



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



Accredited by NAAC with "A+" Grade | NBA - 6 UG Programmes

NAAC Criteria -1.3: Curriculum Enrichment

Project
work/Field
work/
Internships /
Project Based
Learning



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



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Internship



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



Approved by AICTE, New Delhi, Recognized by Government of Maharashtra
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC
(Id.No. PU/PN/Engg./093 (1992))

Accredited by NAAC with "A+" Grade | NBA - 6 UG Programmes

DEPARTMENT OF ELECTRICAL ENGINEERING

INTERNSHIP DETAILS 2022-23

Sr No	Name of Student	Name of Company	Internship Start Date	Internship End Date	Duration
1	ACHAL JAYANT TAPRE	MSEDCL (prakash bhavan)	05-12-2022	05-01-2023	32
2	AHIRE PRASAD KAILAS	Belrise Industries Pvt Ltd	11-12-2022	11-01-2023	32
3	AJIT BALASAHEB SAWARE	Neat wind industries limited	12-12-2022	31-01-2023	49
4	AMBHORE PIYUSH BABURAO	Belerise Industries Limited	05-12-2022	11-01-2023	38
5	ANIKET RANJAN SAHU	Central Railway	30-11-2022	31-12-2022	32
6	ASHTEKAR MANAS MUKUND	Proexcel System Industrial Automation & Engg. Services.	01-12-2022	29-12-2022	29
7	ATHAWALE SAHIL SANJAY	Vikarsh nano technology	08-12-2022	09-01-2023	31
8	BADHE ATHARVA VISHAL	Prakash bhavan	5/12/0022	5/1/0023	32
9	BAJARE YASHVARDHAN CHANDRAKANT	SoftGear System	05-11-2022	01-12-2022	28
10	BAVISKAR DIPTESH SUDHIR	BHARAT WIRE ROPE	02-12-2022	02-01-2023	32
11	BHOI DATTARAJ ARUN	The training centre,MSEDCL ,Prakash Bhavan, pune	05-12-2022	05-01-2023	32
12	BHOITE VAIBHAV TATYASAHEB	SOFTGEAR SYSTEMS	01-12-2022	31-12-2022	31
13	BONDE BHUVANESH RAJENDRA	Rampushpa Electricals	29-11-2022	24-12-2022	26
14	BORUDE NIKHIL MITTHU	A-One Engineering Services	05-12-2022	05-01-2023	32
15	CHAVHAN SWARAJ SING BHARATSING	PROEXCEL SYSTEM	06-12-2022	04-01-2023	30
16	DESHMUKH NIRAJ NAGORAO	Belrise Industries Limited	12-12-2022	11-01-2023	31
17	GAIKWAD SACHIN GANESH	MSEDCL NANDED	08-12-2022	23-01-2023	46
18	GANGE JAYDEEP RAHUL	SOFTGEAR SYSTEMS	01-12-2022	31-12-2022	31
19	GHORPADE VISHAL LAXMAN	Belrise Industry limited	01-12-2022	31-12-2022	31
20	GIRI ANJALI VISHWANATH	Belrise Industries Limited	05-12-2022	09-01-2023	36
21	GITE ISHA GANESH	MSEDCL	06-01-2023	20-01-2024	14
22	GOLE SAHIL JAYWANT	Intangles lab pvt ltd	23-01-2023	15-02-2023	21
23	HAFIEZA AKBAR ATTAR	A-One Engineering Services	01-12-2022	01-01-2023	32
24	HATKANGANE AKASH DNYANESHWAR	MSEDCL 33/11 kv ellora sub station	05-12-2022	04-01-2023	31
25	JADHAV TEJAS BHAUSAHEB	Protect power	03-11-2022	02-12-2022	31
26	JADHAV TEJAS SANTOSH	SHIVHARSHAD ELECTRICAL (GOVT. ELECTRICAL CONTRACTOR)	05-12-2022	07-01-2023	34
27	KADAM ATHARVA ARUN	MSEDCL,Karad	05-12-2022	04-01-2023	31
28	KADAM YOGESHRI SURESH	Belrise industries limited (badve engineering grp)	12-12-2022	09-01-2023	29
29	KAKADE KUNAL BHASKAR	Karmyogi Kundlikrao Ramrao Jagtap Patil Kukadi SSK Ltd	08-12-2022	30-01-2023	54
30	KESARKAR ANKITA ANANDA	MSEDCL,GANESHKHIND,PUNE	05-12-2022	05-01-2023	32

Sr No	Name of Student	Name of Company	Internship Start Date	Internship End Date	Duration
31	KULKARNI NAKSHATRA NACHIKET	Belrise Industries Ltd.		09-01-2023	
32	KUMBHAR ADITYA PRAKASH	Belrise industry	12-12-2022	09-01-2023	29
33	LAMBHATE SAGAR VIJAY	Silverline Electrical Pvt.Ltd.	01-12-2022	31-12-2022	31
34	LOKHANDE SANJANA VIJAY	SNABCO INDUSTRIES	01-12-2022	31-12-2022	31
35	MAGAR KUNAL RAJENDRA	SRSSSS LTD	01-06-2022	29-06-2023	28
36	MANE DIGVIJAY TANAJI	MSEDCL	05-12-2022	05-01-2023	32
37	MARWADKAR MADHAVI BAPURAV	A-ONE ENGINEERING SERVICES	01-12-2022	01-01-2023	32
38	MHETRE KAJAL BALASO	Belrise Pvt Ltd.	12-12-2022	09-01-2023	29
39	MISAL PRATIK SANJAY	Silverline electricals pvt ltd	01-12-2022	10-01-2023	39
40	MOHITE SANIKA DINESH	Sakshi elec nd electronics	02-12-2022	30-12-2022	28
41	MORE MITESH JAYWANT	Belrise Industries Limited	01-01-2023	30-01-2023	31
42	MORE VAIBHAV ANIL	MSEDCL	05-12-2022	05-01-2023	32
43	NABEDA CHAITANYA BHIKCHAND	WinOne Product Technologies	05-12-2022	04-02-2023	31
44	NABEDA CHAITANYA BHIKCHAND	WinOne Product Technologies	02-12-2022	10-01-2023	40
45	NAGARKAR DARSHANA MANGESH	Vikarsh Nano Technology and alloys Pvt. Ltd.	07-12-2022	09-01-2023	34
46	PANDAV DIPTI KESHAV	Suntake solar system	05-12-2022	31-12-2022	27
47	PATIL ABHISHEK ARVIND	mahadiscom	02-12-2022	30-12-2022	26
48	PATIL ABHISHEK ARVIND	MSDE	02-12-2022	30-12-2022	28
49	PATIL ANURAG SANJAY	Belrise Industries Pvt. Ltd.	01-12-2022	31-12-2022	31
50	PATIL CHAITANYA UMESH	Rashtriya Chemical Fertilizers Ltd.	12-12-2022	12-02-2023	62
51	PAWAR SHREYAS VIJAY	MSEDCL(Prakash Bhavan),SB Road, Ganeshkhind, Pune	05-12-2022	05-01-2023	31
52	RANE PRATHMESH CHARUDATTA	Belrise Industries Limited	05-12-2022	11-01-2023	38
53	RAUT SAURABH ANNA	Maharashtra state Electricity Distribution Co. Ltd. 33/11 K.V Hiware Sub Station.	02-12-2022	31-12-2022	30
54	SAPATE ANIRUDDHA UTTAM	A1 Engineering Services	01-12-2022	01-01-2023	32
55	SAPRE ATHARVA MORESHWAR	Sigma Electric Manufacturing corporation Pvt Ltd	01-12-2022	31-12-2022	31
56	SARVADE SAHIL RISHIKESH	Belrise industries	01-12-2022	31-12-2022	31
57	SAWANT SHIVAM VINAYAK	POWER CABLE SOLUTIONS	05-12-2022	31-12-2022	27
58	SHINDE RANJITSINH BHARAT	Softgear systems	01-12-2022	31-12-2022	31
59	SHIRULE KEYUR GOPAL	Belrise Industries Limited	01-01-2023	30-01-2023	30
60	SOSHTE KAUSTUBH RAJAN	Belrise Industries Ltd.	12-12-2022	09-01-2023	29
61	TAMBULE AMAR RAMESH	SNABCO INDUSTRIES	01-12-2022	30-12-2022	30
62	THAKARE JUHI VINOD	SBABCO INDUSTRY	01-12-2022	30-12-2022	30
63	THORAT NIKHIL NANASO	MSEDCL	5/12/0023	5/1/0023	32
64	THORAT SAKSHI RAJENDRA	MSEDCL Prakash Bhawan Ganeshkhind Pune	05-12-2022	05-01-2023	32
65	UGALE ADINATH GANESH	A Associates	19-12-2022	04-02-2023	48
66	WAGHALE HARSHAL SANJAY	Jagdamba Electricals & Engg Works	01-12-2022	04-02-2023	64
67	WAGHMARE NUPUR MUKINDA	Navmi Electricals	03-12-2022	27-12-2022	25
68	WAGHMARE SHEJAL SANJAY	Sakalgaonkar engineering and associates	19-12-2022	31-01-2023	44
69	WAGHMODE VIVEK GOPAL	vishwang electrospace	12-12-2022	02-02-2023	62
70	YADAV RAVI MAHRAJ DIN	Belrise Industries	28-12-2022	27-01-2023	31


 Head
 Electrical Engg Dept

Department of Electrical Engineering
 AISSMS College of Engineering, Pune



MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED

(A Govt. of Maharashtra undertaking)

CIN : U40109MH20055GC153645

Small Training Center, Ganeshkhind Urban Circle, Ground Floor, "Prakash Bhavan", S.B. Road,
Ganeshkhind, Pune-411016

Email: stcpunezone@gmail.com

Website: www.mahadiscom.in

DyEE/STC/ MoU / Trg

Date :-

To,
The Head Of Department
AISSMS College of Engineering
Pune – 411001.

Sub: Training to students under MoU Activity

Ref: Your letter dtd 30/11/2022.

With reference to the above letter, following students attended MSEDCL, Training Center Pune from dt.01.12.2022 to 31.01.2023 (with gap during exam period 06.01.23 to 20.01.23) and have completed training at Small Training Center, MSEDCL, Pune under MOU activity between MSEDCL and AISSMS COE PUNE.

1. Achal Tapre
2. Atharva Badhe
3. Dattaraj Bhoi
4. Ankita Kesarkar
5. Vaibhav More
6. Shreyas Pawar
7. Sakshi Thorat

During the training, following topics have been covered from academic point of view.

- Understanding of Power Sector Scenario(India and Maharashtra)
- Study of working of MSEDCL
- Study of MSEDCL facilities like Mobile App, CCCC,CFC, online services etc for the consumers.
- Study of Roof Top System
- Site visit to MSEDCL EV Charging Station
- Study of Electrical Safety for employees and consumers.
- Visit to MSEDCL Meter testing Lab, Shivajinagar.


Santosh Patani

Deputy Executive Engineer,

STC, MSEDCL PUNE

M.S.E.D.C.L., RPUC., Pune

Copy S.W.R.To

- The Chief General Manager (T&S), Eklahare, Nashik.
- The Chief Engineer, MSEDCL,Pune.
- The Superintending Engineer, Ganeshkhind Circle, Pune



A Associates

Dharmaraj chowk , Akurdi,

Pune

Certificate Of Internship

Name : Ugale Adinath Ganesh

Institution : AISSMS COLLEGE OF ENGINEERING

Branch : ELECTRICAL ENGINEERING

Period of Training : 4 WEEKS

Start : 19/12/2022

End : 04/02/2023

Leave Taken During Training : 00 DAYS

Off and Holidays : 4 DAYS

Nature of Training : Designing of Electrical Systems, Estimation and costing, Installation, Supervising

Remarks-

He possesses Good moral Character and sound knowledge as an electrical engg. Student.

Thanks & regards

A Associate

08/02/2023

A ASSOCIATE

Proprietor

Date: 06 June 2023

Ref. No.: Bel-Int-2313

TO WHOMSOEVER IT MAY CONCERN

This is to certify that following group of students of AISSM's college of engineering, Pune have successfully completed the internship in the field of '**Benchmarking of E-Bike/Scooter Motor Specification**' from January 01, 2023 to January 30, 2023 under guidance of Mr. Prashant Vishwakarma.

- Keyur Shirule
- Mitesh More
- Niraj Deshmukh
- Piyush Ambhore

During the period of their internship program with us, they worked on and had been given exposure of to market intelligence and competition assessment, benchmarking for various EV components including Motor, Motor controller, Battery and BMS.

The group was found diligent, hardworking and inquisitive.

We wish them success in their future career.

For Belrise Industries,



Mr. Ashish Deshpande

Group CTO
Belrise Industries Ltd.
Pune, India



A Associates

Dharmaraj chowk , Akurdi,

Pune

Certificate Of Internship

Name : Ugale Adinath Ganesh

Institution : AISSMS COLLEGE OF ENGINEERING

Branch : ELECTRICAL ENGINEERING

Period of Training : 4 WEEKS

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He possesses Good moral Character and sound knowledge as an electrical engg. Student.

Thanks & regards

A Associate

08/02/2023

A ASSOCIATE

Proprietor

CERTIFICATE

CENTRAL RAILWAY



Office of the,
Sr. Divisional Electrical Engineer
(Traction Rolling Stock)
Bhusawal.

No. BSL/TRS/BTC/06


Date: 31/12/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ANIKET RANJAN SAHU** of 3RD Year **ELECTRICAL ENGINEERING OF AISSMS COLLEGE OF ENGINEERING, PUNE** has reported for the in-plant training programme in ELECTRIC LOCO SHED BHUSAWAL on dated **30/11/2022**.

He has completed the in-plant training in Electric Loco shed Bhusawal successfully from **Date 30/11/2022 TO 31/12/2022** and Submitted his project report in Electric Loco shed Bhusawal.

He has followed the rules and regulation of the Railway during his training.


(SAURABH GOYAL)

Divisional Electrical Engineer
Traction Rolling Stock, Bhusawal.

प. विजली इंजिनीअर, (फवस्टॉ)

फवस्टॉ रेल, भुसावळ

Divl. Elect. Engineer (TRS)

C. Ry. Bhusawal



SNABCO INDUSTRIES

Manufacturer of Sheet Metal Press Parts | Fabrication & Tool Room Jobs | Electrical HT & LT Projects and Maintenance

S.No. 150, S/1078, MIDC Road, Morwadi, Mhada, Pimpri, Pune - 411 018.

Mob : +91 7770048777, +91 7770093777, Email : snabcoindustries@gmail.com

Date :

CERTIFICATE

This is to certify that **"SANJANA VIJAY LOKHANDE"**

Student of Bachelor of Electrical Engineering of ALL INDIA Shri Shivaji Memorial Society College Of Engineering Pune - 411001. Has completed Industrial Training Successfully Dated from 01/12/2022 to 30/12/2022 during academic year 2022 – 2023 as partial fulfilment of their course

Place – Pune

Regards,

Mr. S.N Bansode

Supervisor, SNABCO

Industries, Pune.

S.N. Bansode
(Proprietor)



BHARAT WIRE ROPES LTD.

Registered Office & Factory: Plot No.4, MIDC, Chalisgaon Industrial Area, Village - Khadki, Taluka - Chalisgaon,
District - Jalgaon - 424101, Maharashtra, India



This is to certify that **Mr. Diptesh Sudhir Baviskar**. A student of Electrical engineering Department has successfully completed, Internship From 2nd December 2022 to 2nd January 2023 at our firm.

During the period of his internship with us, he has Worked Troubleshooting Grease Heater Electrical Maintenance, Chalisgaon.

He was found punctual, hardworking and inquisitive

We wish him every success in life.

Date: 03/01/2023

Place: Chalisgaon



Lloyd's
Register



Corporate Office: A - 701, Trade World Building, Kamala Mills Compound, SB Marg, Lower Parel (W), Mumbai - 400013,
Maharashtra, India. Tel: +91 22 66824600

• Website: www.bharatwireropes.com • E-mail: mtccg@bharatwireropes.com • CIN : L27200MH1986PLC04046



Sakshi

Electricals & Electronics

Ref No. SEE/22-23/46

Date: - Jan 2nd 2023

To,

The Head Of Department,
AISSMS College of Engineering,
Pune-411001

Subject: - Internship Certificate.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. Sanika Dinesh Mohite was doing internship with "Sakshi Electricals & Electronics Services" Pune w.e.f. 02/12/2022 to 30/12/2022, she has completed her one month's internship under Mr.Sunil Pisal. She was found sincere hardworking and active at all levels of profession. We wish her all the best for her future endeavours.

With Regards,

For Sakshi Electricals & Electronics.





Sakshi

Electricals & Electronics

Ref No. SEE/22-23/46

Date: - Jan 2nd 2023

To,

The Head Of Department,
AISSMS College of Engineering,
Pune-411001

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With Regards,

For Sakshi Electricals & Electronics.



Date: 06 June 2023

Ref. No.: Bel-Int-2313

TO WHOMSOEVER IT MAY CONCERN

This is to certify that following group of students of AISSM's college of engineering, Pune have successfully completed the internship in the field of '**Benchmarking of E-Bike/Scooter Motor Specification**' from January 01, 2023 to January 30, 2023 under guidance of Mr. Prashant Vishwakarma.

- Keyur Shirule
- Mitesh More
- Niraj Deshmukh
- Piyush Ambhore

During the period of their internship program with us, they worked on and had been given exposure of to market intelligence and competition assessment, benchmarking for various EV components including Motor, Motor controller, Battery and BMS.

The group was found diligent, hardworking and inquisitive.

We wish them success in their future career.

For Belrise Industries,



Mr. Ashish Deshpande

Group CTO
Belrise Industries Ltd.
Pune, India

Date: 06 June 2023

Ref. No.: Bel-Int-2313

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Mr. Ashish Deshpande

Group CTO
Belrise Industries Ltd.
Pune, India

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For Belrise Industries,



Mr. Ashish Deshpande

Group CTO
Belrise Industries Ltd.
Pune, India

CERTIFICATE OF INTERNSHIP



SPECIALITIES :

- L.T./H.T. (Upto 33kv) Underground Cable Fault Location.
- High Voltage Pressure Testing of Power Cables
- Cable Rout Test/ Identification
- Supply and Installation of All Types of Joint Kits

**POWER
CABLE SOLUTIONS**

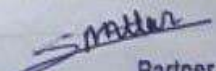
LICENCED ELECTRICAL CONTRACTOR M.C. No.27528

Experience certificate

This is to certify that, Mr. Shivam Vinayak Sawant, a student of "Electrical Engineering" from AISSMS College of Engineering, 1 Kennedy Road, Near R.T.O., Pune, Maharashtra has completed his training at Power cable solutions, Pisoli Pune from 05.12.2022 to 31.12.2022. During the training period his code and conduct were good.

We wish him all the best for his better future.

For POWER CABLE SOLUTIONS


Partner

BHARAT WIRE ROPES LTD.

Registered Office & Factory: Plot No.4, MIDC, Chalisgaon Industrial Area, Village - Khadki, Taluka - Chalisgaon,
District - Jalgaon - 424101, Maharashtra, India



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Date: 03/01/2023

Place: Chalisgaon



Lloyd's
Register



Corporate Office: A - 701, Trade World Building, Kamala Mills Compound, SB Marg, Lower Parel (W), Mumbai - 400013,
Maharashtra, India. Tel: +91 22 66824600

• Website: www.bharatwireropes.com • E-mail: mtccg@bharatwireropes.com • CIN : L27200MH1986PLC04046



MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED
(A Govt. of Maharashtra undertaking)
CIN : U40109MH20055GC153645

Small Training Center, Ganeshkhind Urban Circle, Ground Floor, "Prakash Bhavan", S.B. Road,
Ganeshkhind, Pune-411016

Email: stcpunezone@gmail.com

Website: www.mahadiscom.in

DyEE/STC/ MoU / Trg

Date :- 21/02/23

To,
The Head Of Department
AISSMS College of Engineering
Pune – 411001.

Sub: Training to students under MoU Activity


Ref: Your letter dtd 30/11/2022.

With reference to the above letter, following students attended MSEDCL, Training Center Pune from dt.01.12.2022 to 31.01.2023 (with gap during exam period 06.01.23 to 20.01.23) and have completed training at Small Training Center, MSEDCL, Pune under MOU activity between MSEDCL and AISSMS COE PUNE.

1. Achal Tapre
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4. Ankita Kesarkar
5. Vaibhav More
6. Shreyas Pawar
7. Sakshi Thorat

During the training, following topics have been covered from academic point of view.

- Understanding of Power Sector Scenario(India and Maharashtra)
- Study of working of MSEDCL
- Study of MSEDCL facilities like Mobile App, CCCC,CFC, online services etc for the consumers.
- Study of Roof Top System
- Site visit to MSEDCL EV Charging Station
- Study of Electrical Safety for employees and consumers.
- Visit to MSEDCL Meter testing Lab, Shivajinagar.


Santosh Patani
Deputy Executive Engineer,
STC, MSEDCL PUNE
Dy. Executive Engineer
M.S.E.D.C.L., RPUC., Pune

Copy S.W.R.To

- The Chief General Manager (T&S), Eklahare, Nashik.
- The Chief Engineer, MSEDCL,Pune.
- The Superintending Engineer, Ganeshkhind Circle, Pune



MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED

(A Govt. of Maharashtra undertaking)

CIN : U40109MH20055GC153645

Small Training Center, Ganeshkhind Urban Circle, Ground Floor, "Prakash Bhavan", S.B. Road,
Ganeshkhind, Pune-411016

Email: stcpunezone@gmail.com

Website: www.mahadiscom.in

DyEE/STC/ MoU / Trg

Date :-

To,
The Head Of Department
AISSMS College of Engineering
Pune – 411001.

Sub: Training to students under MoU Activity

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- Study of Electrical Safety for employees and consumers.
- Visit to MSEDCL Meter testing Lab, Shivajinagar.


Santosh Patani

Deputy Executive Engineer,

STC, MSEDCL PUNE

M.S.E.D.C.L., RPUC., Pune

Copy S.W.R.To

- The Chief General Manager (T&S), Eklahare, Nashik.
- The Chief Engineer, MSEDCL,Pune.
- The Superintending Engineer, Ganeshkhind Circle, Pune



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



Accredited by NAAC with "A+" Grade | NBA - 6 UG Programmes

BE Project

BE Project

Sr. No	List of students undertaking project work
1	Ameya Kulkarni
2	Maithili Balkawade
3	Rushikesh Kajale
4	Gauri Khapre
5	Shreya Waghmare
6	Shruti Surajbansi
7	Neelansh Bhambhani
8	Pratik Ingle
9	Tushar Mali
10	Akshay Vairagal
11	Rohit Patil
12	Kiran Ravsaheb Rupanawar
13	Samarth Nirali
14	Ritesh naik
15	Prasad Patil
16	Hitesh Suryawanshi
17	Sarvesh Anil Bodhe
18	Laxmi Chaudhari
19	Sharwari Maske
20	Chirag Shah
21	Aarushi Mahajan
22	Pratik Mohire
23	Videh Warade
24	Pooja Dhabade
25	Venkat Rajarwad
26	Hrutuja Jiwane
27	Tejas Vakare
28	Supriya Darade
29	Sanket Borse
30	Sidharth Lahamge
31	Sumit Ghodake
32	Susmita Bansode
33	Pranali Krishna
34	Ruchika Meshram
35	Shivam Patil
36	Rohan Sonawane
37	Aniket Kinkar
38	Kunal Rajendra More
39	Arjun Prakash Taur
40	Manjit Manish More
41	Limaye Vaishnav
42	Lokhande Sakshi
43	Pakhare Mangesh Balasaheb
44	Jagadale Neha Vijay
45	Chavan Manav
46	Kalyankar Abhishek
47	Kirwale Saourabh


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Department of Electrical Engineering
AISSMS College of Engineering, Pune

48	Ingle Girish
49	Prafull yadav
50	Prathamesh Sampgaonkar
51	Doke rushikesh sanjay
52	Soumit debbarma
53	Wabale aditya sharad
54	Harshwardhan Chavan
55	Ansarali Nadaf
56	Ankit GULUMKAR
57	Mahesh karhe
58	Swapnali Holmukhe
59	Nivedita Kulkarni
60	Ritika Patil
61	Sakshi Pattewar
62	Utkarsha Yuvraj Chavan
63	Nilesh Limbaji Ghuge
64	Mahammadsakib Raju Sayyad
65	Kedar Raghuvir Urane
66	Abhijeet Khulesh Shinde
67	Suraj Dattaprasad Zanwar
68	Sameer Ravindra Shinde
69	Yogita Bapurao Madane
70	Chandgude Shreeyash

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**Department of Electrical Engineering
PROJECT**

CLASS -BE (Electrical)
SEM - I


AY: 2022-23

Date: 02/09/2022

Allotment of Guides for B.E project

The following faculty members will "Guide" the students for B.E Project stage I and II (403145 and 403152) respectively for AY 2022-23, Sem I and II.

Group No.	Roll No.	Name of Student	Name of the Guide (Faculty)
1	19EL024	Ameya Kulkarni	Prof. S R Lengade
	19EL003	Maithili Balkawade	
	19EL019	Rushikesh Kajale	
	19EL021	Gauri Khapre	
2	19EL050	Shreya Waghmare	Prof. R S Shinde
	19EL051	Shruti Surajbansi	
	19EL038	Neelansh Bhambhani	
	19EL015	Pratik Ingle	
3	19EL028	Tushar Mali	Prof. S Vadi
	19EL057	Akshay Vairagal	
	19EL042	Rohit Patil	
	18EL040	Kiran Ravsaheb Rupanawar	
4	19EL039	Samarth Nirali	Prof. S K Biradar


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	19EL037	Ritesh naik	
	19EL041	Prasad Patil	
	19EL054	Hitesh Suryawanshi	
5	19EL006	Sarvesh Anil Bodhe	Prof. V N Tarange
	19EL007	Laxmi Chaudhari	
	19EL030	Sharwari Maske	
	20EL314	Chirag Shah	
6	19EL001	Aarushi Mahajan	Prof. P Sankala
	19EL032	Pratik Mohire	
	19EL061	Videh Warade	
	20EL304	Pooja Dhabade	
7	19EL048	Venkat Rajarwad	Prof. V V Kulkarni
	19EL016	Hrutuja Jiwane	
	19EL058	Tejas Vakare	
	19EL009	Supriya Darade	
8	17EL008	Sanket Borse	Prof. S Vadi
	18EL025	Sidharth Lahamge	
	19EL012	Sumit Ghodake	
	19EL004	Susmita Bansode	
9	19EL023	Pranali Krishna	Prof. Manoj Kar
	19EL031	Ruchika Meshram	
	19EL043	Shivam Patil	
	19EL052	Rohan Sonawane	
10	17EL054	Pranjal Yede	Prof. A A Apte
	19EL049	Rithik Rajan	
	19EL017	Junaid Javaid Ganai	
	19EL005	Sarvesh Bhusari	
11	18EL013	Anushka Gaikwad	Prof. V V Kulkarni
	19EL027	Advait Mahadik	
	19EL002	Adarsh Vishwakarma	


Head

	19EL029	Pushkar Malpani	
12	19EL044	Viraj Patil	Prof. S R Lengade
	19EL045	Yash Patil	
	19EL046	Prafull yadav	
	19EL047	Prathamesh Sampgaonkar	
13	19EL011	Doke rushikesh sanjay	Prof. S K Biradar
	19EL010	Deshmukh om vinod	
	19EL053	Soumit debbarma	
	19EL060	Wabale aditya sharad	
14	19EL008	Harshwardhan Chavan	Prof. R S Shinde
	19EL036	Ansarali Nadaf	
	19EL013	Ankit GULUMKAR	
	19EL020	Mahesh karhe	
15	20EL307	Swapnali Holmukhe	Prof. A A Apte
	20EL309	Nivedita Kulkarni	
	20EL311	Ritika Patil	
	20EL312	Sakshi Pattewar	
16	20EL303	Utkarsha Yuvraj Chavan	Prof. V S Ponshe
	20EL306	Nilesh Limbaji Ghuge	
	20EL313	Mahammadsakib Raju Sayyad	
	20EL317	Kedar Raghuvir Urane	
17	20EL315	Abhijeet Khulesh Shinde	Prof. S S Mujawar
	20EL318	Suraj Dattaprasad Zanwar	
	20EL316	Sameer Ravindra Shinde	
	16EL026	Yogita Bapurao Madane	
18	20EL302	Chandgude Shreeyash	Prof. S S Mujawar
	20EL305	Dhok Payal Doma	
	20EL310	Mali Pranali	
	20EL301	Bhosale Madhavi	
19	19EL022	Aniket Kinkar	Prof. L S Godse

Head

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	19EL033	Kunal Rajendra More	
	19EL055	Arjun Prakash Taur	
	19EL034	Manjit Manish More	
20	19EL025	Limaye Vaishnav	Prof. P Sankala
	19EL026	Lokhande Sakshi	
	19EL040	Pakhare Mangesh Balasaheb	
	20EL308	Jagadale Neha Vijay	
21	18EL011	Chavan Manav	Prof. V N Tarange
	18EL020	Kalyankar Abhishek	
	18EL023	Kirwale Saourabh	
	19EL014	Ingle Girish	

Committee Members:

Prof. M H Dhend

Prof. SK Biradar

Prof. L S Godse



Project Co-ordinator



HOD

Head
Department of Electrical Engineering
AISSMS College of Engineering, Pune



Department of Electrical Engineering
PROJECT

CLASS -BE (Electrical)
SEM - I

AY: 2022-23

Date: 29/08/2022

Titles of the Project

Group No.	Roll No.	Name of Student	Title of the Project
1	19EL024	Ameya Kulkarni	Energy performance analysis of a commercial building
	19EL003	Maithili Balkawade	
	19EL019	Rushikesh Kajale	
	19EL021	Gauri Khapre	
2	19EL050	Shreya Waghmare	Automatic phase selector system for 3 phase supply
	19EL051	Shruti Surajbansi	
	19EL038	Neelansh Bhambhani	
	19EL015	Pratik Ingle	
3	19EL028	Tushar Mali	IoT based Face Mask Detection and Body Temperature
	19EL057	Akshay Vairagal	
	19EL042	Rohit Patil	
	18EL040	Kiran Ravsaheb Rupanawar	
4	19EL039	Samarth Nirali	Prototype of Adaptive Headlight System for cars
	19EL037	Ritesh Naik	
	19EL041	Prasad Patil	
	19EL054	Hitesh Suryawanshi	

5	19EL006	Sarvesh Anil Bodhe	Mision vision based intelligent quality check of Soyabean
	19EL007	Laxmi Chaudhari	
	19EL030	Sharwari Maske	
	20EL314	Chirag Shah	
6	19EL001	Aarushi Mahajan	Multistage DC to AC variable inverter with 120% load capacity
	19EL032	Pratik Mohire	
	19EL061	Videh Warade	
	20EL304	Pooja Dhabade	
7	19EL048	Venkat Rajarwad	Maharastra State Online Load Display System
	19EL016	Hrutuja Jiwane	
	19EL058	Tejas Vakare	
	19EL009	Supriya Darade	
8	17EL008	Sanket Borse	Automatic Fire Detection and Extinguishing System
	18EL025	Sidharth Lahamge	
	19EL012	Sumit Ghodake	
	19EL004	Susmita Bansode	
9	19EL023	Pranali Krishna	Stability analysis of power system incorporating facts controller
	19EL031	Ruchika Meshram	
	19EL043	Shivam Patil	
	19EL052	Rohan Sonawane	
10	17EL054	Pranjal Yede	
	19EL049	Rithik Rajan	
	19EL017	Junaid Javaid Ganai	
	19EL005	Sarvesh Bhusari	
11	18EL013	Anushka Gaikwad	
	19EL027	Advait Mahadik	
	19EL002	Adarsh Vishwakarma	
	19EL029	Pushkar Malpani	
12	19EL044	Viraj Patil	Implementation of Servo Motor Based Motion Control in Case of Sun Tracking for Prototype Solar Panel System
	19EL045	Yash Patil	

	19EL046	Prafull yadav	
	19EL047	Prathamesh Sampgaonkar	
13	19EL011	Doke rushikesh sanjay	DESIGN AND BUILDING A PROTOTYPE MODEL TO DEMONSTRATE UNDERWATER COMMUNICATION USING LI-FI TECHNOLOGY
	19EL010	Deshmukh om vinod	
	19EL053	Soumit debbarma	
	19EL060	Wabale aditya sharad	
14	19EL008	Harshwardhan Chavan	Third Eye For Blind
	19EL036	Ansarali Nadaf	
	19EL013	Ankit GULUMKAR	
	19EL020	Mahesh karhe	
15	20EL307	Swapnali Holmukhe	Multisatage variable DC to AC inverter with with VVVF drive with 120% overload capacity for goods carrier electric vehicle
	20EL309	Nivedita Kulkarni	
	20EL311	Ritika Patil	
	20EL312	Sakshi Pattewar	
16	20EL303	Utkarsha Yuvraj Chavan	Performance Improvement of Distribution Network by using DSTATCOM
	20EL306	Nilesh Limbaji Ghuge	
	20EL313	Mahammadsakib Raju Sayyad	
	20EL317	Kedar Raghuvir Urane	
17	20EL315	Abhijeet Khulesh Shinde	Motor Drive protection and data logging using IOT FOR electric goods carrier vehicle
	20EL318	Suraj Dattaprasad Zanwar	
	20EL316	Sameer Ravindra Shinde	
	16EL026	Yogita Bapurao Madane	
18	20EL302	Chandgude Shreeyash	Benchmarking of Switched Reluctance Motor with PMSM Motor.
	20EL305	Dhok Payal Doma	
	20EL310	Mali Pranali	

	20EL301	Bhosale Madhavi	
19	19EL022	Aniket Kinkar	Implementation and validation of cvt in electric ATV
	19EL033	Kunal Rajendra More	
	19EL055	Arjun Prakash Taur	
	19EL034	Manjit Manish More	
20	19EL025	Limaye Vaishnav	Design of Electric Two Wheeler
	19EL026	Lokhande Sakshi	
	19EL040	Pakhare Mangesh Balasaheb	
	20EL308	Jagadale Neha Vijay	
21	18EL011	Chavan Manav	Smart phone operated multipurpose agricultural robot
	18EL020	Kalyankar Abhishek	
	18EL023	Kirwale Saourabh	
	19EL014	Ingle Girish	


Project Co-ordinator


HOD

Head
Department of Electrical Engineering
AISSMS College of Engineering, Pune



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Accredited by NAAC with 'A+' Grade



Department of Electrical Engineering

B.E. (Electrical)

Project Record Book

Academic Year (2022 -2023)

Title of the Project

Smart Phone Operated Multi-Purpose Agricultural Robot

Name of the Students

Kirwale Saourabh Babasaheb (18EL023)

Kalyankar Abhishek Vitthalrao (18EL020)

Chavan Manav Santosh (18EL011)

Ingale Girish Sampatrao (19EL014)

Guide

Prof. V.N. Tarange

Group No: 21

Title of Project: Smart Phone Operated Multi-Purpose Agricultural Robot

Name of Student	Roll No.	Exam No.	Mobile No.	T.E. Result	Placement Status
Kirwale Saourabh Babasaheb	18EL023	T190212553	8070727272	7.54	Not Placed
Kalyankar Abhishek Vitthalrao	18EL020	T190212549	7219474724	7.92	Placed
Chavan Manav Santosh	18EL011	T190212513	7218195580	7.48	Placed
Ingale Girish Sampatrao	19EL014	T190212524	7378715513	7.52	Not Placed

In-house/Sponsored:

Sponsoring Authority: BitMap Technologies Pvt. Ltd, Pune

Mr . Vinod Thete

Type of sponsorship: Technical Sponsorship

Internal Guide: Prof. V.N. Tarange

External Guide:

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Department of Electrical Engineering

BE Project Calendar

Academic Year (2022 - 2023)

Sr.No.	Activity	Time Slot
Term-I		
1	Finalize Project Team	2nd Week of July
2	Submission of Project Synopsis	August
3	First Review by a faculty group	1 st week of October
4	First Term Oral Examination	1 st week of December
Term-II		
5	Second review by a faculty group	1 st week of February
6	Project Exhibition	2 nd week of April
7	Submission of Project Report	3 rd week of April
8	Project Final Examination	2 nd week of June



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Department of Electrical Engineering
AISSMS College of Engineering, Pune

Project Synopsis

Title of the Project:

Smart Phone Operated Multi-Purpose Agricultural Robot

Sponsorship: Bitmap Technology

Abstract: This robotic vehicle is an agricultural machine of a considerable power and great soil clearing capacity. This multipurpose system gives an advance method to sow, plow, water and cut the crops with minimum man power and labor making it an efficient vehicle. The machine will cultivate the farm by considering particular rows and specific column at fixed distance depending on crop. More- over the vehicle can be controlled through Bluetooth medium using an Android smart phone. The whole process calculation, processing, monitoring is designed with motors amp; components interfaced with micro controller. The primary goal in creating this robot was to simply make farming easier for farmers in the future. The fields of robotics and large-scale agriculture have seen several significant breakthroughs in the current situation. Both technologies are used in this essay.

Objective:

Objective of agriculture robots is to automate repetitive and labor-intensive task in farming operations. This can include activities such as planting seeds, harvesting crops and weeding fields by automating these task robots can increase efficiency, reduce task and reduce the burden on human labor

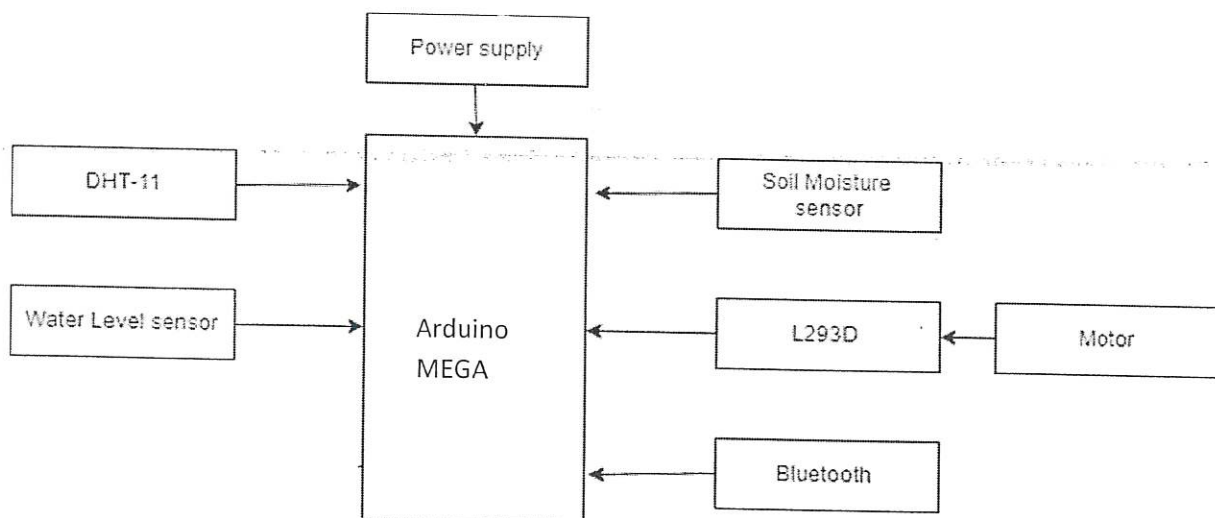
Specifications:

- 1) Compatibility:- The robot is compatible with both iOS and Android smartphones, allowing farmers to control and monitor the robot using a dedicated mobile application.



- 2) **Wireless Connectivity:** The robot should have built-in Wi-Fi or Bluetooth capabilities to establish a seamless connection with the smartphone. This enables real-time communication, data transfer, and remote control.
- 3) **Modular Design:** The robot should have a modular design that allows it to be easily configured and equipped with different attachments or tools for various agricultural tasks. These could include modules for planting, weeding, spraying, monitoring, or even small-scale harvesting
- 4) **Autonomous Navigation:** The robot is possessing advanced navigation and obstacle avoidance systems to move autonomously through the agricultural environment. It uses sensors like ultrasonic sensors to avoid obstacles.
- 5) **Sensing and Data Collection:** The robot is equipped with a variety of sensors, such as temperature and humidity sensors, or soil sensors. These sensors enable the robot to collect data about crops, soil conditions, and environmental factors to aid decision-making.

Block Diagram:



Requirement of Hardware/Software:

Component	Specifications
Arduino Mega	The 8-bit board with 54 digital pins, 16 analog inputs, and 4 serial ports
L293D	-Voltage Range: 4.5 V to 36 V. Thermal Shutdown
DHT-11	Good for 20-80% humidity readings Good for 0-50 °C temperature readings
Bluetooth Sensor	Operating Voltage: 4V to 6V (Typically, +5V) Operating Current: 30mA Range: <100m
Soil Moisture Sensor	Operating Voltage: 3.3V to 5V DC Operating Current: 15mA
Ultrasonic Sensor	Power Supply: 3.3V – 5V. Operating Current: 8mA. Working Frequency: 40Hz. Ranging Distance: 3cm – 350cm/3.5m

Reference Books/Papers/Internet sites

Sr. No.	Title of Book/ Paper	Author	Publisher	Other Details if any
1	Smart Agriculture Using Internet of Things	Ibrahim Mat, Mohamed Rawidean Mohd Kassim, Ahmad Nizar Harun, Ismail Mat Yusof	IEEE	
2	Hybridization of Agriculture Vehicles Using a Ride-on Lawn Mower.	Prof. Dr. Herbert Olbrich, Prof. Dr. Rainer Uhler, Prof. Dr. Raoul Zöllner	IEEE	
3	Automated-Robotic Moisture In Agriculture Field	P.Senthil, I.S.Akila.	IEEE	
4	DTMF Based Intelligent Farming Robotic Vehicle	Amritanshu Srivastava, Shubham Vijay, Alka Negi	International Conference on Embedded Systems	
5	Smart Farming Using IOT	T.K. Rana, Amandeep1, Arshia	978-1-5386- 3371- IEEE.	
6	Feeder Weeder for Autonomous Farming	Chethak, Deepika, Rohan D'Souza, Santhosh S	IEEE International Conference on Recent Trends in Electronics, Information Communication Technology.	
7	Intelligent Farming using Delta Robot	Shiva R, Vimal G, Lakshmi Joshitha K	2020 2nd International Conference on Power, Energy, Control and Transmission Systems.	

B.E.(Electrical) Project Progress Card

Title of the project: Smart Phone Operated Multi-Purpose Agricultural Robot

Name of the students:

1 Kirwale Saourabh Babasaheb
3 Chavan Manav Santosh

2 Kalyankar Abhishek Vitthalrao
4 Ingale Girish Sampatrao

Sponsor:

Guide (Internal) – Prof. V.N. Tarange

Contact No.:7020214011

Guide (External)-

Contact No.:

Date	Students present on the day	Time		Work Done / Remark	Signature of Int./Ext. Guide
		From	To		
20/08/2022	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb	10:30	12:30	Selection of Project Topic	
27/08/2022	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb	10:30	12:30	Topic Selection Preparing ppt for topic selection	
10/09/2022	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb	10:30	12:30	Discuss about the project flow and distribution of work load Making of Arduino simulation	

24/09/2022	1) Kalyankar Abhishek Vitthalrao 2) Kirwale Saourabh Babasaheb	10:30	12:30	using proteus	
19/11/2022	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb	10:30	12:30	Preparing for Stage-I Presentation	
11/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Ingale Girish Sampatrao	10:30	12:30	To Find a solution on image processing	
12/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb 4) Ingale Girish Sampatrao	10:30	12:30	Preparing for project Presentation-III	
18/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb 4) Ingale Girish Sampatrao	11:00	12:30	We explored the new technology that is ChatGPT for various programs and logics.	

Head

23/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb 4) Ingale Girish Sampatrao	11:30	02:00	We contacted Mr. Vinod Thete Sir about the hardware and its availability and concluded about the setup.
26/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb 4) Ingale Girish Sampatrao	10:30	12:30	Started working with the further major parts such as obstacle detector (ultrasonic sensor)

* Saturdays and Sunday, We were working with sponsored company [BitMap Technologies Pvt. Ltd.]



Head

**Department of Electrical Engineering
AISSMS College of Engineering, Pune**

Assessment Report:

A) Contributions:

a) Presented paper in Paper Presentation Competition : (Pl give details)

b) Participated in project Competition: (Pl give details)

c) Any other recognition:

Sir Biradar liked our essential project by deep in their heart.
Thank You.

Date: 24/02/2023

Sponsorship Letter

To Whom It May Concern:

Re: Official Sponsorship Approval Letter.

It is with great delight that Bitmap Technology has to extend an offer of sponsorship for

Students Below :

- Mr. Manav Santosh Chavan
- Mr. Abhishek Vitthalrao Kalyankar
- Mr. Saourabh Babasaheb Kirwale
- Mr. Girish Sampatrao Ingale

A Student Of Engineering And Technology," College All India Shree Shivaji Memorial Society's College Of Engineering" Is Official Recipient Of Under The Academic Project At BITMAP Technology!

Project Name: " Smart Phone Operated Multi-purpose Agriculture Robot ".

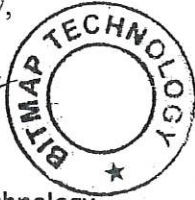
Here at Bitmap Technology Pvt. Ltd. Is a Software Service-based company, we are dedicated to fostering new talent and we believe that students has what it takes to make a huge impact. In return we ask that Students display BITMAP Technology promotional signs and literature throughout.

The Approval Consists Of Total Expenditure Required For Completion Of The Project.

I look forward to hearing from you soon so that we can move forward with this wonderful opportunity for BITMAP Technology and students.

Yours sincerely,


Vinod Thete.



For BITMAP Technology,

BITMAP Technology

4th Floor of Shree Siddhivinayak Building, Above CCD, 1,
Narhe Pune-411041, Mob No:-9607181257


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Department of Electrical Engineering

B.E. (Electrical)

Project Record Book

Academic Year (2022 -2023)

Title of the Project

Smart Phone Operated Multi-Purpose Agricultural Robot

Name of the Students

Kirwale Saourabh Babasaheb (18EL023)

Kalyankar Abhishek Vitthalrao (18EL020)

Chavan Manav Santosh (18EL011)

Ingale Girish Sampatrao (19EL014)

Guide

Prof. V.N. Tarange

1

[Signature]
Head

**Department of Electrical Engineering
AISSMS College of Engineering, Pune**

Group No: 21

Title of Project: Smart Phone Operated Multi-Purpose Agricultural Robot

Name of Student	Roll No.	Exam No.	Mobile No.	T.E. Result	Placement Status
Kirwale Saourabh Babasaheb	18EL023	T190212553	8070727272	7.54	Not Placed
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Ingale Girish Sampatrao	19EL014	T190212524	7378715513	7.52	Not Placed

In-house/Sponsored:


Sponsoring Authority: BitMap Technologies Pvt. Ltd, Pune

Mr . Vinod Thete

Type of sponsorship: Technical Sponsorship


Internal Guide: Prof. V.N. Tarange

External Guide:


Head
Department of Electrical Engineering
AISSMS College of Engineering, Pune

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Department of Electrical Engineering
BE Project Calendar
Academic Year (2022 - 2023)

Sr.No.	Activity	Time Slot
Term-I		
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5	Second review by a faculty group	1 st week of February
6	Project Exhibition	2 nd week of April
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Department of Electrical Engineering
AISSMS College of Engineering, Pune

Project Synopsis

Title of the Project:

Smart Phone Operated Multi-Purpose Agricultural Robot

Sponsorship: Bitmap Technology

Abstract: This robotic vehicle is an agricultural machine of a considerable power and great soil clearing capacity. This multipurpose system gives an advance method to sow, plow, water and cut the crops with minimum man power and labor making it an efficient vehicle. The machine will cultivate the farm by considering particular rows and specific column at fixed distance depending on crop. More- over the vehicle can be controlled through Bluetooth medium using an Android smart phone. The whole process calculation, processing, monitoring is designed with motors amp; components interfaced with micro controller. The primary goal in creating this robot was to simply make farming easier for farmers in the future. The fields of robotics and large-scale agriculture have seen several significant breakthroughs in the current situation. Both technologies are used in this essay.

Objective:

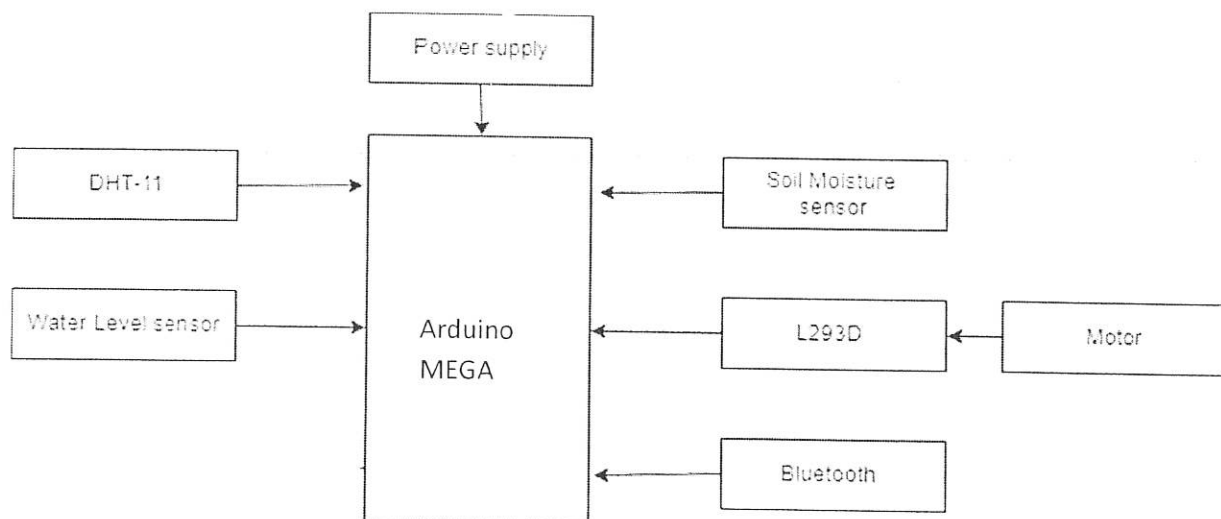
Objective of agriculture robots is to automate repetitive and labor-intensive task in farming operations. This can include activities such as planting seeds, harvesting crops and weeding fields by automating these task robots can increase efficiency, reduce task and reduce the burden on human labor

Specifications:

- 1) Compatibility:- The robot is compatible with both iOS and Android smartphones, allowing farmers to control and monitor the robot using a dedicated mobile application.

- 2) **Wireless Connectivity:** The robot should have built-in Wi-Fi or Bluetooth capabilities to establish a seamless connection with the smartphone. This enables real-time communication, data transfer, and remote control.
- 3) **Modular Design:** The robot should have a modular design that allows it to be easily configured and equipped with different attachments or tools for various agricultural tasks. These could include modules for planting, weeding, spraying, monitoring, or even small-scale harvesting
- 4) **Autonomous Navigation:** The robot is possessing advanced navigation and obstacle avoidance systems to move autonomously through the agricultural environment. It uses sensors like ultrasonic sensors to avoid obstacles.
- 5) **Sensing and Data Collection:** The robot is equipped with a variety of sensors, such as temperature and humidity sensors, or soil sensors. These sensors enable the robot to collect data about crops, soil conditions, and environmental factors to aid decision-making.

Block Diagram:



Requirement of Hardware/Software:

Component	Specifications
Arduino Mega	The 8-bit board with 54 digital pins, 16 analog inputs, and 4 serial ports
L293D	-Voltage Range: 4.5 V to 36 V. Thermal Shutdown
DHT-11	Good for 20-80% humidity readings Good for 0-50 °C temperature readings
Bluetooth Sensor	Operating Voltage: 4V to 6V (Typically, +5V) Operating Current: 30mA Range: <100m
Soil Moisture Sensor	Operating Voltage: 3.3V to 5V DC Operating Current: 15mA
Ultrasonic Sensor	Power Supply: 3.3V – 5V. Operating Current: 8mA. Working Frequency: 40Hz. Ranging Distance: 3cm – 350cm/3.5m

Reference Books/Papers/Internet sites

Sr. No.	Title of Book/ Paper	Author	Publisher	Other Details if any
1	Smart Agriculture Using Internet of Things	Ibrahim Mat, Mohamed Rawidean Mohd Kassim, Ahmad Nizar Harun, Ismail Mat Yusof	IEEE	
2	Hybridization of Agriculture Vehicles Using a Ride-on Lawn Mower.	Prof. Dr. Herbert Olbrich, Prof. Dr. Rainer Uhler, Prof. Dr. Raoul Zöllner	IEEE	
3	Automated-Robotic Moisture In Agriculture Field	P.Senthil, I.S.Akila.	IEEE	
4	DTMF Based Intelligent Farming Robotic Vehicle	Amritanshu Srivastava, Shubham Vijay, Alka Negi	International Conference on Embedded Systems	
5	Smart Farming Using IOT	T.K. Rana, Amandeep1, Arshia	978-1-5386- 3371- IEEE.	
6	Feeder Weeder for Autonomous Farming	Chethak, Deepika, Rohan D'Souza, Santhosh S	IEEE International Conference on Recent Trends in Electronics, Information Communication Technology.	
7	Intelligent Farming using Delta Robot	Shiva R, Vimal G, Lakshmi Joshitha K	2020 2nd International Conference on Power, Energy, Control and Transmission Systems.	

B.E.(Electrical) Project Progress Card

Title of the project: Smart Phone Operated Multi-Purpose Agricultural Robot

Name of the students:

1 Kirwale Saourabh Babasaheb
3 Chavan Manav Santosh

2 Kalyankar Abhishek Vitthalrao
4 Ingale Girish Sampatrao

Sponsor:

Guide (Internal) – Prof. V.N. Tarange

Contact No.:7020214011

Guide (External)-

Contact No.:

Date	Students present on the day	Time		Work Done / Remark	Signature of Int./Ext. Guide
		From	To		
20/08/2022	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb	10:30	12:30	Selection of Project Topic	
27/08/2022	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb	10:30	12:30	Topic Selection Preparing ppt for topic selection	
10/09/2022	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb	10:30	12:30	Discuss about the project flow and distribution of work load	
				Making of Arduino simulation	

24/09/2022	1) Kalyankar Abhishek Vitthalrao 2) Kirwale Saourabh Babasaheb	10:30	12:30	using proteus	
19/11/2022	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb	10:30	12:30	Preparing for Stage-I Presentation	
11/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Ingale Girish Sampatrao	10:30	12:30	To Find a solution on image processing	
12/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb 4) Ingale Girish Sampatrao	10:30	12:30	Preparing for project Presentation-III	
18/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb 4) Ingale Girish Sampatrao	11:00	12:30	We explored the new technology that is ChatGPT for various programs and logics.	

23/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb 4) Ingale Girish Sampatrao	11:30	02:00	We contacted Mr. Vinod Thete Sir about the hardware and its availability and concluded about the setup.
26/02/2023	1) Chavan Manav Santosh 2) Kalyankar Abhishek Vitthalrao 3) Kirwale Saourabh Babasaheb 4) Ingale Girish Sampatrao	10:30	12:30	Started working with the further major parts such as obstacle detector (ultrasonic sensor)

* Saturdays and Sunday, We were working with sponsored company [BitMap Technologies Pvt. Ltd.]

Assessment Report:

A) Contributions:

a) Presented paper in Paper Presentation Competition : (Pl give details)

b) Participated in project Competition: (Pl give details)

c) Any other recognition:

Sir Biradar liked our essential project by deep in their heart.
Thank You.

Date: 24/02/2023

Sponsorship Letter

To Whom It May Concern:

Re: Official Sponsorship Approval Letter.

With great pleasure, BitMap Technology has to extend an offer of sponsorship for

Students Below :

- Mr. Manav Santosh Chavan
- Mr. Abhishek Vitthalrao Kalyankar
- Mr. Saourabh Babasaheb Kirwale
- Mr. Girish Sampatrao Ingale

A Student Of Engineering And Technology,” College All India Shree Shivaji Memorial Society’s College Of Engineering” Is Official Recipient Of Under The Academic Project At BITMAP Technology!

Project Name: “ Smart Phone Operated Multi-purpose Agriculture Robot ”.

Here at Bitmap Technology Pvt. Ltd. Is a Software Service-based company, we are dedicated to fostering new talent and we believe that students has what it takes to make a huge impact. In return we ask that Students display **BITMAP Technology** promotional signs and literature throughout.

The Approval Consists Of Total Expenditure Required For Completion Of The Project.

I look forward to hearing from you soon so that we can move forward with this wonderful opportunity for **BITMAP Technology** and students.

Yours sincerely,


Vinod Thete.



For BITMAP Technology,

BITMAP Technology

4th Floor of Shree Siddhivinayak Building, Above CCD, 1,
Narhe Pune-411041, Mob No:-9607181257


Head
Department of Electrical Engineering
AISSMS College of Engineering, Pune



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CERTIFICATE

This is to certify that the work contained in the project Report/ Dissertation entitled
“Performance improvement of distribution network by using DSTATCOM”,
submitted by

Utkarsha Chavan (Regd. No.: B190212514)

Nilesh Ghuge (Regd. No.: B190212521)

Mahammadsakib Sayyad (Regd. No.: B190212570)

Kedar Urane (Regd. No.: B190212580)

for the award of the degree of **BE Electrical** to SPPU, is a record of bonafide work carried
out by her under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the
requirements of the rules and regulations relating to the nature of the degree. The contents
embodied in the thesis have not been submitted for the award of any other degree or
diploma in this or any other university.

Date: 21/6/2023

Place: Pune

Name & Signature of
Project Guide

Name & Signature of
Head of Department

Name & Signature of
Project Coordinator

Name & Signature of
External Examiner



ACKNOWLEDGEMENT

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CERTIFICATE

This is to certify that the work contained in the project Report entitled "PLC BASED COUNTING AND PACKAGING SYSTEM" is a bonafide work submitted by **SARVESH PRAVIN BHUSARI** Seat no. **B190212507** for the award of Degree of Bachelor of Engineering in "ELECTRICAL ENGINEERING" from Savitribai Phule University, Pune during the academic year 2022-23 carried out the project work under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

DATE: 02/06/2023

PLACE: PUNE

Prof. A A Apte

Project Guide

Electrical Engineering

External Examiner

Dr. A A Godbole

Head of department



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CERTIFICATE

This is to certify that the work contained in the project Report/ Dissertation entitled
“Design And Building Prototype Model To Demonstrate Underwater Communication
Using Li-Fi Technology ”, submitted by Om Vinod Deshmukh (72020948L), Aditya
Sharad Wabale (72021395K), Soumit Debbarma (72021346M), Rushikesh Sanjay Doke
(72020970G) for the award of the degree of **Electrical Engineering** to SPPU, is a record of
bonafide work carried out by him under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of
the rules and regulations relating to the nature of the degree. The contents embodied in the thesis
have not been submitted for the award of any other degree or diploma in this or any other
university.

Date: 02 June 2023

Place: Pune

Dr. S.K. Biradar
(Project Guide)

Dr. Ashwini Godbole
(Head of Department)

Prof. V.N. Tarange
(Project Coordinator)

Dr. Sunil Braikwael
(External Examiner)



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CERTIFICATE

This is to certify that the work contained in the project Report entitled “**Benchmarking of PMSM Motor with SRM Motor**”, submitted by

Bhosale Madhavi L.	(B190212506)
Chandgude Shreeyash S.	(B190212510)
Dhok Payal D.	(B190212501)
Mali Pranali B.	(B190212544)

for the award of the degree of **BE Electrical** to SPPU, is a record of bonafide work carried out by him/her under my direct supervision and guidance.

I considered that the project report has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the project report have not been submitted for the award of any other degree or diploma in this or any other university.

Date: 02/06/2023

Place: Pune

Prof. S. S. Mujawar
Project Guide

Prof. V. N. Tarange
Project Coordinator

Prof. A. G. Godbole
Head of Department

External Examiner

Chinmay Deshpande



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CERTIFICATE

This is to certify that the work contained in the project Report entitled “**Motor Drive Protection & Data Logging using IOT**” submitted by,

Abhijeet Khulesh Shinde[72162186E]

Suraj Dattaprasad Zanwar[72162189K]

Sameer Ravindra Shinde[72162187C]

for the award of the degree of BE Electrical to SPPU, is a record of bonafide work carried out by him under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in this have not been submitted for the award of any other degree or diploma in this or anyother university.

Date: 02/06/2023

Place: Pune

Name & Signature of

Prof. S.S. Mujawar.

Name & Signature of

Prof. A. A. Godbole

Name & Signature of

Prof. V.N.Tarange.

Name & Signature of 2/6/23

External Examiner

Chinmay Deshpande



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This is to certify that the work contained in the project Report/ Dissertation entitled
"Design of an Electric Two wheeler", submitted by

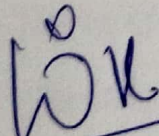
Jagadale Neha Vijay	B190212526
Lokhande Sakshi Ganesh	B190212540
Limaye Vaishnav Vinayak	B190212539
Pakhare Mangesh Balasaheb	B190212555

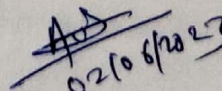
for the award of the degree of **BE in Electrical Engineering** to SPPU, is a record of
bonafide work carried out by him/her under my direct supervision and guidance.

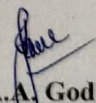
I considered that the thesis has reached the standards and fulfilling the requirements
of the rules and regulations relating to the nature of the degree. The contents embodied in the
thesis have not been submitted for the award of any other degree or diploma in this or any other
university.

Date: 02/06/2023

Place: Pune


Mrs. P.K. Sankala
Project Guide
02/06/2023


External Examiner
02/06/2023


Dr. A.A. Godbole
Head of Department



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CERTIFICATE

This is to certify that the work contained in the project Report entitled "Multistage variable DC to AC inverter with VVVF drive for 120% overload capacity for goods carrier electric vehicle." submitted by

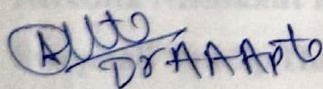
Name of the student	Exam Seat No.
Swapnali Sandip Holmukhe	72162178D
Nivedita Nishikant Kulkarni	72162180F
Ritika Nitin Patil	72162182B
Sakshi Ramdas Pattewar	72162183L

for the award of Degree of Bachelor of Engineering in "ELECTRICAL ENGINEERING" to Savitribai Phule University, Pune is a record of bonafide work carried out by them under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

Date: 02/06/23

Place: Pune


Name & Signature of
Project Guide

Sakshi Ramdas Pattewar


Name & Signature of
Project Coordinator


Name & Signature of
Head of Department


Name & Signature of
External Examiner

AISSMS COE Pune BE (Electrical)



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CERTIFICATE

This is to certify that the work contained in the project Report/ Dissertation entitled "Prototype of Adaptive Headlight System for cars", submitted by

NAIK RITESH PRAVIN	19EL037
NIRALI SAMARTH ANIL	19EL039
PATIL PRASAD PRAVIN	19EL041
SURYAWANSHI HITESH RAJESH	19EL054

for the award of the degree of "ELECTRICAL ENGINEERING" to SPPU, is a record of bonafide work carried out by him/her under my direct supervision and v guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

Date:

Place:

Prof. S. K. Biradar
Name & Signature of
Project Guide

Dr. A. A. Godbole
Name & Signature of
Head of Department

Prof. V.N. Tarange
Name & Signature of
Project Coordinator

Dr. Sonil Godbole
Name & Signature of
External Examiner



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CERTIFICATE

This is to certify that the project work entitled “**Third Eye For Blind**” is a bonafide work carried out by

Harshwardhan Chavan	72020919G
Mahesh Karhe	72021077B
Ansarali Nadaf	72021180J
Ankit Gulumkar	72021016L

A.Y. 2022-23

in partial fulfillment for the award of Degree of Bachelor of Engineering in “**ELECTRICAL ENGINEERING**” from Savitribai Phule Pune University, Pune during the academic year 2022-2023 who carried out the project work under my guidance. I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree.

Date:

Place: PUNE

Prof. R.S. Shinde
Project Guide

Dr. A.A. Godbole
Head of Department

Prof. V.N. Tarange
Project Coordinator

External Examiner



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CERTIFICATE

This is to certify that the work contained in the project “**Benchmarking and Energy Performance Analysis of a Commercial Building**”, submitted by

Maithili Balkawade

B190212504

Ameya Kulkarni

B190212536

Gauri Khapre

B190212533

Rushikesh Kajale

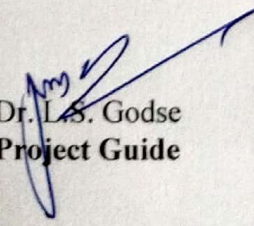
B190212529

for the award of the degree of Bachelor of Engineering in Electrical Engineering to SPPU, is a record of bonafide work carried out by him/her under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

Date:

Place:


Dr. L.S. Godse
Project Guide


External Examiner



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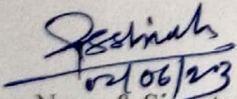
CERTIFICATE

This is to certify that the work contained in the project Report/ Dissertation entitled "Automatic Phase Selector System for Three Phase Supply", submitted by **Shruti Surajbansi (Regd. No.: 72021349F)** **Shreya Waghmare (Regd. No.: 72021334H)** **Neelansh Bhambhani (Regd. No.: 72021191D)** **Pratik Ingle (Regd. No.: 72021029B)** for the award of the degree of **Bachelor of Engineering** to SPPU, is a record of bonafide work carried out by him/her under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

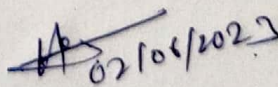
Date: 02/05/2023

Place: Aissms College of Engineering Pune


02/06/23
Name & Signature of
Project Guide


Name & Signature of
Head of Department


Name & Signature of
Project Coordinator


02/06/2023
Name & Signature of
External Examiner



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CERTIFICATE

This is to certify that the work contained in the project report entitled "Automatic Fire Detection and Extinguishing System" submitted by

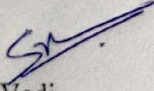
Bansode Susmita Pandurang	B190212505
Borse Sanket Somnath	B190212509
Ghodake Sumit Suhas	B190212520
Lahamge Sidharth Deepak	B190212538


for the award of the degree of Bachelor of Engineering in Electrical Engineering to SPPU, is a record of bonafide work carried out by him under my direct supervision and guidance.


I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

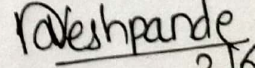
Date: 02-06-2023

Place: Pune


Prof. S. Vadi
Project Guide


Dr. A. A. Godbole
Head of Department


Prof. V. N. Tarange
Project Coordinator


Chinmay Deshpande
2/6/23
External Examiner

Chinmay Deshpande

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This is to certify that the work contained in the project Report/ Dissertation entitled
"Implementation and Validation of Continuously Variable Transmission for Electric
ATV", submitted by

Aniket Ramchandra Kinkar

B190212533

Kunal Rajendra More

B190212549

Manjit Manish More

B190212550

Arjun Prakash Taur

B190212579

for the award of the degree of Bachelor of Engineering in "ELECTRICAL
ENGINEERING to SPPU, is a record of bonafide work carried out by him/her under my direct
supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements
of the rules and regulations relating to the nature of the degree. The contents embodied in the
thesis have not been submitted for the award of any other degree or diploma in this or any other
university.

Date:

Place:

Name & Signature of
Project Guide

Name & Signature of
Head of Department

Name & Signature of
Project Coordinator

Name & Signature of
External Examiner



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Accredited by NAAC with 'A+' Grade



CERTIFICATE

This is to certify that the work contained in the project Report entitled “**MACHINE VISION BASED INTELLIGENT QUALITY CHECK OF SOYABEAN**”, submitted by **Sarvesh Bodhe, Laxmi Chaudhari, Sharwari Maske, Chirag Shah** for the award of the degree of **Bachelors of Engineering – Electrical Engineering** to SPPU, is a record of bonafide work carried out by them under my direct supervision and guidance.

I considered that the report has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the report have not been submitted for the award of any other degree or diploma in this or any other university.

Date:

Place:

Name & Signature of
Project Guide

Name & Signature of
Project Coordinator

Name & Signature of
Head of Department

2/6/23

Name & Signature of
External Examiner

Chinmay Deshpande



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COLLEGE OF ENGINEERING

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Accredited by NAAC with "A+" Grade



CERTIFICATE

This is to certify that the work contained in the project report entitled "IoT Based Face Mask Detection and Body Temperature Sensing" submitted by

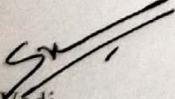
Mali Tushar Bhausahab	B190212545
Patil Rohit Tatyasaheb	B190212558
Rupanawar Kiran Ravsaheb	B190212569
Vairagal Akshay Narsing	B190212581

for the award of the degree of Bachelor of Engineering in Electrical Engineering to SPPU, is a record of bonafide work carried out by him under my direct supervision and guidance.

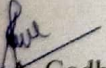
I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

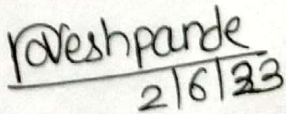
Date: 02/06/23

Place: Pune


Prof. S. Vadi
Project Guide


Prof. V. N. Tarange
Project Coordinator


Dr. A. A. Godbole
Head of Department


2/6/23
External Examiner
Chinmay Deshpande



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Approved by AICTE, New Delhi, Recognized by
Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University
and recognized 2(f) and 12(B) by UGC (Id.No. PU / PN/ Engg. / 093 (1992)
Accredited by NAAC with 'A+' Grade



CERTIFICATE

This is to certify that the work contained in the project Report/ Dissertation entitled "Implementation of servo motor-based motion control system in case of sun tracking for prototype solar panel system", submitted by Viraj Ravikiran Patil (Regd. No.: 72021232E), Yash Bhausahab Patil (Regd. No.: 72021233C), Praphul Yadav (Regd. No.: 72021259G), Prathamesh Sampgaonkar (Regd. No.: 72021260L) for the award of the degree of **Electrical Engineering** to SPPU, is a record of bonafide work carried out by him/her under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

Date : 02/06/2023

Place: Pune

Prof. S.M Chaudhari
Project Guide

Dr. Sunil Godbole
External Examiner

Dr. A.A. Godbole
Head of Department



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Project Based Learning (PBL)



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Class : S.E. Electrical [2022-23] SEM 2

Subject: PBL

STUDENT ALLOTMENT LIST

Sr No	Roll No.	Name of the Student	Guide Name	Group Number
1	21EL025	KHARADE ADITYA RAVINDRAKUMAR	MR S K BIRADAR	GROUP 1
2	21EL026	KOKATE SHWETA BAPUSAHEB		
3	21EL028	KULKARNI ADITI ASHUTOSH		
4	21EL033	MUNDE VEDANT SURESH		
5	21EL035	NANAWARE APURV RAMCHANDRA		
6	21EL202	PARDIKAR MUKTA RAJENDRA		
7	21EL031	MHASKE JAY SANTOSH	MR S K BIRADAR	GROUP 2
8	21EL039	PATBHAJE EKTA ANANT		
9	21EL042	PATIL BHAVESH CHANDRAKANT		
10	21EL041	PATIL ATHARV ANKUSH		
11	21EL040	PATIL AARYA NARAYAN	MR S K BIRADAR	GROUP 3
12	21EL027	KORDE PRATHAMESH SANJAY		
13	21EL029	MADAVI AKSHAY KUNTAKE		
14	21EL030	MALGUNDE PRATHAMESH SUNIL	MR S K BIRADAR	GROUP 4
15	21EL034	NAGARE SAKSHI SHARAD		
16	21EL201	KOKATE AISHWARYA RAJESHWAR		
17	22EL304	KOSHTI ANIKET PRAVIN	MR S K BIRADAR	GROUP 5
18	22EL305	KURADE SANIKA VISHWAS		
19	22EL306	PANVAL VAIBHAVI JITENDRA		
20	21EL024	KAMBLE RIDDHEESH ATMARAM	MR S K BIRADAR	GROUP 6
21	22EL303	KATE ARYA VIJAY		
22	21EL032	MOON AMAN DHARAMPAL		
23	21EL037	PANCHAL TEJAS RAJNIKANT	MR S K BIRADAR	GROUP 7
24	21EL038	PATARE SIDHARTH SUDHAKAR		
25	21EL045	PATIL NIRAJ HIRALAL		
26	21EL012	GHODMARE KASTURI HEMANT	MR R.S.SHINDE	GROUP 8
27	21EL015	GUNDECHA DARSHAN SUSHIL		
28	21EL016	HAKE SAKSHI GAJANAN		
29	21EL017	INDAVAT PRERANA NARPATSINGH		
30	21EL018	INGLE KHUSHI PRAMOD	MR R.S.SHINDE	GROUP 8
31	21EL004	BIDGAR CHETAN UTTAM		
32	21EL013	GHOLAP OM ADESH		
33	21EL021	KADAM CHETAN BAHU	MR R.S.SHINDE	GROUP 8
34	21EL022	KADAM PRATIK UMESH		
35	21EL023	KAKADE ADITYA RAJENDRA		
36	21EL006	CHAITANYA PATIL	MR R.S.SHINDE	GROUP 8
37	21EL007	DEOKAR SAKSHI VIKRAM		
38	21EL008	DEOLIKAR AARYA AJIT		

39	21EL009	DESALE TANAYA KAILAS	MR R.S.SHINDE	GROUP 9
40	21EL010	GADHEKAR PRASAD RAMESH (EWS)		
41	21EL011	GHATGE POOJA RAJESH		
42	21EL020	JAGTAP OM PRAFULLA		
43	21EL001	AMIR HAMZA	MR R.S.SHINDE	GROUP 10
44	22EL301	AWASARMAL BHAVANA RAMESH		
45	21EL003	BHAGAT SAMRUDDHI MAHENDRA		
46	22EL302	GADE BHAGYASHREE DHANJAY		
47	21EL014	GOLE VAISHNAVI RAHUL		
48	21EL019	INGOLE PALASH ATMARAM	MR R.S.SHINDE	GROUP 11
49	21EL002	ANJANA B RAJAN		
50	21EL005	BURKUL ABHIJIT BABAN		
51	21EL047	POTE VAISHNAVI BABASAHEB	DR L S GODSE	GROUP 12
52	21EL058	SURWADE PRAJAKTA MANOHAR		
53	21EL061	TANAYA SHRIKANT SABADE		
54	21EL064	UMBARKAR SWARAJ NARAYAN		
55	22EL309	WAGHMARE SAMARTH ARUN		
56	21EL046	PHADNIS KHANJANA UTKARSH	DR L S GODSE	GROUP 13
57	21EL049	RATHOD AMIT ABASAHEB		
58	21EL052	SARVESH MADHUKAR YADAV		
59	21EL054	SHEWALE DARSHAN SAHEBRAO		
60	22EL308	TADAVI SAHIL RAFIK	DR L S GODSE	GROUP 14
61	22EL307	PATIL PARTH VIJAYKUMAR		
62	21EL044	PATIL YUGANDHAR AMAR		
63	21EL055	SOLANKI SAHIL KUNDANSING		
64	21EL057	SONKUL PRATIK SUDHIR		
65	22EL310	WANAVE PRATIKSHA NAVNATH	DR L S GODSE	GROUP 15
66	21EL048	RANPISE SHWETANK DEEPAK		
67	21EL050	RIKIBE NIRAJ RAMESH		
68	21EL051	SAKSHANT BHAGWAN VITEKAR		
69	21EL056	SONAWANE AADITYA ANIL		
70	21EL062	TILEKAR SAHIL RAJESH		
71	21EL065	VYAS NEEL NAVIN	DR L S GODSE	GROUP 16
72	21EL059	SUTAR UDAY NAMDEV (EWS)		
73	21EL043	PATIL RUTIK SANJAY		
74	21EL053	SHEDAGE OMKAR SANJAY (EWS)		
75	21EL060	TAKALE RUTURAJ BHIWAJI		
76	21EL063	UDAVANT RUNAL RAVINDRA		


 Head
 Department of Electrical Engineering
 AISSMS College of Engineering, Pune



Class : S.E. Electrical [2022-23]

SEMESTER - 2

Subject: PBL

PROJECT TITLE LIST

Sr No	Roll No.	Name of the Student	Guide Name	Title of PBL Project
1	21EL025	KHARADE ADITYA RAVINDRAKUMAR	MR S K BIRADAR	Audio transmission through Li-Fi technology
2	21EL026	KOKATE SHWETA BAPUSAHEB	MR S K BIRADAR	Audio transmission through Li-Fi technology
3	21EL028	KULKARNI ADITI ASHUTOSH	MR S K BIRADAR	Audio transmission through Li-Fi technology
4	21EL033	MUNDE VEDANT SURESH	MR S K BIRADAR	Audio transmission through Li-Fi technology
5	21EL035	NANAWARE APURV RAMCHANDRA	MR S K BIRADAR	Audio transmission through Li-Fi technology
6	21EL202	PARDIKAR MUKTA RAJENDRA	MR S K BIRADAR	Audio transmission through Li-Fi technology
7	21EL031	MHASKE JAY SANTOSH	MR S K BIRADAR	Battery Management System
8	21EL039	PATBHAJE EKTA ANANT	MR S K BIRADAR	Battery Management System
9	21EL042	PATIL BHAVESH CHANDRAKANT	MR S K BIRADAR	Battery Management System
10	21EL041	PATIL ATHARV ANKUSH	MR S K BIRADAR	Battery Management System
11	21EL040	PATIL AARYA NARAYAN	MR S K BIRADAR	Battery Management System
12	21EL027	KORDE PRATHAMESH SANJAY	MR S K BIRADAR	Energy Generation Using Piezoelectric disc
13	21EL029	MADAVI AKSHAY KUNTAKE	MR S K BIRADAR	Energy Generation Using Piezoelectric disc
14	21EL030	MALGUNDE PRATHAMESH SUNIL	MR S K BIRADAR	Energy Generation Using Piezoelectric disc
15	21EL034	NAGARE SAKSHI SHARAD	MR S K BIRADAR	Energy Generation Using Piezoelectric disc
16	21EL201	KOKATE AISHWARYA RAJESHWAR	MR S K BIRADAR	Rain Detecting Automatic Car Wiper
17	22EL304	KOSHTI ANIKET PRAVIN	MR S K BIRADAR	Rain Detecting Automatic Car Wiper
18	22EL305	KURADE SANIKA VISHWAS	MR S K BIRADAR	Rain Detecting Automatic Car Wiper
19	22EL306	PANVAL VAIBHAVI JITENDRA	MR S K BIRADAR	Rain Detecting Automatic Car Wiper
20	21EL024	KAMBLE RIDDHEESH ATMARAM	MR S K BIRADAR	Study of solar plant installed on AISSMS College
21	22EL303	KATE ARYA VIJAY	MR S K BIRADAR	Study of solar plant installed on AISSMS College
22	21EL032	MOON AMAN DHARAMPAL	MR S K BIRADAR	Study of solar plant installed on AISSMS College
23	21EL037	PANCHAL TEJAS RAJNIKANT	MR S K BIRADAR	Study of solar plant installed on AISSMS College
24	21EL038	PATARE SIDHARTH SUDHAKAR	MR S K BIRADAR	Three phase bridge rectifier
25	21EL045	PATIL NIRAJ HIRALAL	MR S K BIRADAR	Three phase bridge rectifier
26	21EL012	GHODMARE KASTURI HEMANT	MR R.S.SHINDE	Automatic Railway Gate Control
27	21EL015	GUNDECHA DARSHAN SUSHIL	MR R.S.SHINDE	Automatic railway gate control
28	21EL016	HAKS SAKSHI GAJANAN	MR R.S.SHINDE	Automatic railway gate control
29	21EL017	INDAVAT PRERANA NARPATSINGH	MR R.S.SHINDE	Automatic Railway Gate control
30	21EL018	INGLE KHUSHI PRAMOD	MR R.S.SHINDE	Automatic railway gate control
31	21EL004	BIDGAR CHETAN UTTAM	MR R.S.SHINDE	Automatic street light control system
32	21EL013	GHOLAP OM ADESH	MR R.S.SHINDE	Automatic street light control system
33	21EL021	KADAM CHETAN BAHU	MR R.S.SHINDE	Automatic street light control system
34	21EL022	KADAM PRATIK UMESH	MR R.S.SHINDE	Automatic street light control system
35	21EL023	KAKADE ADITYA RAJENDRA	MR R.S.SHINDE	Automatic street light control system
36	21EL006	CHAITANYA PATIL	MR R.S.SHINDE	Eye blink
37	21EL007	DEOKAR SAKSHI VIKRAM	MR R.S.SHINDE	Eye blink
38	21EL008	DEOLIKAR AARYA AJIT	MR R.S.SHINDE	Eye blink
39	21EL009	DESALE TANAYA KAILAS	MR R.S.SHINDE	Eye blink
40	21EL010	GADHEKAR PRASAD RAMESH (EWS)	MR R.S.SHINDE	Eye blink
41	21EL011	GHATGE POOJA RAJESH	MR R.S.SHINDE	Eye blink

42	21EL020	JAGTAP OM PRAFULLA	MR R.S.SHINDE	Eye blink
43	21EL001	AMIR HAMZA	MR R.S.SHINDE	SMART DUSTBIN
44	22EL301	AWASARMAL BHAVANA RAMESH	MR R.S.SHINDE	SMART DUSTBIN
45	21EL003	BHAGAT SAMRUDDHI MAHENDRA	MR R.S.SHINDE	SMART DUSTBIN
46	22EL302	GADE BHAGYASHREE DHANJAY	MR R.S.SHINDE	SMART DUSTBIN
47	21EL014	GOLE VAISHNAVI RAHUL	MR R.S.SHINDE	SMART DUSTBIN
48	21EL019	INGOLE PALASH ATMARAM	MR R.S.SHINDE	SMART DUSTBIN
49	21EL002	ANJANA B RAJAN	MR R.S.SHINDE	SMART VACCUM CLEANER
50	21EL005	BURKUL ABHIJIT BABAN	MR R.S.SHINDE	SMART VACCUM CLEANER
51	21EL047	POTE VAISHNAVI BABASAHEB	DR L S GODSE	Automatic vehicle indicators
52	21EL058	SURWADE PRAJAKTA MANOHAR	DR L S GODSE	Automatic vehicle indicators
53	21EL061	TANAYA SHRIKANT SABADE	DR L S GODSE	Automatic vehicle indicators
54	21EL064	UMBARKAR SWARAJ NARAYAN	DR L S GODSE	Automatic vehicle indicators
55	22EL309	WAGHMARE SAMARTH ARUN	DR L S GODSE	Automatic vehicle indicators
56	21EL046	PHADNIS KHANJANA UTKARSH	DR L S GODSE	Improving The Range Of Electric Vehicles
57	21EL049	RATHOD AMIT ABASAHEB	DR L S GODSE	Improving The Range Of Electric Vehicles
58	21EL052	SARVESH MADHUKAR YADAV	DR L S GODSE	Improving The Range Of Electric Vehicles
59	21EL054	SHEWALE DARSHAN SAHEBRAO	DR L S GODSE	Improving The Range Of Electric Vehicles
60	22EL308	TADAVI SAHIL RAFIK	DR L S GODSE	Improving The Range Of Electric Vehicles
61	22EL307	PATIL PARTH VIJAYKUMAR	DR L S GODSE	Proximity Sensor
62	21EL044	PATIL YUGANDHAR AMAR	DR L S GODSE	Proximity Sensor
63	21EL055	SOLANKI SAHIL KUNDANSING	DR L S GODSE	Proximity Sensor
64	21EL057	SONKUL PRATIK SUDHIR	DR L S GODSE	Proximity Sensor
65	22EL310	WANAVE PRATIKSHA NAVNATH	DR L S GODSE	Proximity Sensor
66	21EL048	RANPISE SHWETANK DEEPAK	DR L S GODSE	smart fluid level detection using ultrasonic sensor
67	21EL050	RIKIBE NIRAJ RAMESH	DR L S GODSE	smart fluid level detection using ultrasonic sensor
68	21EL051	SAKSHANT BHAGWAN VITEKAR	DR L S GODSE	smart fluid level detection using ultrasonic sensor
69	21EL056	SONAWANE AADITYA ANIL	DR L S GODSE	smart fluid level detection using ultrasonic sensor
70	21EL062	TILEKAR SAHIL RAJESH	DR L S GODSE	smart fluid level detection using ultrasonic sensor
71	21EL065	VYAS NEEL NAVIN	DR L S GODSE	smart fluid level detection using ultrasonic sensor
72	21EL059	SUTAR UDAY NAMDEV (EWS)	DR L S GODSE	smart fluid level detection using ultrasonic sensor
73	21EL043	PATIL RUTIK SANJAY	DR L S GODSE	Ultrasonic Radar System
74	21EL053	SHEDAGE OMKAR SANJAY (EWS)	DR L S GODSE	Ultrasonic Radar System
75	21EL060	TAKALE RUTURAJ BHIWAJI	DR L S GODSE	Ultrasonic Radar System
76	21EL063	UDAVANT RUNAL RAVINDRA	DR L S GODSE	Ultrasonic Radar System


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Department of Electrical Engineering

CERTIFICATE

This is to certify that Mr/Ms. Aarya Deollikar, Pooja Ghatge, Prasad Gadhekar, Chaitanya Patil of Branch Electrical has successfully completed the activity under Project Based Learning on topic Project /Case Study entitled "**EYE BLINK**" under my supervision, in the partial fulfillment of Second Year Bachelor of Engineering (2019 Course) of Savitribai Phule University of Pune.

Date: 02/06/2023

Place: Pune

Mr. R.S SHINDE

Guide

Dr. A.A GODBOLE

Head of Department