RESUME

**SANDIP KUMAR DAS**

## At-K.M.B.M STREET, WARDNO-5,

**BARIPADA, MAYURBHANJ,PIN-757001 Mobile-9437161553, 7008027492**

# Career Objectives:

To make challenging career in a dynamic and result oriented organization where I can put my skills and experience to the best , there by leading to the growth of the organization and above all pursue a challenging and motivating career .

# Technical Qualification:

1. Continuing **Ph.D** in Electrical Engg. At KIIT University, Odisha (course work completed with 8 CGPA) ,Submission of Thesis in 2025
2. Passed **M. Tech**.(Spl. Power Electronics & Drives ) in Electrical Engineering Branch under

Siksha ‘O’ Anusandhan University,I.T.E.R., Odisha with a CGPA of 8.32.

1. Passed Sec. A & B of the Institution of Engineers (INDIA) in Electrical Engineering Branch.

# Extra Qualifications:

1. Diploma in Industrial Relations and Personal Management Indian Council for Labor Management, Chennai.
2. Diploma in Quality Control Management & ISO 9000 NIIRD (An associate of NIHRD, Chennai).
3. Export marketing Certificate Course-U.P. Export Corporation, Kanpur.
4. Certificate and Diploma Course in Computer Application.

# Membership:

1. Life member- ISTE.
2. Life member -The institution of Engineers (India)
3. Professional member-InSc
4. Member-IFERP
5. Member- NITTSD
6. Life Member- GAR Net

# Experience:

## Educational:

1. Worked as Lecturer in PPC, CHENNAI

From July 2001- July 2006

1. Worked as Lecturer in TAT,BBSR From August 2006 – August 2008
2. Worked as Asst. Professor in Gandhi Engineering College.,BBSR

From August 2008 to August 2011.

1. Worked as Asst. Professor (ex-HOD) in Nalanda Institute of Technology, BBSR. From August 2011 to 06.01.2013
2. Worked as Asst. Professor in Gandhi Engineering College, BBSR From 07.01.2013 to 31.03.2018.
3. Worked as Associate professor in Raajdhani Engineering College, BBSR -From 27.08.2018 to 16TH Nov 2020.

## INDUSTRIAL:

1. Worked in an NGO(Undertaking TRYSEM programs electrical) July 1993-98(five years)
2. Worked in Microprocessor based Medical &Control instrument house (Chennai) as Marketing Engineer .June1999-2000 (One year).
3. Worked as Production Engineer in SRPL, Kuarmunda (Rourkela) Dec 2000-June 2001 (Six months).

## WORKSHOP AND SEMINAR ATTENDED

1. Attended AICTE sponsored national seminar on schemes in non- conventional power integrated distributed power generation systems organized by dept. of EEE, Gandhi Engineering College, BBSR from 24th Dec. to 25 Dec. 2013.
2. Attended to ISTE workshop on “Signals and Systems” conducted by IIT, Kharagpur from 2nd to 12th January 2014 under NMEICT (MHRD), organized by Gandhi Engineering college, BBSR.
3. Attended 7th national workshop on “Emerging Technologies in Electrical Power Engineering (NWET-2014) conducted by silicon institute of technology, BBSR on 27th February to 1st March 2014.
4. Attended national workshop on emerging technology in electrical power engineering (NWET-2015) conducted by silicon institute of technology, BBSR from 19th Feb. to 21st Feb. 2015.
5. Attended 2 day seminar on “Understanding smart grid & recent advances” from 4th -5th Dec. 2015 organized by Dept. of EEE, silicon institute of technology, BBSR with technical association from IEEEPES chapter, India Council.
6. Participate in AICTE recognized short term course on “Entrepreneurship Development & Global Business Foundation skills through ICT conducted by NITTTR, Chandigarh from 2nd May to 6th May 2016 at Gandhi Engineering College, BBSR.
7. Participated in AICTE recognized short term course on “Repair & Maintenance of Buildings “through ICT conducted by NITTTR, Chandigarh from 22nd Aug. 2016 to 26 Aug. 2016 at Gandhi Engineering College, BBSR.
8. Completed Suryamitra Training Programme-in August 2018.
9. Completed short term training programme through ICT mode on Measurement and Control for Industrial Automation by NITTR, Kolkata form 11.03.19 -15. 03.19
10. Participated in TEQIP-III, VTU, and AKV & BPUT Supply FDP ON “Modern Power electronic trends solution for Renewable energy & Microgrid applications” at REC, BBSR- From 02.12.19-07.12.19.
11. Participated in TEQIP-III, BPUT, Odisha sponsored FDP On “Application of Soft Computing Techniques to power system operation & Control from 06.01.20-10.01.20 at Synergy Institute of Technology, BBSR.
12. Participated in TEQIP-III & BPUT Supported National Seminar programme on “Recent Advanced Technology in Control of electrical Power & energy system” at BEC, BBSR from 24.01.2020-25.01.2020

## WEBINARS ATTENDED

1. Participated in Webinar on “Role of Intellectual Property & technological innovation for

Sustainable development of Indian economy during Covid-19-16.06.2020 at GEC, BBSR

1. International Webinar on “Emerging Trends in A.T & Data Science” at GEC,BBSR- 07.07.2020
2. Webinar on “Future energy Challenges in Green Technology” at GIET, BBSR-09.06.2020.
3. International Webinar on “Application of Cryptography in Communication Engineering”

at GIET, BBSR-16.06.2020.

1. International Webinar on “An overview of Climate Change Assessment; Global & Regional” at GIET-20.06.2020.
2. Webinar “How to write a Research Paper” by Sinhgao College of Engineering , Pune- 18.07.2020.
3. Webinar on “MV Motor modeling and Starting analysis using ETAP Software organized by Rajlaxmi engineering College, Thandalaum, Chennai on 09.08.2020
4. Webinar on “Thermoplastic Composites for sustainable Future opportunities with Recycling, Repair and Reuse” by SIT, BBSR on 10.08.2020.
5. Webinar on “Impacts of Covid-19 Pandemic on MSME Sector by KS College in association with IBA (Indian Economics Association) on 10.08.2020.
6. National Webinar on “Hybrid Energy Storage System” Organized by SIET, Dhenkanal on

11.08.2020.

1. Webinar on “Monitoring System for a grid Connected Photovoltaic Plant” by Swarna

Bharati Institute of Science & Technology, Telengana on 12.08.2020.

1. National Webinar on “The Future of Renewable Energy in India: Target and challenges”

Organized by SIT, Bhubaneswar on 12.08.2020.

1. National Webinar on “Next Gen Digital Network Transmission” organized by SIT,

Bhubaneswar on 09.08.2020.

14. National Webinar on “Low power VLSI circuit & Energy Harvesting for IOT Applications”

Organized by Sreenidhi institute of Science & Technology Hyderabad on 15.08.2020.

15. Webinar on “Next Generation Automotive Technologies” organized by RITE,

Bhubaneswar in association with Elite Techno groups on 06.08.2020.

## IEEE

* Completed ‘1’ professional Development hour in “Wireless Charging for Autonomous Electrified Micro –mobility Devices: A Real world solution for smart cities to be pandemic –ready on 30.06.2020.
* Completed ‘1’ Professional development hour in Design Consideration for Transforming in Full-Bridge phase shift converters
* Completed ‘1’ Professional development hour in “How to effectively use LinkedIn to

Further ones Career” on 22.07.2020.

* Completed ‘1’ Professional development hour in “Emerging (Ultra) wide-Band gap Power Devices on the Horizon on 31.07.2020.

## EEC (The European Energy Center)

* + Participated and Completed the Webinars in “Electric Vehicle in June 2020.

## HIOKI:

* Participated in Online Webinar in “Energy Efficiency in Utility” on 10.06.2020.
* Participated in online Webinar in “HIOKI Data Acquisition System Solution for Power Sector”.

## Articles , Paper, Patent Published

1. Paper titled “Study of Recent Trends and Topology of Electric Vehicle Charging Through DC Microgrid ” published in IJIREEICE JOURNAL.
2. Conference paper titled ”Introduction and development of cyber physical systems in smart grid with block chain technology to enhance sustainability” published in ICAISS-IEEE.
3. Conference paper presented for publication in ICAISS-IEEE titled “AI based development of smart grid infrastructure aided with self healing capacity with edge and fog computing”
4. Conference paper presented for publication in ICAISS-IEEE titled “optimized energy management system integrated with RES in microgrid using machine learning”.
5. Patent published on ”Forecasting Electric vehicle charging station preference trough SHAP based machine learning method.
6. Patent published on “Optimized integrated renewable energy sources for improving power quality with power electronics controllers
7. IOT Enabled and timely reminder smart medicine box
8. Oral presentation for paper titled “Load frequency control in islanded microgrid during charging of electric vehicle” in international conference conducted by “ICAMESE”.
9. Oral presentation for paper titled “Hybrid microgrid design, analysis and optimization using HOMER software-A case study”. in international conference conducted by “ICAMET”.
10. Book titled “ Electrical Technology” under RK Publication-ISBN:978-81-19140-46-6.
11. Conference paper published titled ”Integrating fuzzy logic with LDR sensors for optimized solar energy harvesting in sun tracking systems”-IEEE Conference organized by GALGOTIAS UNIVERSITY,UP,INDIA.
12. Book chapter titled” A STUDY ON OPTIMAL DEPLOYMENT OF CHARGING STATIONS FOR ELECTRIC VEHICLES “ published under IIP(India/USA) Edited book series Journal.
13. Book chapter titled” A STUDY ON ENERGY STORAGE SYSTEM FOR ELECTRIC VEHICLE AND ITS CHALLENGES “ published under IIP(India/USA) Edited book series Journal
14. ESCI Journal published titled ” Design and analysis of UPQC in a microgrid using model reference adaptive control ensemble with back-stepping controller” Heliyon
15. IEEE Conference presented Titled “Bidirectional Energy Flow in EV-Microgrid through Genetic Algorithm for PQ Management”-AESPC Conference 2024

16.1 journal paper under review-Submitted to Elsevier

17.1 patent filed titled” Design and development of low cost wind emulator for testing range upto 20kw.”

## Experience in teaching engineering Degree/Diploma/CBSE/CHSE papers

* 1. Basic Electrical Engineering.
  2. Electrical Machine.
  3. Transmission & Distribution.
  4. Control System.
  5. Power Electronics.
  6. Advanced Control System.
  7. E.M.T
  8. HVDC Transmission
  9. Electric Drives
  10. FACTS 11.PHYSICS 12.MATHS

## Other Skills & Credentials:

* Guided Several B.Tech & M.Tech Projects & Skill development Programme
* Skill in MATLAB and PLC.
* Worked as HOD (Electrical Engg.) from 2011 August to 2012 Dec.
* Worked in the student counseling process for admission (B.Tech) in GEC, BBSR.
* Guided and Coordinated “Model Presentation” during Tech Fests.
* Worked as Visiting faculty in Neelachal Polytechnic” BBSR.
* You Tuber- Electromagnetic Theory, Physics
* Editor- IIP Edited Book Series, INDIA/USA

## AREA OF INTEREST:

POWER ELECTRONICS ,ELECTROMAGNETIC THEORY,ELECTRICAL MACHINES,ELECTRIC VEHICLE,HVDC, FACTS, POWER QUALITY

# Personal Details:

Name : Sandip Kumar Das

Father’s Name : Khageswar Das

Marital Status : Married

Gender : Male

Nationality : Indian

Date of birth : 31.03.1971

Permanent address : At-KMBM Street, Ward no -5,

Baripada, Orissa, Pin-757001

Mailing address -AT-K.M.B.M STREET, WARD NO-5, BARIPADA, PIN-757001(ODISHA)

E.Mail : [sandip.das31@gmail.com](mailto:sandip.das31@gmail.com)

# Declaration:

I do hereby declare that all the above statements are true to the best of my knowledge and belief.

## Date:

**Place: Signature of the candidate**