

Department of Electrical Engineering

List of Final Year Project

| Academic Year | Group No. | Name of Student | Name of Guide/Mentor | Project Title | Sponsored / Non-sponsored |
|---------------------|-----------------------------|----------------------------|---|---|---------------------------|
| 2018-19 | 1 | Kolhe Bhushan Vijay | Prof. R.N.Baji | IOT(Internet of things) based press machine | Sponsored |
| | | Patel Afreen Abdulraheman | | | |
| | | Pagare Aishwarya Pundlik | | | |
| | | Gadhawe Sonali Sukdev | | | |
| | 2 | Pawar Jitendra Bapurao | Prof. S.B.Sonawane | Electric go-cart using PVC Pipes | Non-Sponsored |
| | | Tayade Manish Sanjay | | | |
| | | Birare Pradnya Suresh | | | |
| | | Rahul Mistri | | | |
| | 3 | Chaudhari Lalit Arvind | Prof.S.S.Tidke | Petro electric gear bike | Non-Sponsored |
| | | Wagh Shubham Somnath | | | |
| | | Khairnar Vaibhav Dilip | | | |
| | | Jangam Sahil Yashwant | | | |
| | 4 | Pawar kalpesh Babaji | Prof. R.N.Baji | GPU DG testing and its test bed setup arrangement | Non-Sponsored |
| | | Patil Manish Pandurang | | | |
| | | Patil Shubham Shantilal | | | |
| | 5 | Rote Sunil Madhukar | Prof. R.N.Baji | Automatic self charging of electric vehicle | Non-Sponsored |
| | | Kothawade Shubham K. | | | |
| | | Rote Janardan Shirhari | | | |
| | | Pawar Akshay Ramdas | | | |
| | 6 | Chavan Aarti Prakash | Prof. R.N.Baji | Electrical bicycle | Sponsored |
| | | Sangamnere Shreyash kailas | | | |
| | | Sutar Prashant Kashinath | | | |
| | | Pagare Sagar Bandu | | | |
| | 7 | Patil Chetan Ravindra | Prof. S.B.Sonawane | Industrial process parameter monitor and control using internet | Non-Sponsored |
| | | Hire Roshan Balu | | | |
| | | Shewale Swapnil Sharad | | | |
| | | Ubale Satish Sampat | | | |
| | 8 | Marathe Kalpana Anil | Prof.S.S.Tidke | Resin making machine | Non-Sponsored |
| | | Patil Bhagyashri Sanjay | | | |
| | | Gavale Tushar Kailas | | | |
| Desale Kalpesh Babu | | | | | |
| 9 | Sanap Aishwarya Arun | Prof. R.N.Baji | Speed control of brushless DC motor control | Non-Sponsored | |
| | Pimprikar Mayuri Madhusudan | | | | |
| | Thakur Raveena Sanjay | | | | |
| | Patil Karishma Kiran | | | | |
| 10 | Handore Nilesh Babaji | Prof. R.N.Baji | Installation of vertical windmill | Non- | |
| | Baste Vibhav Ashok | | | | |

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| | | Sanap Akshay Pandurag Gajare Bhushan Dnyaneshwar | | | Sponsored |
| | 11 | Chavan Akshay V. Gadekar Akshay Subhash Dabe Ajay Vijayrao Mali Pradeep Kailas | Prof. S.S.Tidke | Harmonic reduction for power quality improvement of system | Sponsored |
| | 12 | Bhadane Amol Sahebrao Borhade Kalpesh Anil Warke Nilesh Vishnu Kolhe Prajwal Prakash | Prof. V.J. Patil | GSM based fault alert and prevent system for substation | Non- Sponsored |
| | 13 | Mali Pushpak Vasant Bhosale Shivam Abhay Giri Animish Milind Rulhe Vaibhav Kailas | Prof.N.V.Hadpe | Real time location and fault alert system for transformer with IWT using APP | Non- Sponsored |
| | 14 | Gaikwad Navnath Patil Charudatta Patil Harshit Jadhav Abhishek | Prof. S.B.Sonawane | Electricity distribution network monitoring and control using IOT | Non- Sponsored |
| | 15 | Chavan Ajay Sanjay Kadam Sanket Dilip Kalal Shubham Dhananjay | Prof. V. J. Patil | Patient health monitoring system | Non- Sponsored |
| | 16 | Patil Shubham Pravin Zalte Amol Babulal Pitrubhakta Vrushali Dilip Nikam Prashant Prabhakar | Prof.N.V.Hadpe | Programmable load shedding time management for utility department | Non- Sponsored |
| | 17 | Gangurde Kunal Shankar Sable Gautam D. Kshirsagar Swapnil U, Bodke Kunal Rajendra | Prof. V. J. Patil | Design of load sharing control using different sources system using PIC microcontroller | Non- Sponsored |
| 2019-20 | 1 | Sable Shubham Dattatray Thakare Sonali Chhabilal Nikam Saurabh Shankar Arote Mansi Sanjay | Prof. S.N. Hurpade | Cloud Based Monitoring of Transformer & Motor Parameters | Non- Sponsored |
| | 2 | Jadhav Pawan Jaysingh Joshi Shubham Sanjay Pathade Sambhaji Shivaji | Prof. R.N. Baji | Underground Fault Detection Using IOT Paltforms | Non- Sponsored |
| | 3 | Jagtap Sandesh Vijay Patil Priyanka Yuvraj Sonawane Mayuri Anil | Prof. R.N. Baji | Installation and Data Aqasation Systems on Metal Spary Machines | Non- Sponsored |
| | 4 | Firake Abhaishek Arun Barhate Aniket Vilas Jadhav Aniket Ajit Pawar Yogita Prakash | Prof. R.N. Baji | Automatic Coil Winding Machines | Non- Sponsored |
| | 5 | Thakare Avinash Ravindra | Prof. S.N. Hurpade | Automatic Water | |

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|----|---------------------------------|--------------------|--|---------------|
| 6 | Tangade Shubham Bhujang | Prof. S.N. Hurpade | Level Controller and Indicator | Non-Sponsored |
| | Pawar Dipak Arjun | | | |
| | Ujawane Aditya Shripad | | | |
| | Akolkar Mayur Satish | | | |
| | Mahajan Sachin Jagannath | | | |
| 7 | Kshirsagar Shubham Sanjay | Prof. R.N. Baji | Intergrated Electric Vehicle | Non-Sponsored |
| | Thakare Swapnil Bharat | | | |
| | Mandekar Kalyani Subhash | | | |
| | Suryawanshi Vaishnavi Gangadhar | | | |
| 8 | Sonawane Hrishikesh Santosh | Prof. R.N. Baji | Artificial Oxygen Tree and Street Lighting using Solar Panel | Non-Sponsored |
| | Gajare Manoj Tryambak | | | |
| | Kulkarni Kaustubh Kailas | | | |
| 9 | Jadhav Vishal Tulshidas | Prof.Gajare P.R | A Novel Approach for Implementing AC Series Motor For Electric Car | Non-Sponsored |
| | Godse Rushabh Dnyaneshwar | | | |
| | Jadhav Rahul Arun | | | |
| | Naikwade Abhijeet Pandit | | | |
| 10 | Mahatame Vishal Rameshwar | Prof. R.N. Baji | Intellectual Earthing Systems | Non-Sponsored |
| | Datir Dipali Vishnu | | | |
| | Phase Rameshwari Ganesh | | | |
| | Khairnar Rajeshwari Vishwas | | | |
| 11 | Yeole Gaytri Sanjay | Prof. R.N. Baji | Thermo- Electrical Generation using waste heat by Deep and Solar For Rural Electrification | Non-Sponsored |
| | Aher Dipali Dadasaheb | | | |
| | Gawli Ruchita Jaganath | | | |
| | Pawar Vishakha Sanjay | | | |
| 12 | Bharambe Megha Sudhakar | Prof. S.S. Tidke | Heliostat Solar Field Collector | Non-Sponsored |
| | Raykar Adesh Kashinath | | | |
| | Wagh Samadhan Sudam | | | |
| | Dhone Kiran Narayan | | | |
| 13 | Gajare Manoj Sharad | Prof. S.N. Hurpade | Wireless Charging Station for Electrical Vehicles | Non-Sponsored |
| | Ekhande Harshad Ramesh | | | |
| | Shahane Vaibhav Kailas | | | |
| | Bamnodkar Lokesh Vilas | | | |
| 14 | Jamadar Umesh Sanjay | Prof.Gajare P.R | Cooling of Power Transformer and Power Generation with saving | Non-Sponsored |
| | Bodke Sachin Walmik | | | |
| | Kakad Pratik Arun | | | |
| | Derle Dhanraj Bhausahab | | | |
| 15 | Jejurkar Darshan Badrinath | Prof. R.N. Baji | Garbage Sorting | |
| | Kadam Mohini Abhiman | | | |

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| | | Khare Sagar Vijay | | Robot cum river Cleaning Robot | Non- Sponsored | |
| | | Rajguru Anuja Attmanand | | | | |
| | | Wagh Manish Devidas | | | | |
| | 16 | Prof. R.N. Baji | Shinde Akash Sanjay | Renewable Energy Sources- Hybrid Electricity Generation using Thermocouple and Solar | Non- Sponsored | |
| | | | Borse Akshay Tukaram | | | |
| | | | Komalkar Shubham Rajendra | | | |
| | | | Patil Sarthak Dagajirao | | | |
| | 17 | Prof. R.N. Baji | Kalwaghe Vishwambhar B | Solar Electric Bicycle | Non- Sponsored | |
| | | | Mahajan Paresh Dilip | | | |
| | | | Sharma Seema Omprakash | | | |
| | | | Dhage Swapnil Ashok | | | |
| | 18 | Prof. Gajare P.R | Dusane Prerana Nitin | Solar Energy Based Refrigeration System Using Peltier Device | Non- Sponsored | |
| | | | Nikam Hrutuja Satish | | | |
| | | | Gaikwad Pranali Uttam | | | |
| | 19 | Prof. S.N. Hurpade | Patil Mukesh Chandrakant | IOT Based Battery Management | Non- Sponsored | |
| | | | Thakare Gaurav Digambar | | | |
| | | | Borse Jugal Jagannath | | | |
| | 2020-21 | 1 | Thorat Yogita | Prof. Baji R.N. | Faulted Pole Indicator by Utility Grid | Non- Sponsored |
| | | | Machhindranat | | | |
| Manwatkar Anushree Sanjay | | | | | | |
| Bhadane Bhushan Dileep Pagar Priya Vijay | | | | | | |
| 2 | | Prof. Baji R.N. | Patil Ragini Santosh | Wireless Power Transfer | Non- Sponsored | |
| | | | More Neha Kiran | | | |
| | | | Mahajan Sagar Chintaman | | | |
| | | | Bagul Gayatri Satish | | | |
| 3 | | Prof. Hurpade S.N. | Gupta Janvi Jayprakash | Smart Power Generation form Waste Heat by Thermo Electric. | Non- Sponsored | |
| | | | Shelke Neha Shivajirao | | | |
| | | | Borse Raj Purushottam | | | |
| | | | Girnare Yogesh Raghunath | | | |
| 4 | | Prof. Gajare P.R. | More Siddharth Sunil | Sag Insepation of Transmission Line by using Robotrics | Non- Sponsored | |
| | | | Patil Nitin Suresh | | | |
| | | | Bhole Tejswini Sunil | | | |
| | | | Dahale Rushikesh Satish | | | |
| 5 | | Prof. Hurpade S.N. | Dahale Aditya Ashok | Power Generation using Rainfall | Non- Sponsored | |
| | | | Prajapati Mukesh Pradeep | | | |
| | | | Jejurkar Vaibhav Sanjay | | | |
| | | | Pawar Ashutosh Arun | | | |
| 6 | | Prof. Gajare P.R. | Tajane Kalyani Dinanath | Automatic Restorant Ordering System. | Non- Sponsored | |
| | | | Dhatrak Akshada Ratnakar | | | |
| | | | Bothe Dhanashri Sunil | | | |
| 7 | | Prof. Baji R.N. | Sonwane Pravin Sadashiv | Optimization of solar- wind energy system for battery charging | Non- Sponsored | |
| | | | Kulkarni Rajanil Vikas | | | |
| | | | Sarowar Bhagyashri Sanjay | | | |

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| | | | | using MPPT | |
| | 8 | Chaudhari Vaibhav Arun Deore Pravin Hiranman Bhoyar Tushar Raju Thakur Kunal Ravindra | Prof.Baji R.N. | Power Generation technique using Speed Breaker | Non- Sponsored |
| | 9 | Sawala Vaibhav Kevalrao Rakshe Tushar Ravindra Tayade Akash Padmakar Bagul Harshal Ramchandra | Prof.Tidke S.S. | Smart sensor based charged capacitor emergency braking system for electrical vehicle | Non- Sponsored |
| | 10 | Thakare Chetan Sanjay Kharat Diksha Arun Adhav Ankita Prakash Somwanshi Shubham Vilas | Prof.Hurpade S.N. | Mirror Based Power Generation | Non- Sponsored |
| | 11 | Yelmame Siddhant Dhananjay Lokhande Rohan Bhagawan Ahire Abhishek Ajit Bhdarge Ashutosh Ambadas | Prof.Tidke S.S. | Quick Charging infrastructure for electric vehicles | Non- Sponsored |
| | 12 | Deore Kaveri Rajendra Bagul Rohit Ramdas Bachhav Prashant Vishvanath | Prof.Baji R.N. | Design of foot step power generation system | Non- Sponsored |
| | 13 | Bhadane Prasad Ulhas Gadekar Swapnil Vijay Lokhande Prempiyush Kailas Wagh Yogesh Sanjay | Prof.Tidke S.S. | Smart Helmet for Bike Ridder | Non- Sponsored |
| | 14 | Bharekar Snehal Sanjay Khairnar Ravina Harilal | Prof.Gajare P.R. | Solar Based Automatic & Mobile Control lawn Cutter Robo | Non- Sponsored |
| | 15 | Khakale Mukesh Sunil Raykar Chetan Uttam Kode Rishikesh Nitin Sangle Roshan Ramesh | Prof.Hurpade S.N. | IOT Based underground Cable Fault Detection using Aduino | Non- Sponsored |
| | 16 | Borse Shubham Rajendra Patil Vikram Prakash | Prof.Baji R.N. | Static Voltage Regulator | Non- Sponsored |
| | 17 | Shirke Nilesh Bapurao Wagh Sweety Balkrushna Rajput Shashank Sahebrao | Prof.Tidke S.S. | Solar Roof-Top System | Non- Sponsored |
| 2021-22 | 1 | Jagtap Aditya Santosh Kapadnis Gaurav Sunil Jangam Omkar Nandakumar | Prof.R.N.Baji | Renewable Pollution free Electrical Vehicle Charging Station | Non- Sponsored |

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|---------|-------------------------------|------------------------------|--|---|---------------|
| 2022-23 | 2 | Bhambare Shiddesh Santosh | Prof.R.N.Baji | Obstacle Avoiding Robot car | Non-Sponsored |
| | | Khambait Yogesh Yashwant | | | |
| | | Malche Dinesh Chhoturam | | | |
| | | Kadu Bhumeetkumar Nanabhai | | | |
| | More Sanket Ramesh | | | | |
| | 3 | Rajput Harshal Udaysing | Prof.P.R.Gajare | Green House Monitoring | Non-Sponsored |
| | | Tile Akash Sanjay | | | |
| | | Shedge Kiran Tukaram | | | |
| | 4 | Gavit Rohini Bhagawan | Prof.P.R.Gajare | Solar Based Electrical Vehicle Charging Station | Non-Sponsored |
| | | Tulangekar Sarvesh Sanjay | | | |
| | | Waghmare Pratiksha Gangadhar | | | |
| | | Sejul Rameshwar Balu | | | |
| | 5 | Sanap Shubham Santosh | Prof.S.N.Hurpade | Dual Energy Generator using Solar & Tidal Power | Non-Sponsored |
| | | Tushar Dattatray Vispute | | | |
| | | Patil Darshan Kishor | | | |
| | | Ubhale Ashish Pandit | | | |
| 6 | Pure Amit Subhash | Prof.S.N.Hurpade | IOT based Smart agriculture | Non-Sponsored | |
| | Chandolkar Mahesh Govindrao | | | | |
| | Mahajan Bhushan Devidas | | | | |
| | Girase Bhushankumar Vijaysing | | | | |
| 7 | Shewale Ritesh Deepak | Prof. S. S. Tidke | Smart Lift Operating & Controlling & safety by Using Microcontroller | Non-Sponsored | |
| | Kolte Prasad Anant | | | | |
| | Wanale Abhijit Manikrao | | | | |
| | Shinde Pratik Sanjay | | | | |
| 1 | Nikam Anant Shivaji | Prof. R. N. Baji | Intelligent Traffic control system | Non-Sponsored | |
| | Pagare Sakshi Ramesh | | | | |
| | Narkhede Poonam Vinayak | | | | |
| | Darshan Shriram Kale | | | | |
| 2 | Bhandare Pratik Waman | Prof. S. N. Hurpade | Battery Temperature Monitoring System with Cooling System | Non-Sponsored | |
| | Kurhade Tejaswini Anil | | | | |
| | Gore Pallavi Sanjay | | | | |
| | Gosavi Tanmay Shashikant | | | | |
| 3 | Vidhate Parth Shrikant | Prof. R. N. Baji | Electric Lineman Protection Using user Changeable Password Based Circuit Breaker | Non-Sponsored | |
| | Gangurde Rushikesh Eknath | | | | |
| | Satbhai Rushikesh Nageshwar | | | | |
| | Patil Nikhil Ramchandra | | | | |
| 4 | Sayyed Saif Wasim | Prof. P.R. Gajare | Smart Safety Sequence For HV Equipment and Maintenance Control | Non-Sponsored | |
| | Khairnar Prasad Govind | | | | |
| | Chide Suyash Sushil | | | | |
| | Bhoi Shubham Dattatray | | | | |



Kalyani Charitable Trust's
Late G. N. Sapkal College of Engineering

Kalyani Hills, Anjaneri, Trimbakeshwar Road,
Nashik - 422 213



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|---|--|------------------------|--|-------------------|
| 5 | Jagadale Anil Somnath | Prof. R. N. Baji | Solar Road With Wireless Power Transmission | Non- Sponsored |
| | Chalse Prashant Baburao | | | |
| | Dalvi Tejas Sunil | | | |
| | Kunal Vivek Shirsath | | | |
| 6 | Sumeet Ankush Hiwale | Prof. P.R. Gajare | Intergral Cycle Switching Without Generating Harmonics | Non- Sponsored |
| | Deore Ritesh Bhagwan | | | |
| | Gite Nikhil Ravindra | | | |
| | Mahesh Dattatray Dangare | | | |
| 7 | Patil Harshdeep Deelip Yeole Shubham Prakash Yash Rajendra Surywanshi Pawar Sandeep Baliram | Prof. S. S. Tidke | Charged Capacitor Braking For Electric Vehicle | Non- Sponsored |
| 8 | Birari Sanket Madhukar | Prof. S. N. Hurpade | IOT Based Gas Leakage Detector | Non- Sponsored |
| | Bokad Dipali Shankar | | | |
| | Kalunkhe Aniket Shantaram | | | |
| | Sawant Rushikesh Dadaji | | | |
| 9 | Borde Devdatta Sharad | Prof. S. S. Tidke | Dry Handwashing Machine by Fog Disinfection | Non- Sponsored |

Prof. R.N. Baji
Head of Electrical Department



Prof. (Dr.) S. B. Bagal
Principal

Prof. (Dr.) Sahebrao B. Bagal
Principal
Late G. N. Sapkal College of Engineering
Anjaneri, Nashik-422 213.

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

A

PROJECT REPORT

ON

“IOT BASED SMART AGRICULTURE”

Submitted as partial fulfillment of the requirement for the degree

Bachelor of Engineering

(Electrical Engineering)

By

Mr. GIRASE BHUSHANKUMAR VIJAYSING

B150762504

Mr. MAHAJAN BHUSHAN DEVIDAS

B150762510

Mr. PURE AMIT SUBHASH

B150762514

Under the guidance of

Prof. S. N. HURPADE



Department of Electrical Engineering

KCT's Late G. N. Sapkal College of Engineering, Anjaneri,

Nashik-422213

Academic Year 2021-2022

CERTIFICATE

This is to certify that Mr. BHUSHANKUMAR.V. GIRASE (B150762504), Mr. BHUSHAN.D. MAHAJAN (B150762510), Mr. AMIT.S. PURE (B150762514), of B.E. (Electrical Engineering) successfully completed project on "IOT BASED SMART AGRICULTURE" during the academic year 2021-2022 towards the partial fulfilment of degree of Bachelor of Engineering of Savitribai Phule Pune University under the Department of Electrical Engineering, Late G. N. Sapkal College of Engineering, Nashik.



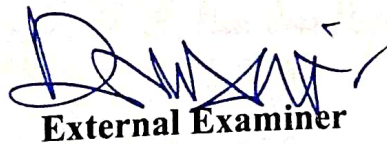
Prof. S. N. HURPADE
GUIDE



Prof. R. N. Baji
H.O.D.



Prof. (Dr.) S. B. Bagal
PRINCIPAL



External Examiner



SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

A

PROJECT REPORT

ON

“IoT BASED GAS LEAKAGE DETECTOR”

Submitted as partial fulfillment of the requirement for the degree

Bachelor of Engineering

(Electrical Engineering)

By

Mr. Rushikesh Dadaji Sawant (B190762528)

Ms. Dipali Shankar Bokad (B190762504)

Mr. Sanket Madhukar Birari (B190762503)

Mr. Aniket Shantaram Kalunkhe (B190762516)

Under the guidance of

Prof. Mr. R.N. Baji



Department of Electrical Engineering

KCT's Late G. N. Sapkal College of Engineering, Anjaneri,

Nashik-422213

Academic Year 2022-23

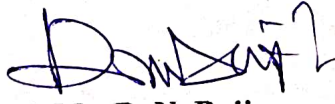
CERTIFICATE

This is to certify that **Mr Rushikesh D. Sawant, Ms. Dipali S. Bokad, Mr. Sanket M. Birari, Mr. Aniket S. Kalunkhe** of B.E. (Electrical Engineering) successfully completed project on **“IoT BASED GAS LEAKAGE DETECTOR”** during the academic year 2022-2023 towards the partial fulfillment of Degree of Bachelor of Engineering of Savitribai Phule Pune University under the Department of Electrical Engineering, Late G. N. Sapkal College of Engineering, Nashik.



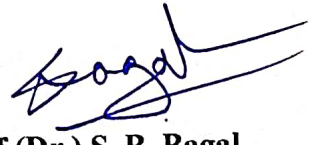
Prof. Mr. R. N. Baji

GUIDE



Prof. Mr. R. N. Baji

H.O.D.



Prof.(Dr.) S. B. Bagal

PRINCIPAL



External Examiner

