

CURRICULUM VITAE

SUDIPT KUMAR MANDAL

ADDRESS: Plot No: 998, 3555, Green Park, Jagamara, Khandagiri,
Bhubaneswar, 751030

Ph: +91 7608831190, 7008973479

E-mail ID: skmandal6135@gmail.com



Career Objectives :

- To use all my skills, knowledge, abilities to the optimum
- To be a resourceful personality
- To gain more and more experience in an organization
- To obtain a position that will enable me to use my strong organizational skills, sound educational background, and ability to work well with people.

Academic Qualifications :

- Degree :- **M.Tech in Power Electronics And Drives (2015 – 2017)**
Institute :- College Of Engineering And Technology(Bhubaneswar)
University :- BPUT(Odisha)
C.G.P.A :- 8.43 (79.3%)
Year of passing:- 2017
- Degree :- **B.Tech (ELECTRICAL)**
Institute :- Institute of Technical Education & Research(Bhubaneswar)
University :- Sikhsha 'O' Anusandhan University(Odisha)
C.G.P.A :- 8.35 (76 %)
Year of passing:- 2013
- Degree :- **12th**
Institute :- Kalinga Bharati Residential College(Cuttack)
University :- Council Of Higher Secondary Education(Odisha)
Marks :- 79.16%
Year of passing:- 2009
- Degree :- **10th**
Institute :- Saraswati Vidya Mandir (Bargarh)
University :- Board of Secondary Education(Odisha)
Marks :- 88%
Year of passing:- 2007

Academic Project(M.Tech) :

- **Title** – Packed U Cell(PUC) Multilevel Inverter(MLI) for Standalone Application with Harmonics Reduction.
- **Objective** – Application of packed U cells (PUC) and a selective harmonics elimination using Genetic Algorithm in asynchronous machine.
The aim of the genetic algorithm technique is to achieve selective harmonics elimination, under various operating conditions, asynchronous machine current injection with unity power factor and low Total Harmonic Distortion (THD) while balancing the capacitor voltage. Theoretical analysis, simulation, and experimental results to be presented and compared in this work using MATLAB/Simulink.
- **Results** – All simulations using MATLAB/Simulink environment has been performed successfully and results are satisfactory.
Achieved total harmonics distortion (THD) of output current and voltage as 7.83% and 13.38% respectively and a steady speed curve of the asynchronous machine
- **Future Scope** - Experimental investigations can be done on PUC Inverters by developing a prototype model in the laboratory to verify the simulation results applying different optimization techniques.
Further this can be extended to large scale standalone applications of renewable energy.

Summer Internships(B.Tech) :

- **Organization** : **Orissa Power Transmission Corporation Ltd.**
Project Title : Transmission & Distribution System
Duration : 18/05/2012 to 17/06/2011 (31 days)
Details : Includes classroom teaching and field training in the following switchyard and load despatch centre:
 - 220/132/33 kV Grid Substation, Chandaka, Bhubaneswar
 - 400/220 kV Grid Substation, Mendhasal, Khurda
 - State Load Despatch Centre, OdishaTraining was based on following objectives:
 - Operation and maintenance of switchyard and its equipment
 - Operation and maintenance of transformer, Circuit Breakers
 - Overview of overhead transmission lines and cables
 - Distribution in the electrical network
 - Safety and safe working practice
- **Organization** : **ACC Limited Bargarh**
Project Title : Thermal Power Generation, Transmission and Synchronization
Duration : 15/05/2011 to 05/07/2011 (50 days)
Details : Overall training on Industrial networks' architecture, operation of different units of thermal power plant, transmission and synchronization of the power.

Field of Interest :

Renewable energy and Automobile industries – There are huge applications of power electronics and drives.

Personal Details :

Name : SUDIPT KUMAR MANDAL
Date of birth : 20th MAY 1992
Mother's Name : Mrs. GITARANI MANDAL
Father's Name : Mr. BARUN KUMAR MANDAL
Passport No. : L3224667
PAN No. : CNBPM5007K
Sex : Male
Nationality : Indian.
Languages known : English, Hindi, Oriya, Bengali
Hobbies : Cooking
Karaoke Singing
Strengths : Dedicated, Adaptive, Ability to work in a team.

Declaration :

I hereby declare that the above mentioned particulars are true to the best of my knowledge and belief.

PLACE: Bhubaneswar

Signature