Arun Sastiya

B.Tech

SGSITS, Indore
Date Of Birth 11/12/1999
Email ID : arunsastiya1998@gmail.com

Enrollment No.: 0801EE171021

Department- Electrical Engineering

Gender : Male
Specialization: None
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Degree / Certificate	University / Board	Institute / School	Year of Passing	CGPA / Percentage
Graduation	RGPV	Shri GS Institute of Technology and Science, Indore	2021	6.15
12th	CBSE	S R public Sr Sec School Kota, Rajasthan	2017	60.20
10th	CBSE	Kendriya Vidyalaya Dhar, M.P	2015	9.8

Scholastic Achievement

- First level Qualification of NTSE Examination   2015
- Cleared Kendriya Vidyalaya junior Mathematics Olympiad   2015
- Secured Third Rank in National Science Olympiad   2016
- First level Qualification of RMO Examination   2016
- GATE Qualified   2021

Academic Projects

Audio Based Controller   Aug-Nov 2019
Arun Parakh

- It is Sonar-based auto controller designed using Arduino which control Water level.
  Control both tank underground tank to overhead tank fully automatically. Work With Any Single Phase Motor Home, Office ,Hospital, Restaurant, No Man Power Required to Operate As Fully Automatic with 2 HP capacity.

Power Supply   June-dec 2020

- power supply is to convert the power delivered to its input by the sinusoidally alternating mains electricity supply into power available at its output in the form of a smooth and constant direct voltage,
  High voltage supply to low voltage to fulfill the requirement of the components and in desired form (AC/DC).

Technical Projects

Mooshak(Robot)   Jan19-May19

- It is an IOT based project ,this machine just like mooshak is aimed to work under rough terrains and all those areas which aren't feasible to step into. With technical apprentices on it's back it can work under most hazardous condition.

Substation Monitoring & Control System   July20-May21

- The purpose of this project is to acquire the remote electrical parameters like voltage, current and frequency and send these real time values over network using IoT module along with temperature at power station. This project is also designed to protect the electrical circuitry by operating an SPDT relay. This relay gets activated whenever the electrical parameters exceed the predefined values. The relay can be used to switch off the main electrical supply. This system can be designed to send alerts whenever the relay trips or whenever the voltage or current exceeds the predefined limits.

Solar UPS Project   Jan 21- May21

- We propose a solar based ups project that uses solar energy to charge battery and then the DC battery is used to power an AC load using inverter. Our solar panel is used to constantly charge the 12V DC battery using charge controller circuitry. And once we turn on the load switch the battery charge is inverted and stepped up from 12V DC to around 140 – 150 V AC. This is now provided to the AC load. Thus our system successfully powers AC load using a solar panel and battery. The system can be used as a UPS in case of emergency power cuts or outage and has the capacity to work as a standalone system without the need of any external electricity supply.

Platforms Worked

- **Operating Systems**   :   Windows
- **Programming Skills**   :   MATLAB, LateX
- **Software Skills**   :   MS Word, MS Excel, MS PowerPoint ,Mathtype, Mathematica

Positions of Responsibility

Organizer, Codeventure, AAYAM ,2018
- Organized the event under computer engineering department on coding and its adventurous aspects**.**

Coordinator, Discipline Committee, AAYAM, 2017
- Organized annual college fest and maintained peaceful environment throughout the event.

Work Experience

Photon Solutions   **Aug'20-Jun'21**

- As a Subject Matter Expert, responsible for solving the given mathematical problems according to the prescribed guidelines.

Writo Solutions   **Aug'21-Nov'21**

- Internship as a Subject Matter Expert for mathematics subjects.

Lampros Tech Labs Pvt   **Feb'22-Mar'22**

- Worked as a content creator on behalf of brainly.in to create mathematical content for the company.

Digipplus   **Apr'22-Jun'22**
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- Internship as a Quality Analyst for the Mathematics Department.

PhysicsWallah   **Jun'22-Aug'22**

- • Worked as a Text Project Creator, responsible for creating text-based solutions for Physicswallah upto k12 and IIT-JEE level for the mathematics subject.

Extracurricular Activities

NSE Investor Fair, Indore   Aug' 19
- Attended Investor Fair organized by The National Stock Exchange of India Ltd.

Crane Craft, Trivim, SGSITS   Feb' 19
- Secured First position in the competition.

Workshop, SAE Club, SGSITS   Sept' 18
- Completed Workshop on SOLIDWORKS software.