

An enthusiastic electrical engineering undergraduate ensuring down-to-earth approach to project management.

## Skills and Knowledges

### General Skills

- Time Management
- Technical Documentation
- Project Management
- Leadership

### Technical Skills

- Power Electronics
- Battery Management System
- MATLAB and Simulink
- COMSOL Multiphysics
- AutoCAD, KiCAD, Proteus
- Python, C, C++, HTML, CSS, JS

## Education

2015-2017

**+2 / National School of Sciences (NIST), Kathmandu**

2017-PRESENT

**Bachelor of Electrical Engineering / Institute of Engineering (IOE), Pulchowk Campus, Lalitpur**

## Experience

### Organized “ELECTRICAL FORESIGHT 2019”

Has successfully organized a seminar entitled Electrical Foresight on 10<sup>th</sup> July 2019.

### **Energy Hackathon 2020 Participant**

The participation in one of the biggest hackathons of Nepal gave me an opportunity to learn good leadership and management skills apart from the technical skills.

### **Case Study-Industrial Automation for Nebico Biscuits Pvt Ltd.**

The case study involved four team members including me which tried to solve the problem occurring at Nebico Biscuits Pvt Ltd. due to poor packaging system by introducing an automated system.

### Instructor in “Workshop on MATLAB”

Has been an instructor in Workshop on MATLAB conducted by LOCUS 2021.

## Projects

### Let us Calculate

A really powerful calculator written in C program that is capable of performing basic arithmetic functions to complex matrix and calculus problems.

### **Automatic Street Light System**

An automatic lighting system that detects the movement of the vehicles and people at the night time and provides the lighting schemes accordingly.

### Circuit Simulator

A program written in C++ that is capable of simulating the electrical and electronics components.

### **Prepaid Energy Meter**

A GSM based advanced energy meter capable of providing prepaid service and protection against electricity theft.

### **AI Approach to develop efficient Battery Management System**

Our final year project involving four members including me which solves the problems encountered due to traditional methods used in the BMS by introducing an artificial intelligent approach.

## Awards and Achievements

### LOCUS 2020 WINNER/Electrical Category

Our project- **Prepaid Energy Meter** became the best electrical project in the LOCUS 2020 - the biggest technological exhibition of Nepal.