

# Sashanka Kumar Pramanik

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## Objectives:

To pursue a challenging career in an organization where enthusiasm, sincerity, honesty, hardworking, an excellent environment, and motivational factors will help and support me to utilize my knowledge and expertise for professional development.

## Employment History:

### **APR Energy (Diesel based 300 MW Power Plant) via Manage Well HR Service.**

Operation & Maintenance Engineer

In charge of Control Room operation.

Duration: May 2018 – March 2022

Company Location: Keraniganj, Pangao Port Area.

## Special Training:

- Firefighting and Fire suppression system Training.
- Diesel based engine maintenance (level2) training and work experience.
- Sub-station maintenance & operation training.
- First Aid, CPR (Cardiopulmonary Resuscitation) & AED (automatic external defibrillator) Training by **Bangladesh Professional & Skill Training Center.**
- Fuel Tank area maintenance, fuel delivery process with automatic pump control system and vessel ship to tank fuel transfer process.
- Initial fuel testing and reservation, Oil sample testing, Coolant testing for partials.

## Responsibilities:

### **In charge of Control Room operations.**

(High Voltage, Low Voltage Breaker operations. Maintaining communication with field to control operation, Switch yard inspection, Load maintain depending on NLDC's demand.)

- **Managing monthly salary statements** calculating leaves, overtimes, total working hours, salary deductions.
- **Processing of work orders depending on work type, Safety protocols**, time durations and after work done need to keep records of maintenance documents, and update it in main database, and secure the hard copy.
- **Keeping records all generators issues** and maintaining different documents depending there sections.
- **Inventory management of Operations Equipment's and Supplies.**
- **Processing of incident reports depending on incident and risk evaluations.** Such as Grid to sub-station failure, Transformer damage issue, Generator mal-functions or any other technical incidents.
- Worked in an Installation team,  
(Set up new Diesel based generators, testing all Connections.)
- Setup 8 MVA & 4 MVA Transformers, Switch yard Installation  
(Air & Oil cooling base transformers also Maintenance the transformer; PF correction, Capacitor Bank installation & testing, Reactor Installation, CT, CBT, PT Installations, Regular inspection of Generators)
- Generator Inspection. (Checking for any fault, Cooling tower leakage inspection, Coolant level inspection)

## **Solar Electro Bangladesh Ltd.**

Assistant Manager

Duration: February 2<sup>nd</sup> 2016 - April 30<sup>th</sup> 2016

Company Location: 21/A, Banani, Dhaka.

## Responsibilities:

- **Visiting and creating monthly report of Solar Project sites.**
- Power distribution Electrical components Calculations of Solar base power system.
- **Arranging Meeting Materials with clients and IDCOL project provider.**

**Academic Qualification:**

Exam Title	Concentration/Major	Institute	Passing Year
BSc	Electrical & Electronics Engineering	American International University-Bangladesh	2016
HSC	Science	N.S Govt College, Natore	2011
SSC	Science	Municipal Model High School	2009

**Research Work:**

Project Title	Description	Technologies
A VOICE CONTROLLED ROBOT FOR CONTINUOUS PATIENT ASSISTANCE (Final project of AIUB)	In this project, we have aimed to design a fully voice controlled robot which can work round the clock as an assistant in hospitals. The intention was to design a cost-effective robot which can work in the absence of a nurse, thus reducing overload on workers or solving staff shortage situations. This robot is also energy efficient and does not consume so much of power. The design chosen for the robot is such that it can move freely for its size and have user-friendly features for a hospital and patient to take care of his/her needs.	Python, Raspberry & Arduino based Controlling system, WiFi Wireless communication system, Camera and Object detection system with (Open CV) Python Library, Eassy VR Microcontroller system for voice detection.

**Technical Skills:**

- Micro-controller (Atmel, Arduino, Raspberry Pi)
- Software (Protious, Auto CAD, Eagle, Matlab, Micro c Pro,Etc)

**Achievement (Academic):**

- **Participated in University Rover Challenge 2016** representing American International University-Bangladesh(AIUB),
  - **Secured 8<sup>th</sup> place in Fobos Level.**
  - Utah, USA
- **IEEE Publication, (2 Conference Paper)**
  - **A VOICE CONTROLLED ROBOT FOR CONTINUOUS PATIENT ASSISTANCE (Main Author)**
  - **6 Wheels Rover for Mars desert. (From Japan.)**
- IEEE PCB Learning Workshop Moderator AIUB Student Brunch.
- CS Fest 2016, Workshop in Robotic Main Speaker.

**Extra curriculum:**

- Advisor of AIUB Arts Club (Recent)
- Volunteer at IEEE AIUB student brunch.
- Mentor & senior Executive at AIUB ARTS CLUB.
- 2<sup>nd</sup> Inter Private University Art Exhibition Organizer.
- Founder Member of AIUB Robotic Crew (2016)

**Reference:**

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