



Shri Vitthal Education & Research Institute's

# COLLEGE OF ENGINEERING, PANDHARPUR



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Website.: www.sveri.ac.in (Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur)  
NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, ISO 9001:2015 Certified Institute.  
Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune.

Ref.:-

Date:-

### 1.3.3 Number of the student studied course on experimental learning through Project Work / Internship

Programme Name: Electronics & Tele-communication Engineering			
Programme Code: 1-1408968324			
Year of offering: 2019-2020			
Sr. No.	Name of the Course that include experiential learning through project work/field work/internship	Course code	Number of the student studied course on experiential learning through project work/field work/internship
1.	Seminar & Project	ET416	119
2.	Project	ET425	
3.	Vocational Training	ET417	
4.	Mini Project (Hardware)	ET327	110



*B Range*  
PRINCIPAL,  
College of Engineering  
PANDHARPUR

**SVERI's**  
**College of Engineering, Pandharpur**

**Electronics & Tele-communication**  
**Engineering Department**

**B.E. Project Record**

**A.Y.: 2019-2020**

**SVERI's College of Engineering, Pandharpur.**

Department of Electronics & Telecommunication

Project List -BE (E&TC) A A.Y-2019-20

1	BE A 01	Lokhande Dhanshree	Smart Class Room using IOT	Mr. N S Admile
2		Tarange Reshma Sham		
3		Salunkhe Ashwini Kerappa		
4	BE A 02	Ghayal Manoj Baliram	To recognize the fruit status in refrigerator using deep Learning	Mr. Sandeep Bidwai
5		Shriram Amol Vitthal		
6		Taware Daddsaheb		
7		Katte Vijay Dhanappa		
8	BE A 03	Kalubarne Prashant D.	IOT Based Smart Farm Monitoring System	Dr. S R Patil
9		Misal Pandurang D.		
10		Navadkar Ganes M.		
11	BE A 04	Devakar Arti Chandrakant	Happy Imotion Detection Using Image Processing and Deep Learning	Dr. M M Pawar
12		Ronge Swapnaja Yuvraj		
13		Tamboli Ansa Kadar		
14	BE A 05	Kaldhione Amruta Sanjay	Low cost Fingerprint Based Bank Locker Security System Using GSM	Ms. M. S. Biswas
15		Waghmode Yamini Vilas		
16		Jagtap Aniketa Ashok		
17	BE A 06	Yadav Chhaya Appa	Defect Identification and Maturity Detection of Fruits using Image Processing	Mr. J S Hallur
18		Asabe Vaishnavi Tanaji		
19		Yadav Kajal Anil		
20	BE A 07	Koli Vrushali Rajendra	Object Detection using Deep Learning	Dr. M. M. Pawar
21		Shinde Priyanka Subhash		
22		Jadhav Pranita Sunil		
23	BE A 08	Mujawar Simran	Direction 2x2 MIMO Microstrip Antenna design and Optimisation for LTE	Mr. Ashish Jadhav
24		Hake Prerana Prakash		
25		Kamble Snehal Baskar		
26	BE A 09	Satpute Annasaheb Sahebrao	Smart Security System for Jewellery shop using IOT	Mr. M. A. Deshmukh
27		More Sanket Hanumant		
28		Upase Sangnesh		
29		Gaikwad Vishal Ashok		
30	BE A 10	Moholkar Manasi Mahesh	Mutual Coupling Supression between two MIMO Microstrip Patch Antenna using Isolator	Mr. Ashish Jadhav
31		Waykule Pallavi		
32		Nagane Priyanka Vittal		
33		More Tanuja Ashok		
34	BE A 11	Deshmukh Ashwini Madhukar	Leaf App: Leaf classification using neural Networks	Ms. J S Shinde
35		Kharade Pragati Dinesh		
36		Vhanamane Sonali K		
37	BE A 12	Koli Sayali Shamrao	Low cost Fruit Grading and Sorting System	Dr. A. S. Vibhute
38		Mane Prachi Avadhut		
39		Chavan Sayali Dilip		
40	BE A 13	Maradkar Dnyaneshwari S	Automatic Potholes and Crack Detection using Image Processing and Alerting	Mr. M. A. Deshmukh
41		Patil Sayali S		
42		Sanjekar Pratiksha V		
43	BE A 14	Awad Asha Rajabhau	Video Stabilisation and Motion Detection using MatLab Video Processing	Mr. V. S. Bhong
44		Bagal Anuradha Haridas		
45		Rokade Soniya Sanjay		
46	BE A 15	Katkar Puja A.	Two stage convolutional neural network for noise	Mr. S A Inamdar
47		Kewate Snehal		
49	BE A 16	Bansode Usha Sunil	Pedestrian Detection by learning Deep feautres	Dr. M. M. Pawar
50		Dargude Pratiksha Nagnath		
51		Shingade Varsha Balvant		
52	BE A 17	Ghadage Pooja Anil	Health Care monitoring system using IOT	Dr. S R Patil
53		Baad Pooja Arjun		
54		Parbat Supriya Sayaji		
55	BE A 18	Wakade Prajakta Kashinath	Design and Implementation of Children Monitoring and Security System based on	Ms. S. S. Kadam
56		Yelmar Sucheta		
57		Pathak Prajakta P		
58	BE A 19	Danure Sidharam G.	MIMO IFA Antenna for Laptop Application at WLAN/5G C-Band	Mr. Ashish Jadhav
59		Bhuse Ajinkya Chandrakant		
60		Kambale Mahesh Bibhishan		
61	BE A 20	Kamble Reshna Hanumant	Air Pollution Monitoring System	Ms. J S Shinde
62		Dubal Saniksha Nanasaheb		
63		Patil Sonali Satish		

*Sutari*  
BE Project coordinator

*Dr. A.S. Vibhute*  
Dr. A.S. Vibhute

HOD E&TC Dept

# SVERI's College of Engineering, Pandharpur.

Department of Electronics & Telecommunication

Project List -BE (E&TC) B A.Y-2019-20

Sr.No.	Project Group no.	Name of Student	Project Title	Guide Name
1	BE B 01	Katkar Anjali	Autonomous Robot for Delivering the Order in Restaurant by using Raspberry Pi	Mr. H. K. Bhaldar
2		More Kirti		
3		Yelasange Anjali		
4	BE B 02	Chavare Shubhangi S.	Garbage Collection and Monitoring System using RFID	Mr. Akshay A Jadhav
5		Koli jyoti Naganath		
6		Vakase Jyoti Dattatraya		
7	BE B 03	Samita Mykal	Pathology Lab Reporting Generating system using IOT	Dr. A. S. Vibhute
8		Potdar Gunjan		
9		Salge Varsha		
10	BE B 04	Baba Bhagyashri Shivshankar	Power Factor Improvement using Capacitor Filter	Mr. D. A. Kumbhar
11		Navalai Seema Laxman		
12		Patil Dhanshree		
13	BE B 05	Jagtap Janhavi	IOT Based Smart Helmet and Bike Analyzer	Mr. A M Kasture
14		Kamble Anandi		
15		Mahadik Kajal		
16	BE B 07	Sawant Mayuri	Fruit Plagrant using Image Processing	Mr. A. M. kasture
17		Ghadke Pooja Ganpati		
18		Survase Tejaswini Vishnu		
19	BE B 08	Kakade Pooja	Design and development of Prototype lamp lightning with Road Side Vertical Axis Wind Energy Harvester	Ms. N S Patil
20		Patil Sangita		
21		Chavan Vishaka		
22	BE B 09	Wagh Kanchan	Coin Recognition System	Mrs. J S Shinde
23		Yadav Anuja Dnyaneshwar		
24		Bhosle Kavita		
25	BE B 10	Maske Yogita Suresh	IOT Based Intelligent Trolley for Shopping Mall	Dr. S R Patil
26		Khankal Vrushali Ramchandra		
27		Bangi Alfiya		
28	BE B 11	Gumaste Ketaki Sunil	Sign to Speech converter Gloves for Deaf and Dumb people	Ms. N. P. Kulkarni
29		Gajakosh Monika H		
30		Patil Nishigandha		
31	BE B 12	Bhosale Aishwarya	Detection of Flowers using Deep Learning Technique	Mr. Sandeep Bidwai
32		Asbe Pratima		
33		Navgire Pragati		
34	BE B 13	Tathedeshmukh Krishna	Pest Management System using Agriculture Robot	Dr. A. S. Vibhute
35		Sonavane Sharad		
36		Hindule Ravikant		
37	BE B 14	Sonar Abhishek	Implement Bridge Strength Monitoring and Accident Prevention System	Mr. H K Bhaldar
38		Sayyad Tanjim		
39		Ranaware Rohit		
43	BE B 16	Vyavahare sachin	Improved Communication quality with 5G Tactile Internet Support	Mr. M. S. Mathpati
44		Molak Omkar		
45	BE B 17	Khilari Nilambika	Real Time Door Lock system and Fine Collection using Image Processing	Mr. D. A. Kumbhar
46		Jadhav Mayuri		
47		Bagal Mohini		
48	BE B 18	Patil Punam	IOT Based Smart Energy Meter and Billing System	Mr. M. S. Mathpati
49		Gore Janabai		
50		Karande Jayashri Dattatraya		
51	BE B 19	Devkate Pooja Sham	Banana Tree Disease Detection using Image Processing	Mr. S.P. Swami
52		Hindule Madhavi		
53		Shahane Manasi		
54	BE B 20	Mane Harshdip	Design and Development of 3-Phase Motor Control Drive as per Line Voltage Variations	Mr. D. A. Kumbhar
55		Gaondavale Sanjay		
56		Gurav Umesh		

BE Project coordinator

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*This is to certify that the dissertation entitled*  
***"Smart Class Room using IOT"***  
*has been submitted by*

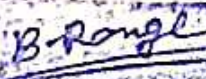
*Project Group No.:- A-01*

- 1) Lokhande Dhanshree Dhanaji
- 2) Tarange Reshma Sham
- 3) Salunkhe Ashwini Kerappa

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Telecommunication Engineering as per curriculum laid by the Punyashlok  
Ahilyadevi Holkar Solapur University, Solapur during the academic year  
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(Prof. N. S. Admile)  
Project Guide

  
(Dr. A. S. Vibhute)  
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Principal



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*This is to certify that the dissertation entitled*  
***"To Recognize the Fruit Status in Refrigerator using Deep Learning"***  
*has been submitted by*

*Project Group No.:- A-02*

- 1) Ghayal Manoj Baliram
- 2) Shriram Amol Vitthal
- 3) Taware Dadasaheb Balasaheb
- 4) Katte Vijay Dhanappa

*For partial fulfillment of Bachelor Degree in Electronics and Telecommunication Engineering as per curriculum laid by the Punyashlok Ahilyadevi Holkar Solapur University, Solapur during the academic year 2019-2020.*

**(Prof. V. A. Patil)**

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*This is to certify that the dissertation entitled  
"Automatic Unified System for LPG Gas"  
has been submitted by*

*Project Group No.:- A-03*

- 1) Kalubarme Prashant Dhanappa
- 2) Misal Pandurang Dhondiram
- 3) Navadkar Ganesh Machindra

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*This is to certify that the dissertation entitled  
"Facial Expression Analysis by using Deep Learning"  
has been submitted by*

*Project Group No.:- A-04*

- 1) Devakar Arti Chandrakant
- 2) Ronge Swapnaja Yuvraj
- 3) Tamboli Anisa Kadar

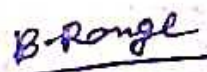
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*This is to certify that the dissertation entitled  
"Low cost Fingerprint Based Bank Locker Security System  
Using GSM"  
has been submitted by*

*Project Group No.:- A-05*

- 1) Kaldhone Amruta Sanjay
- 2) Waghmode Yamini Vilas
- 3) Jagtap Aniketa Ashok

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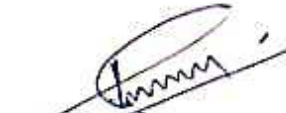
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*This is to certify that the dissertation entitled  
"Defect Identification and Maturity Detection of Fruits using  
Image Processing"  
has been submitted by*


*Project Group No.:- A-06*

- 1) Yadav Chhaya Appa
- 2) Asabe Vaishnavi Tanaji
- 3) Yadav Kajal Anil

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**CERTIFICATE**

*This is to certify that the dissertation entitled  
"Object Detection using Deep Learning"  
has been submitted by*

*Project Group No.:- A-07*

- 1) Koli Vrushali Rajendra
- 2) Shinde Priyanka Subhash
- 3) Jadhav Pranita Sunil

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*This is to certify that the dissertation entitled*  
***“Design of Combined UWB and MIMO UWB Antenna for***  
***Mobile Terminal”***  
*has been submitted by*

*Project Group No.:- A-08*

- 1) Mujawar Simran Hajisaheb
- 2) Hake Prerana Prakash
- 3) Kamble Snehal Baskar

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*Telecommunication Engineering as per curriculum laid by the Punyashlok*  
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**CERTIFICATE**

*This is to certify that the dissertation entitled  
"Smart Security System for Jewelry shop using IOT"  
has been submitted by*

*Project Group No.:- A-09*

- 1) Satpute Annasaheb Sahebrao
- 2) More Sanket Hanumant
- 3) Upase Sangmesh Vikas
- 4) Gaikwad Vishal Ashok

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**CERTIFICATE**

*This is to certify that the dissertation entitled  
"Mutual Coupling Suppression between Two MIMO  
Microstrip Patch Antenna using Isolator"  
has been submitted by*

*Project Group No.:- A-10*

- 1) Moholkar Manasi Mahesh
- 2) Waykule Pallavi Dattatray
- 3) Nagane Priyanka Vittal
- 4) More Tanuja Ashok

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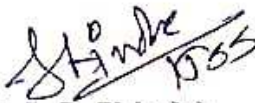
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***"Leaf App: Leaf Classification using Neural Networks"***  
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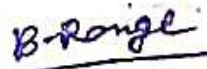
*Project Group No.:- A-11*

- 1) Deshmukh Ashwini Madhukar
- 2) Kharade Pragati Dinesh
- 3) Vhanamane Sonali Kanhaiyalal

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"Low Cost Fruit Grading and Sorting System"  
has been submitted by*

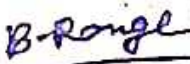
*Project Group No.:- A-12*

- 1) Koli Sayali Shamrao
- 2) Mane Prachi Avadhut
- 3) Chavan Sayali Dilip

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*This is to certify that the dissertation entitled*  
***"Automatic Potholes and Crack Detection using Image***  
***Processing and Alerting through SMS"***  
*has been submitted by*

*Project Group No.:- A-13*

- 1) Maradkar Dnyaneshwari Suryakant
- 2) Patil Sayali Suryakant
- 3) Sanjekar Pratiksha Vijay

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*Telecommunication Engineering as per curriculum laid by the Panyashlok*  
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*This is to certify that the dissertation entitled  
"Video Stabilization and Motion Detection using MatLab  
Video Processing Toolbox"  
has been submitted by*

*Project Group No.:- A-14*

- 1) Awad Asha Rajabhau
- 2) Bagal Anuradha Haridas
- 3) Rokade Soniya Sanjay

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Ahilyadevi Holkar Solapur University, Solapur during the academic year  
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**(Prof. S. M. Karve)**

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*This is to certify that the dissertation entitled*  
***"IOT based Animal Intrusion Detection System using Wireless***  
***Sensor Network"***  
*has been submitted by*


*Project Group No.:- A-15*

- 1) Katkar Puja Appasaheb
- 2) Kewate Snehal Dilip

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*Telecommunication Engineering as per curriculum laid by the Punyashlok*  
*Ahilyadevi Holkar Solapur University, Solapur during the academic year*  
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**(Prof. S. A. Inamdar)**  
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***"Pedestrian Detection by Deep Learning Features"***  
*has been submitted by*

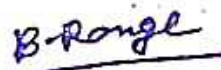
*Project Group No.:- A-16*

- 1) Bansode Usha Sunil
- 2) Dargude Pratiksha Nagnath
- 3) Shingade Varsha Balvant

*For partial fulfillment of Bachelor Degree in Electronics and  
Telecommunication Engineering as per curriculum laid by the Punyashlok  
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(Dr. M. M. Pawar)  
Project Guide

  
(Dr. A. S. Vibhute)  
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**CERTIFICATE**


*This is to certify that the dissertation entitled  
"Health Monitoring System using IOT"  
has been submitted by*

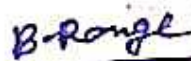
*Project Group No.:- A-17*

- 1) Ghadage Pooja Anil
- 2) Baad Pooja Arjun
- 3) Parbat Supriya Sayaji

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Ahilyadevi Holkar Solapur University, Solapur during the academic year  
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(Prof. A. D. Mali)  
Project Guide

  
(Dr. A. S. Vibhute)  
Head, E&TC Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal



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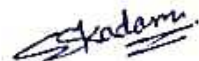
**CERTIFICATE**

*This is to certify that the dissertation entitled  
"Design and Implementation of Children Monitoring and  
Security System based on IOT"  
has been submitted by*

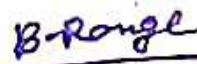
*Project Group No.:- A-18*

- 1) Wakade Prajakta Kashinath
- 2) Yelmar Sucheta Bharat
- 3) Pathak Prajakta Pramod

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*This is to certify that the dissertation entitled  
"MIMO IFA Antenna for Laptop Application at WLAN/5G  
C-Band Operation"  
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*Project Group No.:- A-19*

- 1) Danure Sidharam Ganpatrao
- 2) Bhuse Ajinkya Chandrakant
- 3) Kambale Mahesh Bibhishan

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"IOT based Air Pollution Monitoring System"  
has been submitted by*


*Project Group No.:- A-20*

- 1) Kamble Reshma Hanumant
- 2) Dubal Samiksha Nanasaheb
- 3) Patil Sonali Satish

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*This is to certify that the dissertation entitled  
"Autonomous Robot for Delivering the Order in Restaurant  
by using Raspberry-Pi"  
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*Project Group No.:- B-01*

- 1) Katkar Anjali Pandurang
- 2) More Kirti Ashok
- 3) Yelasange Anjali Mahadev

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has been submitted by*

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- 2) Koli jyoti Naganath
- 3) Vakase Jyoti Dattatraya

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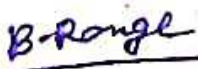
*Project Group No.:- B-03*

- 1) Mykal Samita Balaji
- 2) Potdar Gunjan Sarang
- 3) Salge Varsha Rajendra

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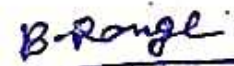
*Project Group No.:- B-04*

- 1) Baba Bhagyashri Shivshankar
- 2) Navalai Seema Laxman
- 3) Patil Dhanshree Sanjay

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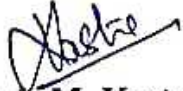
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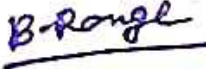
*Project Group No.:- B-05*

- 1) Jagtap Janhavi Nagnath
- 2) Kamble Anandi Ramhari
- 3) Mahadik Kajal Hanumant

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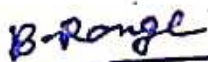
*Project Group No.:- B-07*

- 1) Sawant Mayuri Balkrushna
- 2) Ghodke Pooja Ganpati
- 3) Survase Tejaswini Vishnu

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***“Design and Development of Prototype Lamp Lightning with***  
***Road Side Vertical Axis Wind Energy Harvester”***  
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*Project Group No.:- B-08*

- 1) Kakade Puja Vikas
- 2) Patil Sangita Vishnu
- 3) Chavan Vishaka Ashok

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*This is to certify that the dissertation entitled  
"Coin Recognition System"  
has been submitted by*


*Project Group No.:- B-09*

- 1) Wagh Kanchan Sudhakar
- 2) Yadav Anuja Dnyaneshwar
- 3) Bhosale Kavita Ganpat

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*This is to certify that the dissertation entitled  
"IOT Based Intelligent Trolley for Shopping Mall"  
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*Project Group No.:- B-10*

- 1) Maske Yogita Suresh
- 2) Khankal Vrushali Ramchandra
- 3) Bangi Alfiya A Hamid

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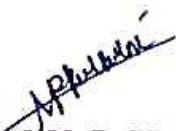
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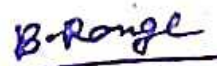
*Project Group No.:- B-11*

- 1) Gumaste Ketaki Sunil
- 2) Gajakosh Monika Harishchandra
- 3) Patil Nishigandha Santosh

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*This is to certify that the dissertation entitled*  
***"Detection of Flowers using Deep Learning Technique"***  
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*Project Group No.:- B-12*

- 1) Bhosale Aishwarya Gopal
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- 3) Navgire Pragati Purushottam

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*This is to certify that the dissertation entitled*  
***"Pest Management System using Agriculture Robot"***  
*has been submitted by*

*Project Group No.:- B-13*

- 1) Tathedeshmukh Krishna Rajendra
- 2) Sonawane Sharad Magan
- 3) Hindule Ravikant Shashikant

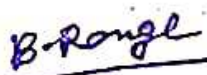
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"Implement Bridge Strength Monitoring and Accident  
Prevention System"  
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*Project Group No.:- B-14*

- 1) Sonar Abhishek Rajkumar
- 2) Sayyad Tanjim Mahammad
- 3) Ranaware Rohit Suhas

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*This is to certify that the dissertation entitled  
"IOT based Real Time Traffic Light Control to Reduce  
Vehicles CO2 Emission"  
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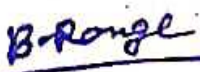
*Project Group No.:- B-15*

- 1) Dhotre Rohini Shahaji
- 2) Arekar Uma Tukaram
- 3) Swami Charushila Chidanand

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- 1) Vyavahare Sachin Dattatray
- 2) Molak Omkar Anil
- 3) Patil Mukul Madhusudan

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"Smart Framework for Environmental Pollution Monitoring  
and Controlling using IOT"  
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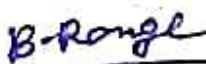
*Project Group No.:- B-17*

- 1) Khilari Nilambika Rudrappa
- 2) Jadhav Mayuri Tippanna
- 3) Bagal Mohini Tanaji

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- 2) Gore Janabai Balasaheb
- 3) Karande Jayashri Dattatraya

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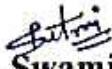
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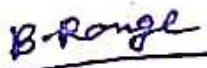
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- 1) Devkate Pooja Sham
- 2) Hindule Madhavi Shashikant
- 3) Shahane Manasi Mahesh

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***"Design and Development of 3-Phase Motor Control Drive as***  
***per Line Voltage Variations"***  
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**Engineering Department**

**T.E. Mini-Project Record**

**A.Y.: 2019-2020**

**TE A Div Project Groups A. Y. 2019-20**  
**Status of TE ENTIC Project Sem-I& II**

Sr.No.	Project Group no.	Name of Student	Roll No.	Area of Interest	Name of Guide	Title of Project as HMP	
1	TE A 01	Namdas Dipka Dryaneshwar	20	IoT	Dr. A.S. Vibhute	IoT Based Smart Irrigation System using Arduino	
2		Patil Ashvini Maruti	22				
3		Duchal Snehal Balasahab	3				
4		Mendhegiri Shweta Shantnath	13				
5	TE A 02	Amit Danure	38	IoT, Embedded System	Ms. V. A. Patil	Automatic Speed Control & Accident Avoidance Vehicle using Multisensors	
6		Santosh Ubale	59				
7		Imran Shaikh	57				
8	TE A 03	Pathan Sameer K.	52	Embedded, Image, A. L.	Mr. H. K. Bhaladar	Cell Phone Operated Robotic Vehicle	
9		Bachute Bhushan S.	36				
10	TE A 04	Walekar Smita Mahadev	33	Sensor based Agricultural Automation	Mr. S. A. Inamdar	IoT Based Irrigation System using Sensors	
11		Wagaj Sonali Shivaji	31				
12		Wagaj Pratiksha Hanumant	30				
13	TE A 07	Mulani Salman Shahajahan	49	IoT and Robotics	Mr. A. M. Kasture	Smart Dust Bin (23-01-20)	
14		Kulkarni Prathmesh Prakash	46				
15		Sarwadkar Manjunath Sidram	56				
16	TE A 08	Mhamane Ashwarya Sanjay	14	Image Processing	Mrs. J. S. Shinde	Fruit-Detection plm	
17		Mahajan Ishita Pradip	12				
18		Harane Sanjayani Raju	6				
19	TE A 09	chavare Bhushan Mahavir	37	Robotics	Mr. A. M. Kasture	Smart Waste Management System (23-01-20)	
20		Koti Sudarshan Somaraya	45				
21		Pachave Nitin Subhash	51				
22	TE A 10	Nikte Geeta Prashant	21	Medical Electronics	Dr.M.M.Pawar	Password Based Door Lock System	
23		Nagane Prajakta Dryanand	65				
24		Shembade Jadhavi Dilip	27				
25		Phulare Nikita Sham	24				
26	TE A 11	Guruj Gaurav Dattatraya	41	Antenna Design	Mr. Ashish A. Jadhav	MIMO - Antenna Design	
27		Darshanale Swapnil Prakash	39				
28		Hodade Rushikesh Somnath	42				
29	TE A 12	Chavan Rutuja Shivaji	2	Robotics	Mr. H. K. Bhaladar	Design & Development of Robotic Arm for Multipurpose Applications	
30		More Komal Nanasahab	17				
31		Repal Shraddha Anil	26				
32	TE A 13	Aldar Sushant Tanaji	35		Ms. N. P. Kulkarni	Flood Detection using IoT	
33		Patil Vishal Vijaykumar	53				
34		More Rushikesh Machindra	47				
35	TE A 14	Salunkhe Omkar Arun	55		Ms. S. S. Kadam	Sun Tracking Solar Panel using Microcontroller	
36		Pawar Sanjay Shankar	54				
37		Chakote Digvijay Girish	60				
38		More Vikram Aankush	48				
39	TE A 15	Vhargar Monali Vilas	29	Medical Electronics	Mr. S. S. Kadam	Automatic Room Lighting using Microcontroller	
40		Mule Saujanya Subhash	18				
41		Kale Abhilasha Avinash	7				
42	TE A 16	Yalmar Akash Bhimrao	61		Ms. P. B. Kashid	Google Assistant Controlled Home Automation	
43		Thorat Ashutosh Ramesh	66				
44	TE A 17	Hegade Nikita Maruti	62	Embedded Systems	Mr. A. D. Mali	Arduino based smart integration system	
45		Lokhande Mayuri Sanjay	63				
46	TE A 18	Ghuge Ashwini Dattatraya	4	Bio- Medical Electronics	Mr. M. S. Mathpati	Corridor Light Controller using Microcontroller	
47		Gunjal Surekha Vilas	5				
48		Khandekar Nisha Soudagar	9				
49	TE A 19	Avadhut Renuka Audambar	1	IoT, Embedded System & Robotics	Mr. Akshay A. Jadhav	Design of Magnetic Levitation using Microcontroller	
50		Rajmane Manali Sunil	25				
51		Shirame Amruta Dhanaji	28				
52	TE A 20	Kale Komal Kiran	8	IoT, Power Electronics & Robotics	Mr. D.P. Narsale	Agri Cell Base Soil-monitoring using IoT	
53		Mirgane Shraddha Bharat	16				
54		Ware Saroja Shyamrao	34				
55	TE A 21	Kadam Omkar Sunil	44	IoT, Power Electronics & Robotics	Mr. M. A. Deshmukh	Home Automation using IoT	
56		Dandawale Upendra N.	40				
Total:-19		Total Students:-56					

TE Project Coordinator

HOD

**TE B Div Project Groups A. Y. 2019-20**  
**Status of TE ENTIC Project Sem-I & II**

Sr.No.	Project Group no.	Name of Student	Roll No.	Area of Interest	Guide Name	Title of Project as HMP	
1	TEB 01	More Vaishnavi Jaysing	25	IoT & Image Processing	Dr. A. S. Vibhute	RBC-To-WBC Blood-Count	
2		Devkate Gayatri Chichalappa	6				
3		Bhaganagare Aishwarya Rajesh	3				
4		Ninnale Rutuja Narayan	26				
5	TEB 02	Maske Akshay Rajendra	47	Embedded Systems	Ms. L. A. Palange	Bipolar LED Driver Circuit using Microcontroller	
6		katkamwar shrinivas D	46				
7		suryawanshi chandrashikhar	53				
8	TEB 03	Shinde Jyoti Sanjay	33	DSP based system	Prof.M.S.Mathpati	Arduino based Home Automation using Node MCU	
9		Korape Vaishnavi Sanjay	18				
10		Shelake Puja Ramchandra	32				
11	TEB 04	Kumbhar Seema Ramdas	19	Embedded Systems	Mr.D.P. Narsale	Human speed detection using microcontroller	
12		Dhekale Pratiksha Rajaram	28				
13		Randive Ashwini Bramhdev	30				
14		Ghadge Shivani Ganesh	58				
15	TEB 05	Godase Shruti Nagesh	12	Embedded Systems	Mr.D.P. Narsale	LPG Gas Leakage Monitoring & Detection using Microcontroller	
16		Dudhal Rutuja Suresh	8				
17		Jaetap Suranjali Bandu	15				
18	TEB 06	Mane Priyanka Satish	20	Embedded Systems	Mr. Akshay A. Jadhav	IoT Based Home Security System using Rasbery-Pi	
19		Thengal Pallavi Vishwas	36				
20	TEB 07	Patil Ashwini Bhausaheb	27	Embedded Systems	Mr. D. A. Kumbhar	Unit Remote Control Home Automation	
21		Jadhav Vrushali Arun	14				
22		Molak Komal Tanaji	22				
23	TEB 08	Ghongade Prajakta Dilip	11	IoT & Embedded Systems	Mr. J. S. Hallur	Vehical-parking of m. using microcontroller.	
24		Shaikh Saniya Abdulla	31				
25		Wedtile Vaishnavi Janardan	39				
26	TEB 09	Indi Shivganga Subhash	13	Embedded Systems	Mrs. J. S. Shinde	Fruit-Detection of m.	
27		Ghodake Shubham Tukaram	44				
28	TEB 10	Vhasale Sagar Appaso	55	Embedded Systems	Ms. G. G. Unahale	Human speed detection using microcontroller	
29		Shaikh Shoyeb Ayub	52				
30		Pathan Jameer Salim	50				
31		JADHAV MAHESH SHIVAJI	45				
32	TEB 11	More Suhashini Balaji	24	Embedded Systems & VLSI	Mr. N. S. Admile	Sun Tracking Solar Panel using Microcontroller	
33		Deokar Namrata Dattatray	7				
34		Bagal Madhuri Navnath	1				
35	TEB 12	Manepatil Aarti Shahaji	21	Embedded Systems	Mr. S. P. Swami	Crying Baby detector using Arduino	
36		Khandare Darshana Rajesh	60				
37		Walugade Pratiksha Ankush	40				
38	TEB 13	Pujari Sapna Siddharam	29	Embedded & VLSI Systems	Ms. L. A. Palange	Automatic Light Controller using Microcontroller	
39		Vanave Suchitra Bibhishan	37				
40		Vidhate Dnyaneshwari Gorakh	38				
41	TEB 14	Yadav Prajakta Dharmaraj	41	Embedded & VLSI Systems	Ms. N. P. Kulkarni	Smart Blind Stick using Ultrasonic Sensor & Microcontroller	
42		Garwali Renuka Sahadev	10				
43		More Mayuri Arvind	23				
44	TEB 15	Tapise Puja Digambar	35	Embedded Systems	Mr. J. S. Hallur	Power Factor Improvement using Microcontroller	
45		Benuesur Laxmi Irrana	2				
46	TEB 16	Jamaqi Yogini Siddhapa	16	DSP based system	Mr. N. S. Admile	Talking Energy Meter based on Microcontroller	
47		Mukare Vaibhav S.	49				
48		Salunkhe Tushar T.	51				
49	TEB 17	Pandhare Nitin Vasudeo	57	Antenna Design	Mr. Ashish A. Jadhav	Light & Fan Control using Microcontroller	
50		Gaikwad Amruta Balasaheb	9				
51		Bharana swati Shivalingappa	4				
52	TEB 18	Bhosale Utkarsha Bharat	5		Mr. A. A. Kadam	IoT-based Home automation	
53		Deshmukh Abhishek Vilas	42				
54		Parakhe Vallabh Sanjay	62				
Total:-18		Total Students:-54					

TE Project Coordinator

HOD



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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"IOT based smart Integration system using Aurdino"  
has been submitted by*

*Mini hardware Project Group No.:- A01*

- 1) Namdas Dipika Dnyaneswar
- 2) Patil Ashwini Maruti
- 3) Shenal balasaheb Duchal
- 4) Mendhegiri shweta shantinath

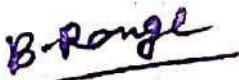
*For partial fulfillment of Mini Hardware Project in TE PART-II  
Electronics & Telecommunication Engineering as per curriculum laid by the  
Punyashlok Ahilyadevi Holkar Solapur University, Solapur during the  
academic year 2019-2020.*

  
(Dr. A.S. Vibhute)

Project Guide

  
(Dr. A.S. Vibhute)

Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal





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**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"Automatic Speed Control and Accident Avoidance vehicle  
using Multisensors"  
has been submitted by*


*Mini hardware Project Group No.:- A02*

- 1) Amit Danure
- 2) Santosh Ubale
- 3) Imran Shaikh

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Electronics & Telecommunication Engineering as per curriculum laid by the  
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academic year 2019-2020.*

  
(Ms. V.A. Patil)  
Project Guide

  
(Dr. A.S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
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**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"Cell phone operated Robotic Vehicle"  
has been submitted by*


*Mini hardware Project Group No.:- A03*

- 1) Pathan Sameer K.
- 2) Bachute Bhushan S.

*For partial fulfillment of Mini Hardware Project in TE PART-II  
Electronics & Telecommunication Engineering as per curriculum laid by the  
Punyashlok Ahilyadevi Holkar Solapur University, Solapur during the  
academic year 2019-2020.*

  
(Mr. H.K. Bhaldar)  
Project Guide

  
(Dr. A.S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
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*This is to certify that the Mini Hardware Project entitled  
"IOT based irrigation system using Sensors"  
has been submitted by*

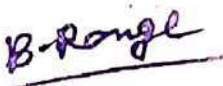
*Mini hardware Project Group No.:- A04*

- 1) Walekar smita Mahadev
- 2) Waghaj Sonali Shivaji
- 3) Waghaj pratiksha Hanumanth

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(Mr.S.A.Inamdar)  
Project Guide

  
(Dr. A.S.Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Smart dust Bin"  
has been submitted by*

*Mini hardware Project Group No.:- A07*

- 1) Mulani Salman
- 2) Kulkarni Prathmesh
- 3) Sarwadkar Manjunath Sidram

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academic year 2019-2020.*

  
(Mr. A.M. Kasture)

Project Guide

  
(Dr. A.S. Vibhute)

Head, E&TC. Engg. Dept.



(Dr. B. P. Ronge)  
Principal



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**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"Fruit Detection Software"  
has been submitted by*


*Mini hardware Project Group No.:- A08*

- 1) Mhamane Aishwarya Sanjay
- 2) Mahajan Ishita Pradip
- 3) Harane Sanjivani Raju

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academic year 2019-2020.*

  
(Mrs. J.S. Shinde)  
Project Guide

  
(Dr. A.S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal



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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Smart Waste management system"  
has been submitted by*

*Mini hardware Project Group No.:- A09*

- 1) Chavan Bhushan Mahavir
- 2) Koli Sudarshan Somaraya
- 3) Pachave Nitin

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academic year 2019-2020.*

  
(Mr. A.M. Kasture)  
Project Guide

  
(Dr. A.S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal



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**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"Password based door locked system"  
has been submitted by*


*Mini hardware Project Group No.:- A10*

- 1) Nikate Geeta Prashant
- 2) Nagane Prajkata
- 3) Shebade Janhavi
- 4) Phulare Nikita

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academic year 2019-2020.*

  
**(Dr. M.M. Pawar)**  
Project Guide

  
**(Dr. A.S. Vibhute)**  
Head, E&TC. Engg. Dept.

  
**(Dr. B. P. Ronge)**  
Principal



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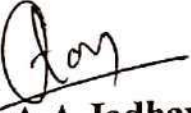
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*This is to certify that the Mini Hardware Project entitled  
"MIMO Antenna Design"  
has been submitted by*

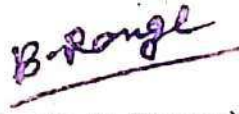
*Mini hardware Project Group No.:- A11*

- 1) Guruji Gurav
- 2) Darshale Swapnali
- 3) Hodade Rushikesh

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(Mr. A.A. Jadhav)  
Project Guide

  
(Dr. A.S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal





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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Design And Development of Robotics Arm for Multipurpose  
Applications"  
has been submitted by*

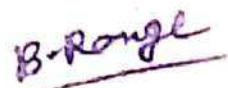
*Mini hardware Project Group No.:- A12*

- 1) Chavan Rutuja
- 2) More Komal
- 3) Shradhha Repal

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(Mr. H.K. Bhaladar)  
Project Guide

  
(Dr. A.S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal



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**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"Flood Detection using IOT"  
has been submitted by*

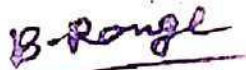
*Mini hardware Project Group No.:- A13*

- 1) Sushant Aldar
- 2) Patil Vishal Vijaykumar
- 3) More Rushikesh

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**(Ms.N.P.Kulkarni)**  
Project Guide

  
**(Dr. A.S.Vibhute)**  
Head, E&TC. Engg. Dept.

  
**(Dr. B. P. Ronge)**  
Principal



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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Sun tracking Solar Panel using Microcontroller"  
has been submitted by*

*Mini hardware Project Group No.:- A14*

- 1) Salunkhe Omkar
- 2) Pawar Sanjay
- 3) Chakote Digvijay
- 4) More Vikram

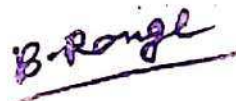
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(Ms. S.S. Kadam)

Project Guide

  
(Dr. A.S. Vibhute)

Head, E&TC. Engg. Dept.



(Dr. B. P. Ronge)  
Principal



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**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"Automatic Room Lightning using Microcontroller"  
has been submitted by*


*Mini hardware Project Group No.:- A15*

- 1) Vhargar Monali
- 2) Mule Saujanya
- 3) Kale Abhilasha

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(Ms. S.S. Kadam)  
Project Guide

  
(Dr. A.S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal



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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Google Assistant controlled Home Automation"  
has been submitted by*

*Mini hardware Project Group No.:- A16*

- 1) Yalmar Akash
- 2) Thorat Ashutosh Ramesh

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Electronics & Telecommunication Engineering as per curriculum laid by the  
Punyashlok Ahilyadevi Holkar Solapur University, Solapur during the  
academic year 2019-2020.*

A handwritten signature in black ink, appearing to read "P. Kashid", is written over a circular stamp.

(Ms. P. B. Kashid)  
Project Guide

A handwritten signature in black ink, appearing to read "A. S. Vibhute", is written over a circular stamp.

(Dr. A. S. Vibhute)  
Head, E&TC. Engg. Dept.

A handwritten signature in purple ink, appearing to read "B. Ronge", is written over a circular stamp.

(Dr. B. P. Ronge)  
Principal



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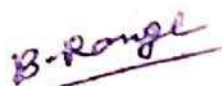
*This is to certify that the Mini Hardware Project entitled  
"Aurdino based smart Integration system"  
has been submitted by*


*Mini hardware Project Group No.:- A17*

- 1) Hegade Nikita
- 2) Lokhande Mayuri

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Electronics & Telecommunication Engineering as per curriculum laid by the  
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academic year 2019-2020.*

  
(Mr. A.D. Mali)  
Project Guide

  
(Dr. B. P. Ronge)  
Principal

  
(Dr. A.S. Vibhute)  
Head, E&TC, Engg. Dept.



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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Coridoor Light Controller using Microcontroller"  
has been submitted by*

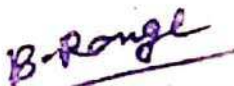
*Mini hardware Project Group No.:- A18*

- 1) Ghuge Ashwini
- 2) Gunjan Surekha
- 3) Khandekar Nisha

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Electronics & Telecommunication Engineering as per curriculum laid by the  
Punyashlok Ahilyadevi Holkar Solapur University, Solapur during the  
academic year 2019-2020.*

  
(Mr. M.S. Mathapati)  
Project Guide

  
(Dr. A.S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal



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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Design of Magnetic levitation using Microcontroller"  
has been submitted by*

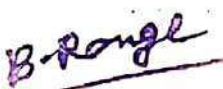
*Mini hardware Project Group No.:- A19*

- 1) Avadhut Renuka
- 2) Rajmane Manali
- 3) Shirame Amruta

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(Mr. A.K.A. Jadhav)  
Project Guide

  
(Dr. A.S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
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**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"Agricultural soil monitoring using IOT"  
has been submitted by*


*Mini hardware Project Group No.:- A20*

- 1 Kale Komal
- 2 Mirgane Shradhha
- 3 Ware saroja

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Electronics & Telecommunication Engineering as per curriculum laid by the  
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(Mr.D.P.Narsale)  
Project Guide

  
(Dr. A.S.Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal




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**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"Home automation using IOT"  
has been submitted by*


*Mini hardware Project Group No.:- A21*

- 1) Kadam Omkar
- 2) Dandawate Upendra

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(Mr. M. A. Deshmukh)  
Project Guide

  
(Dr. A. S. Vibhute)  
Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal



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*This is to certify that the Mini Hardware Project entitled  
"RBC TO WBC Blood count on Image Processing."  
has been submitted by*

*Mini Hardware Project Group No.:- B-01*

- 1) More Vaishnavi Jaysing
- 2) Devkate gayatri Chichalappa
- 3) Bhaganagare Aishwarya Rajesh
- 4) Nirmale Rutuja Narayan

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academic year 2019-2020.*

  
(Prof. Dr. A S Vibute)

Project Guide

  
(Dr. A S Vibhute)

Head, E&TC. Engg. Dept.

  
(Dr. B. P. Ronge)  
Principal



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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Bipolar LED Driver Circuit using Microcontroller."  
has been submitted by*

*Mini Hardware Project Group No.:- B-02*

- 1) Maske Akshay Rajendra
- 2) Katkamwar Shrinivas D
- 3) Suryawanshi Chandrashekhar

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Electronics & Telecommunication Engineering as per curriculum laid by the  
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academic year 2019-2020.*

(Prof. L. A. Palange)

Project Guide

(Dr. A. S. Vibhute)

Head, E&TC. Engg. Dept.

(Dr. B. P. Ronge)

Principal



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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Arduino based Home Automation using Node MCU."  
has been submitted by*


*Mini Hardware Project Group No.:- B-03*

- 1) Shinde Jyoti Sanjay
- 2) Korape Vaishnavi Sanjay
- 3) Shelke Puja Ramachandra

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Principal



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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Human Speed Detection using microcontroller."  
has been submitted by*


*Mini Hardware Project Group No.:- B-04*

1. Kumbhar Seema Ramdas
2. Dhekale Pratiksha Rajaram
3. Randive Ashwini Brahmdev
4. Ghadage Shivani Ganesh

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*This is to certify that the Mini Hardware Project entitled  
"LPG gas leakage Monitoring & Detection using  
microcontroller."  
has been submitted by*

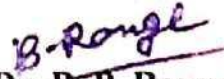
*Mini Hardware Project Group No.:- B-05*

1. Godse Shruti Nagesh
2. Dudhal Rutuja Suresh
3. Jagtap Suranjali Bandu

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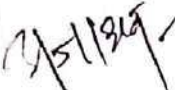
**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"IOT Based Home security system using Rasbery-Pi."  
has been submitted by*

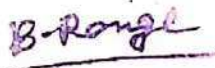
*Mini Hardware Project Group No.:- B-06*

1. Mane Priyanka Satish
2. Thengal pallavi Vishwas
3. Patil AShwini Bhausahab

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*This is to certify that the Mini Hardware Project entitled  
"Unit Remote control Home Automation ."  
has been submitted by*

*Mini Hardware Project Group No.:- B-07*

1. Jadhav Vrushali Arun
2. Molak Komal Tanaji
3. Ghonagade Prajakta Dilip

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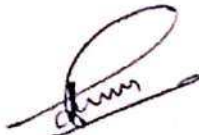
**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Vehical parking System using microcontroller ."  
has been submitted by*

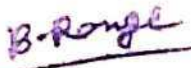
*Mini Hardware Project Group No.:- B-08*

1. Shaikh Saniya Abdulla
2. Wadtile Vaishnavi Janaradan
3. Indi Shivganaga Subhash

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*This is to certify that the Mini Hardware Project entitled  
"Fruit Detection System using IoT."  
has been submitted by*

*Mini Hardware Project Group No.:- B-09*

1. Ghodake Shubham Tukaram
2. Vhasale Sagar Appaso

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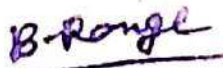
*Mini Hardware Project Group No.:- B-10*

1. Shaikh Shoib Ayub
2. Pathan Jameer Salim

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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Sun Tracking Solar panel using Microcontroller."  
has been submitted by*


*Mini Hardware Project Group No.: - B-11*

1. More Suhashini Balaji
2. Deokar Namrata Dattatray
3. Bagal Madhuri Navnath

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
**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Crying Baby Detector using Arduino ."  
has been submitted by*

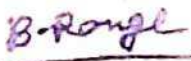
*Mini Hardware Project Group No.:- B-12*

1. Manepatil Arati Shahaji
2. Khandare darshana Rajesh
3. Walugude Pratiksha Ankush

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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Automatic Light controller using Microcontroller ."  
has been submitted by*

*Mini Hardware Project Group No.:- B-13*

1. Pujari sapna Siddharam
2. Vanve Suchita Bibhisham
3. Vidhate Dnyaneshwari Gorakh


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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Smart Blind Stick using Ultrasonic Sensor &  
Microcontroller."  
has been submitted by*


*Mini Hardware Project Group No.:- B-14*

1. Yadav Prajakata Dharmaraj
2. Gawali Renuka Sahadev
3. More Mayuri Arvind

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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Power Factor Improvement using Microcontroller."  
has been submitted by*

*Mini Hardware Project Group No.:- B-15*

1. Tapise Puja Digambar
2. Bannesur Laxmi Iranna
3. Jamagi Yogini Siddhappa

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**CERTIFICATE**


*This is to certify that the Mini Hardware Project entitled  
"Talking Energy Meter based on Microcontroller."  
has been submitted by*

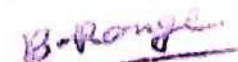
*Mini Hardware Project Group No.:- B-16*

1. Mukare Vaibhav S
2. Salunkhe Tushar T
3. Pundhare Nitin Vasudeo

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**CERTIFICATE**

*This is to certify that the Mini Hardware Project entitled  
"Light & Fan Control Using Microcontroller."  
has been submitted by*

*Mini Hardware Project Group No.:- B-17*

1. Gaikwad Amruta Balasaheb
2. Bharama Swati Shivlingappa
3. Bhosale Utkarsha Bharat

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*This is to certify that the Mini Hardware Project entitled  
"Light & Fan Control Using Microcontroller."  
has been submitted by*

*Mini Hardware Project Group No.:- B-18*

1. Deshmukh Abhishek Vilas
2. Parakhe Vallabh Sanjay

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