

Name: Santosh Singh Yadav

Mobile Number: +91 - 8527870485, +91 – 7355131749

E-mail: santoshdv1308@gmail.com



Objectives: To pursue a career with a company having global vision, which encourages creativity and offer an opportunity to learn and develop, both in professional and personal life, thereby simultaneously wish to utilize and enhance my technical knowledge to accomplish the goal of Organization.

TOTAL WORK EXPERIENCE: (2 Years+)

Profile Summary:

- Develop models, simulation and performance assessments to characterize systems.
- Handling of projects from end to end covering all phases of Project Management.
- Designed Home automation system based on internet of things.
- Designed Active buck boost controller to increase efficiency of Distributed generation.
- Knowledge of Induction machine and power electronics converter
- Organized short term courses on “ Electrical Design ”

Current Organization: RAMA UNIVERSITY , KANPUR (U.P)

Designation: Assistant Professor (Electrical & Electronics Dept.)

Date of joining: 15/01/2021 to Present.

Roles & Responsibilities:

- Responsible for B.Tech final year Project
- Handled Electrical machine, Power Electronics converter, Power system protection subjects.
- Understanding a project's scope and creating documents for project requirements.
- Regular and continuous follow up with the students for project execution.
- Arranged workshop for MATLAB and Arduino

Previous Organization: PRANVEER SINGH INSTITUTE OF TECHNOLOGY, KANPUR (U.P)
(2019-20)

Designation: Assistant Professor .

Previous Organization: JAIN COLLEGE OF ENGINEERING
(2018-19) BELAGAVI(KARNATAKA)

Designation: Assistant Professor .

AREA OF INTERESTS :

- Induction Machine
- Power Electronics
- Power System Protection
- Digital Electronics

SOFTWARE SKILL SET

- **Languages and Software Packages:** C, MATLAB

EDUCATION DETAILS:

- M.Tech (Power System) in 2018 from NIT, Tiruchirapalli.
- B.Tech (Electrical Engineering) in 2015 from JSSATE, Noida.

PROJECTS:

M.Tech Project: Active Buck Boost Inverter For Solar Based DGs.

Details: This project deals with a real-time household load priority scheduling algorithm based on prediction of renewable source (i.e. solar) availability. It is proposed to maximize the benefits of renewable sources and minimize the total cost of consumption of grid energy for given consumers comfort constraints.

IEEE Conference Paper: Solar Powered buck boost inverter based inverter Topologies for domestic Applications

Conference name: PEDES 2018

Conference location : IIT Madras

EXTRACURRICULAR ACTIVITIES:

- Gate Educator at Unacademy
- Coursera course on Solar energy basics and electrical power systems
- GIAN Course on “Intelligent Electrical Power Grid (IEPG)”.
- Short-Term Course on “Digital Controllers for Power Applications”.
- Student volunteer of Humanity club, NIT Trichy.

PERSONAL PROFILE:

Date of Birth: 13-Aug1994

Gender: Male

Status: Single

Reference: Furnished upon

request Passport: Available

Correspondence: 116/656 D-1 Rawatpur Gaon Kanpur nagar, Uttar Pradesh , India.