



# CURRICULUM VITAE

**Samarjit Singh**

Email ID: samar.ee2010@gmail.com

**Contact** – 7008498940,9778473842

## **OBJECTIVE**

Seeking a challenging position to utilize my skills and abilities in area of Teaching and Education that offers a professional growth while being resourceful, innovative and flexible.

## **KEY SKILL**

- An innovative and knowledgeable professional above 12 years of teaching experience.
- Proficient in developing new lessons and activities to expand learning opportunities.
- Extensive participation on committees and extra-curricular activities.
- Excellent knowledge of the subject and also has great practical knowledge.
- Strong team building, decision-making and people management skills.
- Assess, review and evaluate student activities and progress
- Evaluate, monitor and mentor student academic progress.
- Guide, lead and mentor students in research projects.
- Create, innovate and implement career-enhancement programs and activities.

## **Academic Profile**

<b>Course</b>	<b>Specialization</b>	<b>Board/ University/Institute</b>	<b>Percentage</b>
10th	Science	Bihar School Examination Board, Patna.	59%
12th	Science	B.I.E.C ,Patna	62%
B-Tech	Electrical Engineering	West Bengal University & Technology, Kolkata.	68%
ADCA	Advance Diploma In Computer Application	Charles Computer Centre, Registered by Govt. of Bihar,Patna	80%
M-Tech	Power Electronics & Drives	NIT Bhubaneswar(BPUT,Rourkela)	80.10%
Ph.d	Renewable Energy Sources	NIT Jamshedpur	Pursuing

## Experience detail

Designation	Name of Organization	Subject Taught	Duration		Year of Exp
			From	To	
Assistant Professor (Electrical Engg)	Black Diamond Engg College, Odisha.	1).EM –I. 2).E.M-II. 3).PSOC. 4).EMT. 5).Control	Aug -2012	Jan-2018	5 year & 5 month
Assistant Professor , HOD(ElectricalEngg)	Sityog Institute of tech. Aurangabad Bihar	1).EPTD 2).IDC. 3).EM-2 4).CSE	Feb-2018	Nov- 2022	4 year 9 month
Assistant Professor	Yashoda Technical Campus(YTC),Satara, Maharastra	HVE,ETU EMD	Nov-2022	Till date	

## Additional Responsibility

- NBA Creteria 3 incharge
- Exam coordinator of YTC (yashoda technical campus-AY-2022-23)
- Institution's Innovation council (IIC)-Coordinator.
- EESA Coordinator (AY-2022-23)
- Sports Coordinator
- Institute News letter Incharge
- Time Table Coordinator
- Second Year Class Coordinator
- Electrical Macine Lab Incharge

## **FDP ,Seminar and Workshop**

1. One Week FDP on Hybrid Electric Vehicle ,Organized by Dr. Bapuji Salunkhe Institute & Tech ,Kolhapur ,Department of Electrical Engineering ,under ISTE Faculty Chapter in OCT-2024.
2. ISTE Approved Faculty Development Program on “Applications of Power Electronics in Electrical and Electronics Engineering(Online)”Organized By Department of Electrical Engineering, Dnyanshree Institute of Engg & Tech., Satara (Degree)-(19th to 23rd Aug-2024).
3. One week Faculty Development Program on “Deep Learning and IOT driven smart Application”organized by Department of Computer Science & engineering MLRIT (24TH to 29TH June-2024)
4. One month internship in Artificial Intelligence from April 29th to May 29st 2024 at NoviTech R&D Private Limited
5. Three days Faculty Development program on “Empowering Mobility:The Role of Power Electronics in EV Development and Interfacing of IC Engine and EV” held During 18/03/2024 to 20/03/2024 organized by the Department of Electrical & Mechanical Engineering, Yashoda Technical Campus, Faculty of Polytechnic, Satara in association with ISTE Faculty Chapter.
6. Participated in IP Awareness/Training program under “NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION” Intellectual Property Office, India on January 20, 2024
7. Three Days National Level Online Faculty Development Program “Research paper writing and IP Rights” in collaboration with The Institution of Engineers (India)-Sapur Local Center(18th to 20th jan -2024)
8. ISTE approved Short Term Training program (STTP) on “Future Trend and Advances in Electrical Engineering”Organized by Department of Electrical Engg Anna Saheb Dange College of Engg & Technology Ashta (1st to 5th jan-2024).
9. Three Days National Level Online Faculty Development Program On “ Outcome Based Education and NBA Process in collaboration with The Institution of Engineers (India)-Solapur Local Center(28TH to 30th dec-2023)
10. Attended Webinar on “Importance of Power Electronics IN Electric Vehicle” organized by –ISIEINDIA (18th sep-2023)
11. Attended Webinar on “Battery Management System & electric Battery” organized by –ISIEINDIA (4th Sep-2023)
12. Participated Online Webinar on “Application of AI Techniques for power system protection”organized by Department of Electrical & Electronics Engineering VAIGAI College of Engineering in Association with IIC (28-JUL-2023).
13. One Week Faculty Development Program on "Renewable Energy Sources for Sustainable Development" held during 20/02/2023 - 24/02/2023 Organized by the Department of Electrical Engineering, Yashoda Technical Campus in association with ISTE Faculty Chapter.
14. ”How to write research article and publish in journal “Organized by Yashoda Technical Campus Satara, in association with ISTE Faculty Chapter. (13-2-2023 TO 17-02-2023)
15. Has attend a webinar on “power system scenario” that is organized by the department of electrical engineering, Sityog institute of technology on 14th February 2022, by Dr. D.P. Kothari (Speaker)- Honorary Adjunct Professor VNIT, Nagpur former Director i/c IIT Delhi.
16. Attended short term training programme through ICT Mode on “Modern Manufacturing System” organized by Sityog Institute of Technology, Aurangabad-Bihar under NITTR, Kolkata from 18/02/2019 to 22/02/2019.

17. Attended short term training programme through ICT Mode on “Introduction to Network Security” organized by SIT under NIITR, Kolkata 03/12/2018 to 07/12/2018.
18. A part of workshop on M.S.M.E Tools Ranchi, organized by SIT Department of Electrical Engineering.
19. A part of National level seminar (Interface between ESP Teaching and Communicative proficiency Acquisition) Organized by BDCET, Jharsuguda Odisha in 2017.
20. Certified as a Counsellor by “DISTRICT LEVEL YOUTH RED CROSS STUDY CUM TRAINING CAMP’ Jharsuguda Odisha-2015.

### **Conference:**

1. A research paper on “Investigation of High Switching Frequency Dual Active Bridge Converter for Electric Vehicle Application” has been presented in 5th International Conference on Circuits, Control, Communication and Computing 14C-2024 under IEEE Bangalore Section, organized by Ramaiah Institute of Technology.
2. A research paper on “Investigation of Magnet Materials for In-Wheel BLDC Motors for Low power Electric Vehicle Application” has been accepted for presentation at the 1<sup>st</sup> IEEE International Conference on Green Industrial Electronics and Sustainable Technologies (GIEST-2024) Organized by EE department NIT Manipur.
3. A research paper on “Investigation of ATH and SiO<sub>2</sub> Nonfilter to improve the Performance Characteristics of Outdoor Porcelain Insulators Under Desert Environment Conditions” has been accepted for presentation at the 1<sup>st</sup> IEEE International Conference on Green Industrial Electronics and Sustainable Technologies(GIEST-2024) Organized by EE department NIT Manipur

### **Research Publication:**

1. An IEEE conference paper on “Investigation of High Switching Frequency Dual Active Bridge Converter for Electric Vehicle Application” has been indexed in SCOPUS  
Ref: <https://www.scopus.com/authid/detail.uri?authorId=59471100800>
2. An IEEE conference paper on “Investigation of High Switching Frequency Dual Active Bridge Converter for Electric Vehicle Application” has been Published in IEEE journals, **ISBN:979-8-3315-2854-6, ISSN:473-7690 in November-2024**  
DOI: [10.1109/I4C62240.2024.10748456](https://doi.org/10.1109/I4C62240.2024.10748456)
3. A Review Article in “Study of MPPT Techniques in PV Based Renewable Energy System” has been published by International Journal of Innovative Trends In Engineering (IJITE) ,Issue 111, Volume 74, Number 03, March 2022,e-ISSN: 2395-2946

### **Patent:**

A patent paper on “**A SYSTEM FOR HEALTHCARE ASSESSMENT FOR PREDICTIVE ANALYSIS**” has been published in Aug-2024.App no-202421056246.

### **Technical Membership**

- Life Member of the Indian Society for Technical Education (ISTE) —Membership ID is 140354.
- Membership of the International Association of Engineers (IAENG)- Membership number is: 356047.

## Academic Project

1. Temperature control Ni-Cd Battery charger (With the help of step down T/F of 16V & 1.6A and induction type relay), using Thermistor
2. A minor project on Automatic Load sharing of GRID.
3. Involved in Academic project "INSTALLATION OF SOLAR PANEL WITH HYBRID INVERTER" with student as a GUIDE.
4. Involved in Academic project of "AUTOMATIC STREET LIGHT SWITCHING" with student as a GUIDE.
5. Involved as a GUIDE to install lightning arrester(range of 100m radius) to protect our building of institute

## Training

- Three week Training in ELECTRICAL DEPARTMENT OF EASTERN RAILWAY, SEALDAH.JAN-2009
- One Month Vocational Training in BANDEL THERMALPOWER STATION,HOOGLY, W.B. JULY-2009 to AUG-2009.Vocational Training in B.S.N.L Patna.

Under the guidance of Executive U.S Prasad we learned-

- Inverting and converting unit
- Transmisson PULSE CODE MODULATION.
- Code Division multiple Access
- Global for Mobile communication.

## Title of M-Tech (Elect) Thesis

Submitted the thesis report on speed control of 'UNIFIED POWER QUALITY CONTROL USING FUZZY LOGIC CONTROLLER'.

**Research Interest:** Renewable energy sources & Electric Vehicle

## Personal Detail:

**DOB:** 10-05-1985 ,**Sex:** Male ,**Language:**Eng ,Hindi ,**Marital Status:** Married

**References:-**Mr. U.S Prasad (S.D.E Patliputra Exchange)Mr. A.C Ghosh (General Manager bandelthermal power, hoogly, W.B)

**Declaration-** I hereby solemnly affirm that the information given by me is true up to my knowledge and belief.

**Date:**

**Samarjit Singh**