI PROJECT-1A REPORT
ON
“PARTIAL USE OF WASTE GLASS AS A COARSE
AGGREGATE IN CONCRETE”

Submitted in partial fulfillment of the requirements of curriculum of

TE CIVIL ENGINEERING

Conferred by

UNIVERSITY OF MUMBAI

SUBMITTED BY

Mr. MAHESH BONDRE [02] [05]

Mr. OMKAR DALVI [03] [06]

Mr. ATHARV AVHAD [15] [07]

Mr. CHETAN JAVHERI [16] [08]

GUIDED BY

PROF. SONIYA KADAM



DEPARTMENT OF CIVIL ENGINEERING
ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH,
MUMBAI UNIVERSITY (2023-24)

AT MOHILI, POST AGHAI, DIST-THANE 2023-2024

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH,
MUMBAI UNIVERSITY (2023-24)
AT MOHILI, POST AGHAI, DIST-THANE 2023-2024
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the Project Report titled "PARTIAL USE OF WASTE GLASS AS A COARSE AGGREGATE IN CONCRETE" is bonafide work of;

Mr. MAHESH J. BONDRE [02] [05]

Mr. OMKAR R. DALVI [03] [06]

Mr. ATHARV A. AVHAD [15] [07]

Mr. CHETAN P. JAVHERI [16] [08]

Has successfully completed in a satisfactory manner in a partial fulfilment of requirements for award of Degree in Civil Engineering conferred by the University of Mumbai.

PROF. SONIYA KADAM

(Project Guide)

PROF. SHAILESH PAGAR

(HOD, Civil Engineering Degree)



DR. D.D. SHINDE

(Principal, AMRIT)

A

MINI PROJECT-2A REPORT

ON

“Soil Stabilization Using Granite Powder and Marble Dust”.

Submitted in partial fulfillment of the requirements of curriculum of

TE CIVIL ENGINEERING

Conferred by

UNIVERSITY OF MUMBAI

SUBMITTED BY

Ms. LEENA B. PATIL

[12] [12]

Ms. DIYA V. MADHAVI

[09] [10]

Mr. PRATIK R. DOKE

[05] [09]

GUIDED BY

Prof. NIVRUTTI JADHAV



DEPARTMENT OF CIVIL ENGINEERING

ATMA MALIK INSTITUTE OF TECHNOLOGY AND

RESEARCH, MUMBAI UNIVERSITY (2023-24)

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH,
MUMBAI UNIVERSITY (2023-24)

AT-MOHILI, POST-AGHAI, TAL-SHAHAPUR, DIST-THANE

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the Project Report titled “**Soil Stabilization Using Granite Powder and Marble Dust**” is bonafide work of;

Ms. LEENA B. PATIL
Ms. DIYA V. MADHAVI
Mr. PRATIK R. DOKE

[12] [12]
[09] [10]
[05] [09]

Has successfully completed in a satisfactory manner in a partial fulfilment of requirements forward of Degree in Civil Engineering conferred by the Maharashtra State Board of Technical Education.

Prof. NIVRUTTI JADHAV

(Project Guide)

Prof. S.J. PAGAR

(HOD, Civil Engineering Degree)



Dr. D.D. SHINDE

(Principal, AMRIT)

PROJECT REPORT

ON

DESIGN & ESTIMATION of COOLING TOWER

BACHELOR'S DEGREE IN CIVIL ENGINEERING

CONFERRED BY

UNIVERSITY OF MUMBAI

SUBMITTED BY

TANVI SANTOSH AACHREKAR [01]

GAURI SHAMSUNDAR AKOLKAR [02]

SMITA SUKHADEV BHAGAT [03]

GANESH BALKRISHNA CHAUDHARY [04]

Guide: Prof. NIVRUTTI JADHAV SIR

HOD: Prof. SHAILESH PAGAR SIR



2023-2024

!! Sab Ka Malik Atma !!
Vishwatmak Jangli Maharaj Ashram Trust's
**ATMA MALIK INSTITUTE OF TECHNOLOGY AND
RESEARCH**

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the Synopsis Report entitled "DESIGNE & ESTIMATION of COOLING TOWER" duly submitted by the following students:

TANVI SANTOSH AACHREKAR [01]


GAURI SHAMSUNDAR AKOLKAR [02]

SMITA SUKHADEV BHAGAT [03]

GANESH BALKRISHNA CHAUDHARY [04]



has been successfully completed in a satisfactory manner as a part of first stage of the project in a partial fulfilment of requirements for award of Bachelor's Degree in Civil Engineering conferred by the University of Mumbai.


Project Guide
Prof. NIVRUTTI
JADHAV

Project Coordinator
Prof. SONIYA
KADAM


HOD, Civil Department
Prof. SHAILESH
PAGAR




Principal
Dr. D. D. SHINDE

**PROJECT SYNOPSIS OF
MAJOR PROJECT REPORT**

ON

**“USE OF PLASTIC WASTE AS AN AGGREGATE IN
CONCRETE”.**

Submitted in partial fulfillment of the requirements of curriculum of

BE CIVIL ENGINEERING

Conferred by

UNIVERSITY OF MUMBAI

SUBMITTED BY

Mr. NITESH MARUTI JADHAV. [19]

Ms. POOJA ASHOK JADHAV. [20]

Ms. BHAVIKA SANJAY BHOIR. [05]

Mr. DIPESH D. THAKARE. [08]

GUIDED BY

Prof. PRAVIN. M. THORAT



DEPARTMENT OF CIVIL ENGINEERING

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH,

MUMBAI UNIVERSITY (2022-23)

AT MOHILI, POST AGHAI, DIST-THANE 2022-2023

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH,
MUMBAI UNIVERSITY (2023-24)

AT MOHILI, POST AGHAI, DIST-THANE 2023-2024

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the Project Report titled **“Use of plastic waste as an aggregate in concrete.”** is bonafide work of;


Mr. NITESH MARUTI JADHAV. [19]

Ms. POOJA ASHOK JADHAV. [20] :

Ms. BHAVIKA SANJAY BHOIR. [05] .


Mr. DIPESH D. THAKARE. [08]

Has successfully completed in a satisfactory manner in a partial fulfilment of requirements for award of Degree in Civil Engineering conferred by the Maharashtra State Board of Technical Education.


Prof. P.M. THORAT
(Project Guide)


Prof. S. J. PAGAR
(HOD, Civil Engineering Degree)




Dr. D.D. SHINDE
(Principal, AMRIT)

A
Project Report
On
STUDY OF BEHAVIOUR OF STEEL FIBER REINFORCED
CONCRETE IN DEEP BEAM FOR FLEXURE

Submitted in partial fulfilment of the requirements of the degree of
Bachelor of Engineering

SUBMITTED TO



MUMBAI UNIVERSITY

SUBMITTED BY

SONAR RUCHITA, [10]
PATIL SANKET, [09]
GAIKWAD KARAN, [11]
JETHE AVINASH. [12]

Under the Guidance of
Prof. Soniya Kadam

Department of Civil Engineering
JANGLI MAHARAJ TRUST'S



ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH
At Village - Mohili, Post - Aghai, Tal - Shahapur, Dist - Thane.
(2023-2024)

CERTIFICATE

This is to certify that

RUCHITA G. SONAR [10]

SANKET M. PATIL [09]

KARAN M. GAIKWAD [17]

AVINASH B. JETHE [12]

Has satisfactorily completed the requirements of the Stage – I

Project entitled

**STUDY OF BEHAVIOUR OF STEEL FIBER REINFORCED
CONCRETE IN DEEP BEAM FOR FLEXURE**

As prescribed by the University of Mumbai Under the guidance of

Prof. Soniya Kadam



Prof. Soniya Kadam

Guide



Prof. Shailesh Pagar

H.O.D



Prof. D.D. Shinde

Principal



A project

on

**“AN EXPERIMENTAL STUDY OF CONCRETE MIXED WITH COCONUT SHELL
HUSK AS PARTIAL REPLACEMENT OF
FINE AGGREGATE”**

Submitted

in partial fulfillment, of
the requirements of the degree of

Bachelors of Engineering

**AKANKSHA GAIKWAD [18]
MEGHA PADGHA [19]
NIKITA TELIVARE [17]**

Guide

Prof. SONIYA KADAM



University of Mumbai

Civil Engineering Department

**ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH
(2023-2024)**

CERTIFICATE

Atma Malik Institute Of Technology and Research



This is to certify that **AKANKSHA GAIKWAD,MEGHA PADGHA,NIKITA TELIVARE** students of **B.E 7th** semester in **civil engineering**, has completed the project report titled **“AN EXPERIMENTAL STUDY OF CONCRETE MIXED WITH COCONUT SHELL HUSK AS PARTIAL REPLACEMENT OF FINE AGGREGATE”** to our satisfaction and is approved for **Bachelors of Engineering in Civil engineering.**

Prof. SONIYA KADAM

Guide



MR. SHAILESH PAGAR

Head Of Department

A
PROJECT REPORT
ON
GROUND IMPROVEMENT USING STONE COLUMN

Submitted in partial fulfillment of the
Requirement for the award of the

BACHELOR'S DEGREE (B.E) IN CIVIL ENGINEERING

SUBMITTED BY

ARVIND CHAUDHARY [26]
CHANDAN THAPAD [24]
MANTHAN JADHAV [27]
SHUBHAM BHOYE [25]

GUIDENCE BY

Prof. SONIYA KADAM

Conferred by

University of Mumbai



DEPARTMENT OF CIVIL ENGINEERING
ATMA MALIK INSTITUTE OF TECHNOLOGY & RESEARCH
(2023-2024)

!! Sab Ka Malik Atma !!

Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research



CERTIFICATE

This is to certify that the Major project titled "**GROUND IMPROVEMENT USING STONE COLUMN.**" duly submitted by the following students

ARVIND CHAUDHARY [26]
CHANDAN THAPAD [24]
MANTHAN JADHAV [27]
SHUBHAM BHOYE [25]

has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirements for the award of **Bachelor's Degree in Civil Engineering** to be conferred by the **UNIVERSITY OF MUMBAI**. In my opinion, the work embodied in this report is comprehensive and fit for evaluation.

Prof. SONIYA KADAM.

(Guide)

Prof. SHAILESH.J. PAGAR.

HOD (Civil)



Dr. D.D.SHINDE.

Principal

A
PROJECT REPORT
ON
STUDY AND ANALYSIS OF LOW COST HOUSINGS

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF
THE

**BACHELOR OF ENGINEERING IN CIVIL OF
UNIVERSITY OF MUMBAI**

SUBMITTED BY
SANSKAR R. JADHAV [29]
AMOL JADHAV [28]
SACHIN PATIL [30]

UNDER THE GUIDANCE OF
PROF. SONIYA KADAM



DEPARTMENT OF CIVIL ENGINEERING
VISHWATMAK JANGLI MAHARAJ ASHRAM TRUST'S
ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH
AT MOHILI, POST AGHAI, DIST-THANE.
2023-2024

VISHWATMAK JANGLI MAHARAJ ASHRAM TRUST'S
ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH
MOHILI, POST AGHAI, DIST-THANE.

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the Project Report titled "Study And Analysis Of Low Cost Housing" duly submitted by the following students:

Sanskar R. Jadhav [29]

Sachin Patil [30]

Amol Jadhav [28]

has been successfully completed in a satisfactory manner in a partial fulfilment of requirements for award of **Diploma in Civil Engineering** conferred by the **Maharashtra State Board Of Technical Education**.

Prof. Soniya Kadam
(Project Guide)

Prof. Shallesh Pagar
(HOD, Civil Engineering)



Dr. D. D. Shinde
(Principal)

PROJECT SYNOPSIS OF
MAJOR PROJECT
ON

**SOIL STABILIZATION OF BLACK COTTON SOIL BY USING
GRANITE POWDER AND MARBLE DUST.**

Submitted in Partial Fulfillment of the
Requirement for the award of the

BACHELOR'S DEGREE (B.E) IN CIVIL ENGINEERING,

Submitted by

URMILA RAVINDRA KAMBLE [36]

VINAYAK VAIJNATH KHARATMOL [35]

SRUSHTI SHAIKESH NIMSE [37]

TEJAS RAVINDRA KIRPAN [38]

Guide: Prof. NIVRUTTI JADHAV SIR

HOD: Prof. SHAIKESH PAGAR SIR

Conferred by



UNIVERSITY OF MUMBAI

DEPARTMENT OF CIVIL ENGINEERING

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH

!! Sab Ka Malik Atma !!

Vishwatmak Jangli Maharaj Ashram Trust's

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH



**CERTIFICATE
(MAJOR PROJECT)**

This is to certify that the Mini project titled "SOIL STABILIZATION OF BLACK COTTON SOIL BY USING GRANITE POWDER AND MARBLE DUST." duly submitted by the following students

URMILA RAVINDRA KAMBLE [36]

VINAYAK VAIJNATH KHARATMOL [35]

SRUSHTI SHAILESH NIMSE [37]

TEJAS RAVIDRA KIRPAN [38]

Has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirements for the award of Bachelor's Degree in Civil Engineering. Semester VII conferred by the UNIVERSITY OF MUMBAI. In my opinion, the work embodied in this report is comprehensive fit for

Prof. NIVRUTTI JADHAV SIR
Guide

Prof. SHAILESH PAGAR SIR
HOD (CIVIL)



DR D.D.SHINDE SIR.
Principal

A
Project Report
On
**Use of Solar Panel on the
Road to use the available space
and produce solar energy**

Submitted in partial fulfillment of the requirements for the degree of **Bachelor
of Engineering in Civil**

By

Sudhir Autade	Roll No. 03	[39]
Bharati Jadhav	Roll No. 32	[40]
Pradeep Munde	Roll No. 41	[42]
Kalyanee Patil	Roll No. 44	[41]



Technology Personified

Department of Civil Engineering

Innovative Engineers' and Teachers' Education society's

Atma Malik Institute Of Technology And Research

Mohili: - 421601

(Affiliated to University of Mumbai)

(2023-24)

CERTIFICATE

This is to certify that, the Project titled
**“Use of Solar Panel on the Road to use the available space and
produce solar energy”**

is a bonafide work done by

Sudhir Autade	Roll No. 03	[39]
Bhrati Jadhav	Roll No. 32	[40]
Pradeep Munde	Roll No. 41	[42]
Kalyanee Patil	Roll No. 44	[44]


*and is submitted in the partial fulfillment of the requirement for
the degree of*

Bachelor of Engineering In Civil

To the
University of Mumbai



Project Co-ordinator –Prof.Soniya kadam


Project Guide
(Prof.Pravin Thorat)

Head of Department
(Prof..Shailesh Pagaro)

Principal
(Dr.Dnyandeo D Shinde)



!! SABKA MALIK ATMA !!
VISHWATMAK JANGALI MAHARAJ ASHRAM TRUST'S
Atma Malik Institute of Technology and Research
AT - Mohili POST - Aghai , Tal-Shahapur Dist-Thane

Department of Civil Engineering

A

PROJECT REPORT

ON

“SELF COMPACTING CONCRETE”

- Submitted To -



UNIVERSITY OF MUMBAI

For Academic Year
2023-2024

-Submitted By-

Ms. Dhanashree Pramod Bhoir. [43]

Ms. Priyanka Santosh ^{Misal} Patil. [45]

Mr. Chirag Sudhir Patil. [44]

Mr. Vihar Satish Mithbavkar. [46]



!! SABKA MALIK ATMA !!
VISHWATMAK JANGALI MAHARAJ ASHRAM TRUST'S
Atma Malik Institute of Technology and Research
AT - Mohili POST - Aghai , Tal-Shahapur Dist-Thane

Department of Civil Engineering

CERTIFICATE

Certified that the mini-project work entitled

“SELF COMPACTING CONCRETE”

Has been successfully completed by

Ms. Dhanashree Pramod Bhoir. [43] Ms. Priyanka Santosh Patil. [45]

Mr. Chirag Sudhir Patil. [44] Mr. Vihar Satish Mithbavkar. [46]

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

UNIVERSITY OF MUMBAI

For Academic Year
2022-2023

Prof. Soniya Kadam
(Project Guide)

Prof. Nimisha Deshmukh
(Examiner)

Prof. Shallesh J. Pagar
(Head of Department)



Prof. Dr. D. D. Shinde
(Principal)



!!Sabka Malik Atma!!

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

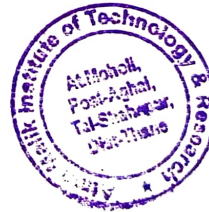
Department of Mechanical Engineering


ACAD-DI-24B	List of Guide Allocation (Mini Project 1 A)	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Date:

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
02	Bhangare Sachin Kalu	Sachinbhangare0506@gmail.com	9011408736	Solenoid Electromagnetic Engine	Prof. S. M. Patil
05	Naik Viraj Vilas	Naikviraj345@gmail.com	7798812681		
01	Baderao Pranit Santosh	pranitbaderao05052001@gmail.com	9158508584		
03	Chavan Khushal Devidas	Ckhushal152@gmail.com	7304175521	Electromagnetic Braking System	Prof. R. S. Gaikwad
04	Jadhav Ravikant Yashwant	Ra.ravijadhav@gmail.com	7798812681		
06	Jadnika Thakur Patil	jadnikapatil2626@gmail.com	8669582626		


Prof. S. M. Patil
Project Coordinator




Prof. U. V. Patil
Head of the Department

A
MINI PROJECT REPORT ON
"SOLENOID ENGINE- ELECTROMAGNETIC"
For the Award of the degree of
BACHELOR OF ENGINEERING
In
MECHANICAL

Submitted By
"SACHIN KALU BHANGARE"[02]
"VIRAJ VIKAS NAIK"[05]
"PRANIT SANTOSH BADERAO"[01]

Under the guidance of

"PROF. S.M. PATIL"



Atma Malik Institute of Technology and Research

Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2022-23



Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Mechanical Engineering

MINI PROJECT REPORT ON

“SOLENOID ENGINE-ELECTROMAGNETIC”

CERTIFICATE

This is to certify that the mini project report entitled “**Solenoid Engine-Electromagnetc**” submitted by “**Sachin Kalu Bhangare, Viraj Vikas Naik, Pranit Santosh Baderao**” submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.

Prof. S. M. Patil

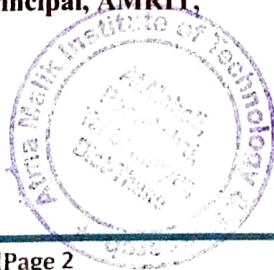
Department of Mechanical Engineering

External Examiner

Prof. U.V. Patil
HOD, Principal, AMRIT,

Dr. D. D. Shinde
Department of Mechanical Engineering
Mohil-Aghai, Shahapur

Office Seal



A

MINI PROJECT REPORT
ON

Frictionless Electromagnetic Braking System

For the Award of the degree of
BACHELOR OF ENGINEERING

In

MECHANICAL

Submitted By

Khushal Chavan, (Roll No. 03)

Ravikant Jadhav (Roll No 04)

Jadnika Patil (Roll No. 06)

Under the guidance of
PRO. R.S. GAIKWAD



Atma Malik Institute of Technology and Research

Affiliated to
UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24

A

MINI PROJECT REPORT
ON

Frictionless Electromagnetic Braking System

For the Award of the degree of
BACHELOR OF ENGINEERING

In

MECHANICAL

Submitted By

Khushal Chavan, (Roll No. 03)

Ravikant Jadhav (Roll No 04)

Jadnika Patil (Roll No. 06)

Under the guidance of
PRO. R.S. GAIKWAD



Atma Malik Institute of Technology and Research

Affiliated to
UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24



Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Mechanical Engineering

MINI PROJECT REPORT ON
Frictionless Electromagnetic Braking System

CERTIFICATE

This is to certify that the mini project report entitled **Frictionless Electromagnetic Braking System** submitted by **Khushal Chavan, Ravikant Jadhav And Jadhnik Patil** submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.

Prof. R.S. Gaikwad
Name of the project guide

Department of Mechanical Engineering

External Examiner

Prof. U.V. Patil
HOD,

Department of Mechanical Engineering

Dr. D. D. Shinde
Principal, AMRIT,
Mohili-Aghai, Shahapur

Office Seal





!!Sabka Malik Atma!!

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering


ACAD-DI-24B	List of Guide Allocation (Mini Project 2 A)	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Date:

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
09	SINGH SURAJ RAMSAGAR	suraj.r.singh.kushawa@gmail.com	7387712958	Solar Tracking System	Prof. S. M. Patil
02	DHASADE RUSHIKESH	rushidhasade07@gmail.com	9168773592		
05	PATIL MANISH RAJENDRA	manishpatil6366@gmail.com	7387412442		
01	DADHEKAR SARTHAK RASHMIKANT	sarthakdadhekar@gmail.com	9356833027	Mars Rover	Prof. R. S. Gaikwad
04	JADHAV MAYUR GURUNATH	mayurgjadhav2003@gmail.com	7276184865		
08	SARMALKAR PAVAN PUNDALIK		9892902163		
06	RAUT GANESH SURESH	ganeshraut7793@gmail.com	9322800283	Case Study on ACG Associated Capsule Pvt. Ltd, Dahanu.	Dr. S. K. Chaudhary
07	RAUT KUNJAN NITENDRA	rautkunjan@gmail.com	9373254210		
03	DUPARE AMOL SURESH	amoldupare111@gmail.com	7620553854		


Prof. S. M. Patil
Project Coordinator




Prof. U. V. Patil
Head of the Department

A
PROJECT REPORT ON
“SOLAR TRACKING SYSTEM”

For the Award of the degree of
BACHELOR OF ENGINEERING

In
MECHANICAL

Submitted By

SURAJ RAMSAGAR SINGH (09)
RUSHIKESH VASUDEV DHASADE (02)
MANISH RAJENDRA PATIL (05)

Under the guidance of

“Prof. Sonali Patil”



Atma Malik Institute of Technology and Research

Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24




Vishwatakm Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Mechanical Engineering


PROJECT REPORT ON
"SOLAR TRACKING SYSTEM"


CERTIFICATE

This is to certify that the seminar entitled **Solar Tracking System** submitted by, **Mr. Suraj R. Singh, Mr. Rushikesh V. Dhasade, Mr. Manish R. Patil** for the partial fulfilment of the requirement for qualifying Degree Mechanical Engineering from **Atma Malik Institute of Technology and Research**, is a bonafide work carried out during academic year 2023 - 2024


- A. Singh Suraj Ramsagar**
- B. Dhasade Rushikesh Vasudev**
- C. Patil Manish Rajendra**


Prof. Sonali Patil
(Project Guide)


(External Examiner)


Prof. Uhas Patil
(HOD, Mech. Department)




Dr. D. D. Shinde
(Principal, AMRIT)

A
MINI PROJECT REPORT ON

“MARS ROVER”

For the Award of the degree of

BACHELOR OF ENGINEERING

In

MECHANICAL

Submitted By

- 1) **Sarthak Dadhekar (01)**
- 2) **Mayur Jadhav (04)**
- 3) **Pavan Sarmalkar (08)**

Under the guidance of
Prof. Rupali Gaikwad



Atma Malik Institute of Technology and Research

Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24



Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Mechanical Engineering

MINI PROJECT REPORT ON
"MARS ROVER"
CERTIFICATE

This is to certify that the mini project report entitled **MARS ROVER** submitted by **Sarthak Dadhekar (01), Mayur Jadhav (04), Pavan Sarmalkar (08)** submitted to the University of Mumbai in partial fulfilment of the requirement for the ward of the degree of Bachelor of Mechanical Engineering.

Prof. Rupali Gaikwad

PROJECT GUIDE

Department of Mechanical Engineering

External Examiner

Prof. U.V. Patil

HOD,

Department of Mechanical Engineering

Dr. D. D. Shinde

Principal, AMRIT,

Mohil-Aghai, Shahapur



A
MINI PROJECT REPORT ON
“CASE STUDY ON CAPSULE MANUFACTURING PROCESS ”

For the Award of the degree of
BACHELOR OF ENGINEERING

In
MECHANICAL
Submitted By
KUNJAN RAUT (7)
GANESH RAUT (6)
AMOL DUPARE (3)
Under the guidance of

”DR. S.K. CHAUDHARY”



Atma Malik Institute of Technology and Research

Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24



Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

MINI PROJECT REPORT ON
"CASE STUDY ON CAPSULE MANUFACTURING PROCESS"
CERTIFICATE

This is to certify that the mini project report entitled "**CASE STUDY ON CAPSULE MANUFACTURING PROCESS**" submitted by "**KUNJAN RAUT (7), GANESH RAUT (6), AMOL DUPARE(3)**" submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.

Phm
4-11-23

DR. S.K. CHAUDHARY

Department of Mechanical Engineering

A. J. Dalvi
A. J. Dalvi
External Examiner

U. V. Patil

Prof. U. V. PATIL

HOD,

Department of Mechanical Engineering

Dr. D. D. Shinde

Dr. D. D. Shinde
Principal, AMRIT,
Mohil-Aghai, Shahapur



Office Seal

AMRIT, AGHAI

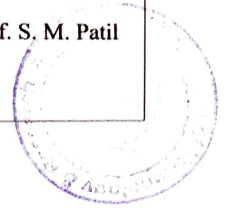


!!Sabka Malik Atma!!
Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Mechanical Engineering

ACAD-DI-24B	List of Guide Allocation (Major Project I)	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Date: 18/08/2023

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
02	BHOIR VIRESH SURESH	vireshbhoir49@gmail.com	9373194282 / 7420364223	Artificial Intelligence Based Fire Fighting Robot Vehicle	Prof. R. S. Gaikwad
11	JADHAV HARSHAD SITARAM	jadhavhs12@gmail.com	7798351895 / 9226134843		
22	PATIL SANKET VIJAY	sanketpatil7727@gmail.com	7768018626/9226718432		
21	PATIL NIRAG RAJENDRA	niragpatil1510@gmail.com	7447626555		
08	GHARAT ASHISH SUBHASH	ashishgharat434@gmail.com	8652568942	Design and Development of Pedal Operated Bench	Prof. S. M. Patil
09	GHARAT MANISH VISHWANATH	manishgharat1711@gmail.com	8419904329		
10	GHARAT RUCHIT CHANDRAKANT	ruchitgharat31@gmail.com	9921663088		
06	DHODADE ISHVAR SHANTARAM	ishvardhodade267@gmail.com	8857060738		
32	THAKARE SHIVAM TANAJI	shivamthakare1219@gmail.com	9511760960	Design and Development of Staircase Power Generation using Spring and Gear Mechanism	Prof. S. M. Patil
19	PATIL ABHIJIT VITTHAL	pabhijeet1801@gmail.com	7798372517		
13	JADHAV SHUBHAM SANJAY	ssjadhav6666@gmail.com	9637209206		
29	SAPAT SURAJ VIJAY	Surajs0214@gmail.com	8983602500/ 7776019581		





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Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Mechanical Engineering

04	DALVI SAMEER KRUSHNA	samirdalvi19113918@gmail.com	9022763831/ 7875450813	Multi Point Fuel Injection System	Prof. R. S. Gaikwad
05	DALVI NITIN PANDHARINATH	nitin.dalvi8991@gmail.com	9326854327		
16	MORE KUNAL RAVINDRA	kunalrm9986@gmail.com	9819050958 / 8850256500		
12	JADHAV MRUNALI VILAS	Mrunalijadhav8100	7499984363 / 992313468	Solar Based Battery Cycle	Dr. S. K. Chaudhary
26	PRAJAPATI VIJAY KUMAR KARMNATH	Prajapativiju67@gmail.com	8698433644		
31	TAYADE GANESH VASANT	tayadeg97@gmail.com	9152460731		
24	PATIL VINIT MOHAN	vinitpatil491@gmail.com	9579102828/		
20	PATIL BHAVIK SUDHAKAR	bhavikpatil47002@gmail.com	9021584344	Design and Fabrication of Solar Powered Grass Cutter	Dr. S. K. Chaudhary
03	BHOVARE SAHIL SANTOSH	sahilbhovare45@gmail.com	9834878167		
01	ADHIKARI YADNYESH SUNIL	Yadnyeshadhikari0310@gmail.co m	7058585893		
27	PARGAONKAR SAKSHAM MADHUKAR	sakshampargaonkar34@gmail.com	8308924535 / 7769972860		
30	SATHE IMRAN IQBAL	imransathe950@gmail.com	8149109791	Fabrication of Automated Sprayer for Agriculture Purpose	Prof. U. V. Patil
28	RAYAT MAYURESH EKNATH	rayatmayuresh@gmail.com	9158244467		
15	MOPE PRATIK ASHOK	mopepratik@gmail.com	8788133550 /		
33	THAKARE VILAS ASHOK	vilasthakare74@gmail.com	8999921845/ 7066479877		
25	PAWAR CHAITALI KRUSHNA	chaitalipawar9211@gmail.com	9373600771/ 8261058476	Demonstration of 360 degree Wheel Rotating Vehicle	Prof. G. E. Chavan
23	PATIL TEJAS DILIP	tejasdilipatil@gmail.com	9767832370/ 8007191348		
18	PATARE TEJAS DATTATRAY	tejaspatare 2019@gmail.com	9168356601 / 9975527312		



!!Sabka Malik Atma!!
Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Mechanical Engineering

17	MUKNAK SURAJ SUBHASH	surajmuknak271@gmail.com	7499938036		
07	GAJAKOSH VICKY ANIL	vgajakosh@gmail.com	9892924912	Design and Fabrication of automatic rain operated wiper	Prof. U. V. Patil
14	JADHAV SURAJ BALU	jbsuraj1995@gmail.com	8793539703		
34	MAHALE HEMLATA RAGHUNATH	mahalem67@gmail.com	9168199285		

Prof. S. M. Patil
Project Coordinator



Prof. U. V. Patil
Head of the Department

A
PROJECT REPORT ON
“DEVELOPMENT & MODIFICATION FIRE FIGHTING
ROBOTIC VEHICLE”

For the Award of the degree of
BACHELOR OF ENGINEERING

In
MECHANICAL

Submitted By

MR.VIRESH SURESH BHOIR
MR.HARSHAD SITARAM JADHAV
MR.NIRAG RAJENDRA PATIL
MR.SANKET VIJAY PATIL

Under the guidance of
PROF.R.S.GAIKWAD

Atma Malik Institute of Technology and Research



Affiliated to
UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24



Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

PROJECT REPORT ON

"DEVELOPMENT & MODIFICATION FIRE FIGHTING ROBOTIC VEHICLE"

CERTIFICATE

This is to certify that the project report entitled "**DEVELOPMENT & MODIFICATION FIRE FIGHTING ROBOTIC VEHICLE**" submitted by "**Viresh Bhoir [02], Harshad Jadhav[11], Nirag Patil[21], Sanket Patil[22]**" submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.

R.S. Gaikwad

Name of the project guide

Department of Mechanical Engineering

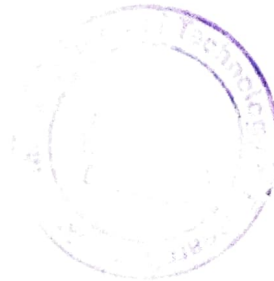
Prof. U. V. Patil

HOD

Department of Mechanical Engineering

Dr. D. D. Shinde

**Principal, AMRIT,
Mohil-Aghai, Shahapur**



Office Seal

A

MAJOR PROJECT REPORT ON
**“DESIGN AND DEVELOPMENT OF PEDAL OPERATED BENCH
GRINDING MACHINE”**

For the Award of the degree of
BACHELOR OF ENGINEERING

In
MECHANICAL

Submitted By

1. ISHVAR DHODADE (06)
2. ASHISH GHARAT (08)
3. MANISH GHARAT (09)
4. RUCHIT GHARAT (10)

Under the guidance of

“Prof. Sonali Patil”



Atma Malik Institute of Technology and Research

Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2022-23



Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

MAJOR PROJECT REPORT ON
“Design and Development of Pedal Operated Grinding Machine”
CERTIFICATE

This is to certify that the Major project report entitled “**Design and Development of Pedal Operated Grinding Machine**” submitted by “**Ishvar Dhodade, Ashish Gharat, Manish Gharat, Ruchit Gharat**” submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.

Prof. Sonali Patil

Internal Gaud

Department of Mechanical Engineering

Prof. U. V. Patil

HOD,

Department of Mechanical Engineering

Dr. D. D. Shinde
Principal, AMRIT,
Mohil-Aghai, Shahapur

Office Seal



A
PROJECT REPORT ON
“DESIGN & DEVELOPMENT OF STAIRCASE POWER
GENERATION THROUGH SPRING GEAR MECHANISM”

For the Award of the degree of
BACHELOR OF ENGINEERING

In
MECHANICAL

Submitted By

MR.. SHUBHAM SANJAY JADHAV (13)

MR. SURAJ VIJAY SAPAT (29)

MR. ABHIJEET VITTHAL PATIL (19)

MR. SHIVAM TANAJI THAKARE (33)

Under the guidance of
PROF. S. M. Patil

Atma Malik Institute of Technology and Research

Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24



Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

PROJECT REPORT ON
DESIGN AND DEVELOPMENT OF STAIRCASE POWEE GENERATION
THROUGH SPRING AND GEAR MECHANISM

CERTIFICATE

This is to certify that the project report entitled “**DESIGN AND DEVELOPMENT OF STAIRCASE POWEE GENERATION THROUGH SPRING AND GEAR MECHANISM.**” submitted by “**Shubham Jadhav, Suraj Sapat, Abhijeet Patil, Shivam Thakare**” submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.

Prof. S.M. Patil
Project guide

Department of Mechanical Engineering

Prof. U. P. Patil
HOD,

Department of Mechanical Engineering

Dr. D. D. Shinde
Principal, AMRIT,
Mohil-Aghai, Shahapur



Office seal

A
MAJOR PROJECT REPORT ON
MULTI POINT FUEL INJECTION TESTING KIT
For the Award of the degree of
BACHELOR OF ENGINEERING In MECHANICAL

Submitted By

NITIN DALVI 05

KUNAL MORE 04

SAMIR DALVI 16

Under the guidance of

Prof.Ms. R.S.GAIKWAD



Atma Malik Institute of Technology and Research

Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24



Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

**MAJOR PROJECT REPORT ON
MULTI POINT FUEL INJECTION TESTING KIT**

CERTIFICATE

This is to certify that the Major project report entitled **MULTI POINT FUEL INJECTION TESTING KIT** submitted by **NITIN DALVI [05], SAMIR DALVI [04], KUNAL MORE [16]** submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.

Prof. Ms. R. S. GAIKWAD
Name of the project guide

Department of Mechanical Engineering

Prof. U. V. Patil
HOD,
Department of Mechanical Engineering

Dr. D. D. Shinde
Principal, AMRIT,
Mohil-Aghai, Shahapur



A
MAJOR PROJECT REPORT ON
“SOLAR BASED BATTERY CYCLE”

For the Award of the degree of
BACHELOR OF ENGINEERING

In
MECHANICAL

Submitted By

MRUNALI VILAS JADHAV (12)
VINIT MOHAN PATIL (24)
VIJAY KARMNATH PRAJAPTI (26)
GANESH VASANT TAYADE (32)

Under the guidance of

Dr.

~~DR.~~ SHYAM KUMAR CHAUDHARY



Atma Malik Institute of Technology and Research

Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering



**MAJOR PROJECT REPORT ON
"SOLAR BASED BATTERY CYCLE"**

CERTIFICATE

This is to certify that the Major project report entitled "**Solar based battery cycle**" submitted by "**MRUNALI VILAS JADHAV, VINIT MOHAN PATIL, VIJAY KARNATH PRAJAPTI, GANESH VASANT TAYADE**" submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.

Dr. Shyam Kumar Chaudhary
Name of the project guide

Department of Mechanical Engineering

External Examiner

Prof. U. V. Patil
HOD,

Department of Mechanical Engineering

Dr. D. D. Shinde
Principal, AMRIT,
Mohil-Aghai, Shahapur



Office Seal

A
MAJOR PROJECT REPORT ON
“Design And Fabrication of Solar Powered Grass Cutter”

For the Award of the degree of

BACHELOR OF ENGINEERING

In

MECHANICAL

Submitted By

MR. BHAVIK SUDHAKAR PATIL (20)

MR. SAKSHAM MADHUKAR PARGAONKAR (18)

MR. SAHIL SANTOSH BHOVARE (03)

MR. YADNESH SUNIL ADHIKARI (01)

Under the guidance of

Dr. Shyam Kumar Chaudhary

Atma Malik Institute of Technology and Research



Affiliated to
UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
ACADEMIC YEAR - 2023-24




Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)


Department of Mechanical Engineering


MAJOR PROJECT REPORT ON
“Design And Fabrication of Solar Powered Grass Cutter”
CERTIFICATE

This is to certify that the Major project report entitled “Design and fabrication of solar powered grass cutter submitted by **Bhavik Patil, Saksham Pargaonkar, Sahil Bhovare, Yadnesh Adhikari**, submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.


Dr. Shyam Kumar Chaudhary
Internal Guide
Department of Mechanical Engineering


External Examiner


Prof. U. V. Patil
HOD,
Department of Mechanical Engineering


Dr. D. D. Shinde
Principal, AMRIT,
Mohil-Aghai, Shahapur

Office Seal



A

MAJOR PROJECT REPORT ON

“Fabrication of Automated Sprayer For Agriculture Purpose”

For the Award of the degree of
BACHELOR OF ENGINEERING

In

MECHANICAL

Submitted By

MR. Imran Sathe

MR. Mayuresh Rayat

MR. Vilas Thakre

MR. Pratik Mope

Under the guidance of
”Ulhas Patil”



Atma Malik Institute of Technology and Research
Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24



Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

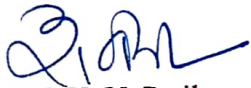
MAJOR PROJECT REPORT ON
“Fabrication of Automated Sprayer For Agriculture Purpose”
CERTIFICATE


This is to certify that the Major project report entitled “**Fabrication of Automated Sprayer For Agriculture Purpose**” submitted by “**Imran Sathe(30), Mayuresh Rayat(28), Vilas Thakre(33), Pratik Mope(14)**” submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.


Ulhas Patil

—
External Examiner

Department of Mechanical Engineering


Prof. U. V. Patil
HOD,
Mechanical Engineering


Dr. D. D. Shinde
Principal, AMRIT, Department of
Mohil-Aghai, Shahapur



A
MAJOR PROJECT REPORT ON
“DESIGN AND FABRICATION OF AUTOMATIC RAIN
OPERATED WIPER”

For the Award of the degree of
BACHELOR OF ENGINEERING
In
MECHANICAL

Submitted By

1. HEMLATA MAHALE [34]
2. SURAJ JADHAV [34]
3. VICKY GAJAKOSH [07]

Under the guidance of

“prof. Ulhas Patil”



Atma Malik Institute of Technology and Research
Affiliated to

UNIVERSITY OF MUMBAI



Department of Mechanical Engineering
Academic Year - 2023-24

Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research
(AMRIT)

Department of Mechanical Engineering

MAJOR PROJECT REPORT ON
"DESIGN AND FABRICATION OF AUTOMATIC RAIN OPERATED WIPER"
CERTIFICATE


This is to certify that the Major project report entitled "**Design and Fabrication of Automatic Rain Operated Wiper**" submitted by "**Hemlata Mahale, Suraj Jadhav, Vicky Gajakosh**" submitted to the University of Mumbai in partial fulfilment of the requirement for the award of the degree of Bachelor of Mechanical Engineering.



Ulhas Patil

Name of the project guide

Department of Mechanical Engineering



Prof. U. V. Patil
HOD,

Department of Mechanical Engineering

External Examiner



Dr. D. D. Shinde
Principal, AMRIT,
Mohil-Aghai, Shahapur



Office Seal



ACAD-DI-24B	Academic Year: 2023-24
Rev: 00	Semester: ODD
Date: 11-7-2022	

List of Guide Allocation

SUBJECT: Mini Project 2A

SEM: V

DATE : 08/08/2023

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
3	Jadhav Ram Navnath	Ramjadhav88@gmail.com	9309988259	Arduino based obstacle avoiding using voice & Bluetooth control robot	Prof. Sumit Kumar
5	Kumavat Ruturaj Shivcharan	Riturajkumavat7576@gmail.com	8329363415		
8	Patil Omkar Vijay	ompati14438@gmail.com	9890857319		
11	Reddy Balaji Raju	Baljre672@gmail.com	7030502030	IOT based soil moisture control system	Prof. Deepak Baviskar
7	Nikam Shivani Balu	rbhosle8909@gmail.com	9619514969		
10	Patil Sujcet Chandrakant	ompati14438@gmail.com	9137314277		
2	Gejage Aniket Ashok	aniketgejage06@gmail.com	7021341075	Human Speed sensor	Prof. Nisha Shelar
1	Bhosale Shubham Mangesh	bhosaleshshubham0210@gmail.com	9324344198		
4	Kamble Dinesh Ganesh	dineshkamble292000@gmail.com	8928047330		
12	Sakpal Jaguruti Rajendra	sakpaljaguruti1998@gmail.com	8286170773	Digital Temperature sensor using 8051 controller	Prof. Deepak Baviskar
6	Neman Anita Dattaram	nemananita1999@gmail.com	7700024284		
9	Patil Karan Dhanraj	infokaranpatil@gmail.com	9699028603		
13	Shewale Suraj Prahlad	surajbestar@gmail.com	8530699784		

Pravin
Project Coordinator



Shiv
Head of the Department

MINI PROJECT REPORT

On

“Automatic Door Opening And Closing System Using Microcontroller”

Submitted in the partial fulfilment for the award of Bachelor of Engineering in
ELECTRONICS & TELECOMMUNICATION ENGINEERING

At

Atma Malik Institute of Technology & Research, Aghai



Submitted to

University of Mumbai, Mumbai

GUIDE NAME

(Project Guide)

Submitted by

Rituraj Kumawat

Omkar Patil

Balaji Reddy

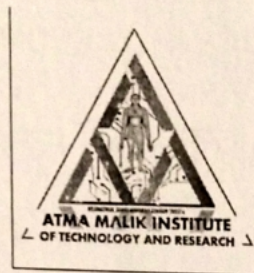
Ram Jadhav

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING**

2023-24

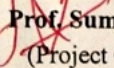
**ATMA MALIK INSTITUTE OF TECHNOLOGY &
RESEARCH, AGHAI**

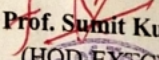
**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING**

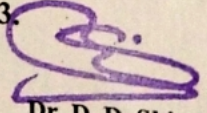


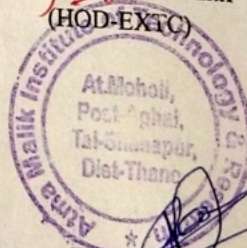
CERTIFICATE

This is to certify that, "*Rituraj Kumawat, Omkar Patil, Balaji Reddy, Ram Jadhav*" have submitted a report on the basis of the project work on "**PROJECT TITLE**" of the subject Mini Project 2A, Sem V as prescribed by the University of Mumbai in the college during the academic year 2022-23.

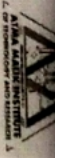

Prof. Sumit Kumar
(Project Guide)


Prof. Sumit Kumar
(HOD-EXTC)


Dr. D. D. Shinde
(Principal)




External Examiner



ACAD-DI-24B	List of Guide Allocation	Academic Year: 2023-24
Rev: 00		Semester: ODD
Date: 11-7-2022		

SUBJECT: Mini Project 2A

SEM: V

DATE : 08/08/2023

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
3	Jadhav Ram Navnath	Ramjadhav88@gmail.com	9309988259	Arduino based obstacle avoiding using voice & Bluetooth control robot	Prof. Sumit Kumar
5	Kumavat Ruturaj Shivcharan	Riturajkumawat7576@gmail.com	8329363415		
8	Patil Omkar Vijay	ompati4438@gmail.com	9890857319		
11	Reddy Balaji Raju	Baljre672@gmail.com	7030502030	IOT based soil moisture control system	Prof. Deepak Baviskar
7	Nikam Shivani Balu	rbhosle8909@gmail.com	9619514969		
10	Patil Sujcet Chandrakant	ompati4438@gmail.com	9137314277		
2	Gejage Aniket Ashok	aniketgejage06@gmail.com	7021341075	Human Speed sensor	Prof. Nisha Shelar
1	Bhosale Shubham Mangesh	bhosaleshubham0210@gmail.com	9324344198		
4	Kamble Dinesh Ganesh	dineshkamble292000@gmail.com	8928047330		
12	Sakpal Jaguruti Rajendra	sakpaljagruti1998@gmail.com	8286170773	Digital Temperature sensor using 8051 controller	Prof. Deepak Baviskar
6	Neman Anita Dattaram	nemananita1999@gmail.com	7700024284		
9	Patil Karan Dhanraj	infokaranpatil@gmail.com	9699028603		
13	Shevale Suraj Prahlad	surajbestar@gmail.com	8530699784		

Pravin M
Project Coordinator



Pravin M
Head of the Department

**ATMA MALIK INSTITUTE OF TECHNOLOGY
& RESEARCH, AGHAI
ELECTRONICS & TELECOMMUNICATION ENGINEERING**



MINI PROJECT REPORT

On

“IOT-BASED SOIL MOISTURE CONTROL SYSTEM”

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

Submitted to

University of Mumbai, Mumbai

Prof. DEEPAK BAVISKAR

(Project Guide)

Submitted by

1. ANIKET GEJAGE

2. SHIVANI NIKAM

3. SUJEET PATIL

**DEPARTMENT OF ELECTRONICS &
TELECOMMUNICATION ENGINEERING**

2023 – 2024

**DEPARTMENT OF ELECTRONICS &
TELECOMMUNICATION ENGINEERING**



CERTIFICATE

This is to certify that, **“ANIKET, SHIVANI, SUJEET”** have submitted a report on the basis of the project work on **“IOT-Based soil moisture control system”** of the subject Mini Project 1A, Sem V as prescribed by the University of Mumbai in the college during the academic year **2023-2024**.

Prof. Deepak B.
(Project Guide)

Prof. Samit Kumar
(HOD-EXTC)

Dr. D. D. Shinde
(Principal)



External Examiner

ACAD-DI-24B	List of Guide Allocation	Academic Year: 2023-24
Rev: 00		Semester: ODD
Date: 11-7-2022		

SUBJECT: Mini Project 2A

SEM: V

DATE : 08/08/2023

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
3	Jadhav Ram Navnath	Ranjadhav88@gmail.com	9309988259	Arduino based obstacle avoiding using voice & Bluetooth control robot	Prof. Sumit Kumar
5	Kumavat Raturaj Shivcharan	Riturajkumawat7576@gmail.com	8329363415		
8	Patil Omkar Vijay	ompati14438@gmail.com	9890857319		
11	Reddy Balaji Raju	Baljire672@gmail.com	7030502030	IOT based soil moisture control system	Prof. Deepak Baviskar
7	Nikam Shivani Balu	rhosle8909@gmail.com	9619514969		
10	Patil Sujcet Chandrakant	ompatil4438@gmail.com	9137314277		
2	Gejage Aniket Ashok	aniketgejage06@gmail.com	7021341075	Human Speed sensor	Prof. Nisha Shelar
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12	Sakpal Jaguruti Rajendra	sakpaljaguruti1998@gmail.com	8286170773	Digital Temperature sensor using 8051 controller	Prof. Deepak Baviskar
6	Neman Anita Dattaram	nemananita1999@gmail.com	7700024284		
9	Patil Karan Dhanraj	infokarapatil@gmail.com	9699028603		
13	Shewale Suraj Prahlad	surajbestar@gmail.com	8530699784		

Pratim
Project Coordinator



Sumel
Head of the Department

**ATMA MALIK INSTITUTE OF TECHNOLOGY
& RESEARCH, AGHAI
ELECTRONICS & TELECOMMUNICATION ENGINEERING**



MINI PROJECT REPORT

On

“HUMAN SPEED DETECTOR”

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

Submitted to

University of Mumbai, Mumbai

Prof. Nisha Shelar.

(Project Guide)

Submitted by

1.SHUBHAM BHOSALE.

2.DINESH KAMBLE.

3.JAGRUTI SAKPAL.

**DEPARTMENT OF ELECTRONICS &
TELECOMMUNICATION ENGINEERING**

2023 – 2024


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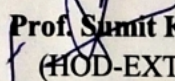
**DEPARTMENT OF ELECTRONICS &
TELECOMMUNICATION ENGINEERING**

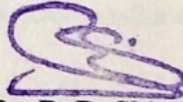


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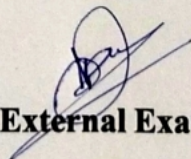
This is to certify that, “ **SHUBHAM, DINESH, JAGRUTI**” have submitted a report on the basis of the project work on “**HUMAN SPEED DETECTOR**” of the subject Mini Project 1A, Sem III as prescribed by the University of Mumbai in the college during the academic year **2022-23**.


Prof. Nisha Shelar
(Project Guide)


Prof. Sumit Kumar
(HOD-EXTC)


Dr. D. D. Shinde
(Principal)




External Examiner



ACAD-DI-24B	Academic Year: 2023-24
Rev: 00	Semester: ODD
Date: 11-7-2022	

List of Guide Allocation

SUBJECT: Mini Project 2A SEM: V DATE: 08/08/2023

Roll No	Names of the student	Email ID	Contact No	Project Title	Guide
3	Jadhav Ram Navnath	Ramjadhav88@gmail.com	9309988259	Arduino based obstacle avoiding using voice & Bluetooth control robot	Prof. Sumit Kumar
5	Kumavat Ruturaj Shivcharan	Riturajkumawat7576@gmail.com	8329363415		
8	Patil Omkar Vijay	ompati14438@gmail.com	9890857319		
11	Reddy Balaji Raju	Balire672@gmail.com	7030502030	IOT based soil moisture control system	Prof. Deepak Baviskar
7	Nikam Shivani Balu	rbhosle8909@gmail.com	9619514969		
10	Patil Sujcet Chandrakant	ompati14438@gmail.com	9137314277		
2	Gejage Aniket Ashok	aniketgejage06@gmail.com	7021341075	Human Speed sensor	Prof. Nisha Shelar
1	Bhosale Shubham Mangesh	bhosaleshubham0210@gmail.com	9324344198		
4	Kamble Dinesh Ganesh	dineshkmable292000@gmail.com	8928047330		
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6	Neman Anita Dattaram	nemananita1999@gmail.com	7700024284		
9	Patil Karan Dhanraj	infokaranpatil@gmail.com	9699028603		
13	Shewale Suraj Prahlad	surajbestar@gmail.com	8530699784		

Pravin
Project Coordinator



Sumit
Head of the Department

MINI PROJECT REPORT

On

**“Digital Temperature Sensor Circuit using 8051
Microcontroller”**

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

ELECTRONICS & TELECOMMUNICATION ENGINEERING

At

Atma Malik Institute of Technology & Research, Aghai



Submitted to

University of Mumbai, Mumbai

Prof. Deepak Baviskar

(Project Guide)

Submitted by

ANITA DATTARAM NEMAN

KARAN DHANRAJ PATIL

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING**

2023-24


**ATMA MALIK INSTITUTE OF TECHNOLOGY &
RESEARCH, AGHAI**


**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING**

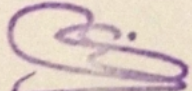


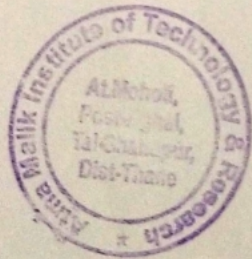
CERTIFICATE

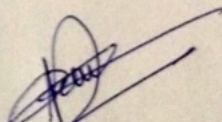
This is to certify that, "**ANITA NEMAN, KARAN PATIL**" have submitted a report on the basis of the project work on "**Digital Temperature Sensor Circuit using 8051**" of the subject Mini Project 2A, Sem V as prescribed by the University of Mumbai in the college during the academic year **2023-24**.


Deepak Baviskar
(Project Guide)


Prof. Sumit Kumar
(HOD-EXTC)


Dr. D. D. Shinde
(Principal)




External Examiner