



POORNIMA
COLLEGE OF ENGINEERING

An autonomous institution approved by RTU, AICTE & UGC • NAAC A+ Accredited



Final Year Project List & Certificates (Session 2023-24) Department of Electrical Engineering

Program Name: B. Tech. (Electrical Engineering)
Program Code: EE

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)
• Phone: +91-9829255102, +91-9414728922 • E-mail: principal.pce@poornima.org
• Website: www.pce.poornima.org


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

Poornima College of Engineering
Department of Electrical Engineering
Project IV Year (2023-24)
Program Name: B. Tech. (Electrical Engineering) Program Code: EE

| Year | Section | Roll No | Name | Focus Area | Project No. | Project Title | Project Guide |
|------|---------|------------|-------------------|---|-------------|--|--------------------|
| IV | A | PCE20EE011 | PRIYANSHI MITTAL | PHOTOVOLTAIC MATERIALS & RENEWABLE ENERGY SOURCES | 1 | Solar Energy based EVS Project | Dr. Pravin Sonwane |
| IV | A | PCE20EE009 | LALIT KUMAR YADAV | | 1 | | |
| IV | A | PCE20EE003 | DIVYANSHU DHAKAR | | 1 | | |
| IV | A | PCE20EE005 | HITESH JARWAL | PHOTOVOLTAIC MATERIALS & RENEWABLE ENERGY SOURCES | 2 | Solar Based Outdoor Air Purifier & Air Quality Monitor | Mr. Rachit Saxena |
| IV | A | PCE20EE008 | KUNAL SAIN | | 2 | | |
| IV | A | PCE20EE001 | ADITYA YOGI | | 2 | | |
| IV | A | PCE20EE014 | GAGAN VERMA | DRIVES AND CONTROL & INTELLIGENT CONTROLLERS | 3 | Industrial Automation Using Joystick | Mr. Vineet Sharma |
| IV | A | PCE20EE010 | NASEEM AHAMAD | | 3 | | |
| IV | A | PCE20EE004 | NIKHIL YADAV | | 3 | | |
| IV | A | PCE20EE012 | NISHANT VERMA | DRIVES AND CONTROL & INTELLIGENT CONTROLLERS | 4 | Speed Control of Induction Motor using PWM Technique | Dr. Hemant Kaushik |
| IV | A | PCE20EE002 | ANKIT MARETHA | | 4 | | |
| IV | A | PCE20EE016 | SAPNA KUMARI | | 4 | | |

HOD EE
Dr. Pravin Sonwane

Project Coordinator
Dr. Gaurav Jain

**A
Project Report
On
Solar Energy Based EVS System**

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF TECHNOLOGY
in
Electrical Engineering**

**Submitted by
Divyanshu Dhakar (PCE20EE003)
Lalit Kumar Yadav (PCE20EE009)
Priyanshi Mittal (PCE20EE011)**

**Under the Guidance of
Dr. Pravin M. Sonwane
Professor & Head of Electrical Engineering Department**



(Session 2023-24)

**Department of Electrical Engineering
Poornima College of Engineering
ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022**

May, 2024

Dr. Mahesh Bunde
B.E., M.E., P.H.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, Jaipur

SOLAR ENERGY BASED EVS SYSTEM

A

Project Report

on

Solar Energy Based EVS System

submitted in partial fulfilment of the requirements of the award of the degree of

Bachelor of Technology

in

Electrical Engineering

by

Divyanshu Dhakar (PCE20EE003)

Lalit Kumar Yadav (PCE20EE009)

Priyanshi Mittal (PCE20EE011)

under the guidance of

Dr. Pravin M. Sonwane

Professor & Head of Electrical Engineering Department



(Session 2023-24)

Department of Electrical Engineering

Poornima College of Engineering

ISI-6, RIICO Institutional Area, Sitapura, Jaipur – 302022

May, 2024


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR



POORNIMA

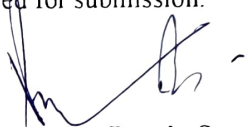
COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL ENGINEERING

CERTIFICATE

This is to certify that **Project** report titled **SOLAR ENERGY BASED EVS SYSTEM** has been submitted by **Divyanshu Dhakar, Lalit Yadav, Priyanshi Mittal** with **registration number PCE20EE003, PCE20EE009, PCE20EE011** in partial fulfilment for the award of the Degree of **Bachelor of Technology** in **Electrical Engineering** during the session 2023-24, Even Semester. The Project work is found satisfactory and approved for submission.


Dr. Gaurav Jain
Project Coordinator


Dr. Pravin Sonwane
Professor and Head, Electrical Engineering

Date: - 07/05/24


Place: - Jaipur

SUPERVISOR CERTIFICATE

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date: 07/05/24

Place: Jaipur


Dr. Pravin M. Sonwane
Professor and Head, Electrical Engineering

A
Project Report
on
Solar Based Outdoor Air purifier & Air Quality
Monitor

submitted in partial fulfillment for the award of the degree of
Bachelor of Technology
in

Engineering

Submitted by

PCE20EE008 Kunal Sain

PCE20EE001 Aditya Yogi

PCE20EE005 Hitesh Jarwal

Under the guidance of

Mr. Rachit Saxena

Assistant Professor




(Session 2023-24)

Department of Electrical Engineering

Poornima College of Engineering

ISI-6, RIICO Institutional Area, Sitapura, Jaipur - 302022

June, 2024


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, Jaipur

A
Project Report
on

Solar Based Outdoor Air purifier & Air Quality Monitor

**Bachelor of Technology
in
Electrical Engineering**

Submitted by
PCE20EE008 Kunal Sain
PCE20EE001 Aditya Yogi
PCE20EE005 Hitesh Jarwal

Semester- VIII

Under the guidance of
Mr. Rachit Saxena

Assistant Professor



Department of Electrical Engineering
POORNIMA COLLEGE OF ENGINEERING, JAIPUR
Rajasthan Technical University, Kota

May, 2024


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, FIICO Institutional Area
Sitapura, JAIPUR



POORNIMA

COLLEGE OF ENGINEERING

Certificate

This is to certify that **Project report** titled **Solar Based Outdoor Air purifier & Air Quality Monitor** has been submitted by **Kunal Sain** (PCE20EE008), **Aditya Yogi** (PCE20EE001), **Hitesh Jarwal** (PCE20EE005) with in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical Engineering during the academic session 2023-24, **VIII Semester**. The project work is found satisfactory and approved for submission.

Mr. Rachit Saxena
(Project Guide)

Dr. Gaurav Jain
(Project Coordinator)

Prof. (Dr.) Pravin Sonwane
(Professor and Head, EED)

Date: 09/05/2024

A

Project Report on

INDUSTRIAL AUTOMATION USING JOYSTICK

**submitted in partial fulfilment of the requirements of the award of
the degree of**

Bachelor of Technology

in Electrical Engineering

by

Gagan Verma (PCE20EE004)

Nikhil Yadav (PCE20EE011)

Naseem Ahamad (PE20EE010)

under the guidance of

Mr. Vineet Sharma,

Assistant Professor, EE Dept.




(Session 2023-24)

Department of Electrical Engineering

Poornima College of Engineering

ISI-6, RIICO Institutional Area, Sitapura, Jaipur - 302022

April, 2024


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, Jaipur

A
Project Report
on

INDUSTRIAL AUTOMATION USING JOYSTICK

submitted in partial fulfilment of the requirements of the award of the degree of

Bachelor of Technology

in

Electrical Engineering

by

Gagan Verma (PCE20EE004)

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Naseem Ahamad (PE20EE010)

under the guidance of

**Mr. Vineet Sharma,
Assistant Professor, EE Dept.**



(Session 2023-24)

Department of Electrical Engineering

Poornima College of Engineering

ISI-6, RIICO Institutional Area, Sitapura, Jaipur – 302022

April, 2024


Dr. Mahesh Bunde
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Director
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ISI-6, RIICO Institutional Area
Sitapura, JAIPUR



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DEPARTMENT OF ELECTRICAL ENGINEERING

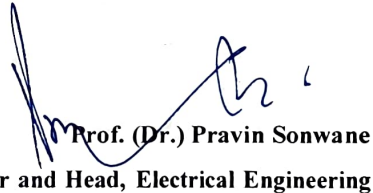
Date: 07/05/2024

CERTIFICATE

This is to certify that Non-Syllabus Project report titled **INDUSTRIAL AUTOMATION USING JOYSTICK** has been submitted by **Gagan Verma, Nikhil Yadav, Naseem Ahamad** with registration number **PCE20EE004, PCE20EE011, PCE20EE010** in partial fulfillment for the award of the Degree of **Bachelor of Technology in Electrical Engineering** during the session 2023-24, Even Semester. The NSP Project work is found satisfactory and approved for submission.


Dr. Gaurav Jain

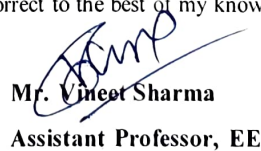
NSP Coordinator
Date: - 07/05/24
Place: - Jaipur


Prof. (Dr.) Pravin Sonwane
Professor and Head, Electrical Engineering

SUPERVISOR CERTIFICATE

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date: 07/05/24
Place: Jaipur


Mr. Vineet Sharma
Assistant Professor, EE

A
Project Report
on
Speed Control of Induction Motor Using PWM Technique
Submitted in partial fulfilment of the requirements of the award of
the degree

of
Bachelor of Technology
in
Electrical Engineering

Submitted by
Sapna Kumari (PCE20EE016)
Nishant Verma (PCE20EE012)
Ankit Maretha (PCE20EE002)

Under the Guidance of
Dr. Hemant Kaushik
Associate Professor




(Session 2023-24)

Department of Electrical Engineering
Poornima College of Engineering

ISI-6, RIICO Institutional Area, Sitapura, Jaipur - 302022

May, 2024


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, Jaipur

A
Project Report
on

Speed Control of Induction Motor Using PWM Technique

Submitted in partial fulfilment of the requirements of the award of the degree
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Submitted by

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Associate Professor



(Session 2023-24)

Department of Electrical Engineering

Poornima College of Engineering

ISI-6, RIICO Institutional Area, Sitapura, Jaipur – 302022

May, 2024


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
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COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL ENGINEERING

CERTIFICATE

This is to certify that **Project** report titled **Speed Control of Induction Motor Using PWM Technique** has been submitted by **Sapna Kumari (PCE20EE016), Nishant Verma (PCE20EE012), Ankit Maretha (PCE20EE002)** in partial fulfilment for the award of the Degree of **Bachelor of Technology in Electrical Engineering** during the session 2023-24, VIII Semester. The Project work is found satisfactory and approved for submission.


Dr. Gaurav Jain
Project Coordinator


Dr. Pravin Sonwane
Professor and Head, Electrical Engineering

Date: -

Place: - Jaipur

SUPERVISOR CERTIFICATE

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date: 9/05/24

Place: Jaipur


Dr. Hemant Kaushik,
Associate Professor


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIIICO Institutional Area
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