

# **CURRICULUM VITAE**

## **AVIK DATTA**

### **Present Address**

EE-157/6  
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Being a bit quizzical, I always try to find the answers of remarkable issues regarding several attention grabbing phenomena. I think the most remarkable issue in education system over the past few decades is teaching learning pedagogy. I am fascinated with learner centric teaching method since long and deeply interested on outcome based teaching learning pedagogy. Student motivation and outcome based learning pedagogy are my focused activity.

### **Work Experience: (11 Years 7 months)**

Institutions	Designation	Duration
Saroj Mohan Institution of Technology (Techno India Group), Hooghly	Assistant Professor	August 2011- July 2018
ADAMAS University, Kolkata	Assistant Professor	August 2018- August 2021
Swami Vivekananda University, Kolkata	Assistant Professor	September 2021- Till Date

Qualifications	Institute	Board / University	Year	Result
M.Tech (Control & Instrumentation)	Netaji Subhash Engineering College (T.I.G.)	W.B.U.T.	2011	8.18 (DGPA)
B.Tech (Electrical Engg.)	Mallabhum institute of technology, Bishnupur	W.B.U.T.	2009	7.22 (DGPA)
Higher Secondary	Narayan Das Bangur Memorial Multipurpose School	W.B.C.H.S.E.	2004	66.5%
Madhyamik	Narayan Das Bangur Memorial Multipurpose School	W.B.B.S.E.	2002	74.6%

**Special Educational Course and Certification:**

<b>Course Name</b>	<b>Institute</b>	<b>Year</b>
<b>Outcome Based Pedagogic Principles for Effective Teaching (NPTEL)</b>	<b>Indian Institute of Technology, Kharagpur, India.</b>	<b>2017</b>
<b>Computational Electromagnetics and Applications (NPTEL)</b>	<b>Indian Institute of Technology, Madras, India</b>	<b>2017</b>
<b>Applied Electromagnetics for Engineers (NPTEL)</b>	<b>Indian Institute of Technology, Kanpur, India</b>	<b>2017</b>
<b>Electric Power System (COURSERA)</b>	<b>The State University of New York, USA</b>	<b>2020</b>
<b>Differential Equations for Engineers (COURSERA)</b>	<b>The Hong Kong University of Science and Technology, Hong Kong</b>	<b>2020</b>
<b>Vector Calculus for Engineers (COURSERA)</b>	<b>The Hong Kong University of Science and Technology, Hong Kong</b>	<b>2020</b>
<b>COVID19: What You Need to Know (COURSERA)</b>	<b>Interstate Postgraduate Medical Association</b>	<b>2020</b>

**Teaching Interest:**

**Electromagnetic Field Theory, Basic Electrical Technology, Circuit Theory.**

## Publications:

### ➤ Patent:

1. Patent (Application No : 201631000136, Dated 04 / 01 / 2016) for “A High Frequency Fly-Back Multizone Resonant Inverter with AC Input Source for Multi-Area Induction Heating” in the name of inventors Prof. (Dr.) Pradip Kumar Sadhu, Kallol Bhaumik, **Avik Datta**, Palash Pal, Avijit Chakraborty, Titas Kumar Nag, at Patent Office, Kolkata, Government of India.
2. Patent (Application No : 201731040658, Dated 14 / 11 / 2017) for “Solar Induction Heating System using High Frequency Hybrid Resonant Inverter under VSI Mode” in the name of inventors Paromita Sadhu, Achintya Goswami, Pradip Kumar Sadhu, Sarat Kumar Panda, **Avik Datta** and Ananyo Bhattacharya, at Patent Office, Kolkata, Government of India.

### ➤ International Journal:

1. Kallol Bhaumik, **Avik Datta**, Pradip Kumar Sadhu. “Analysis of Leakage Inductance for Multi-zone Induction Heater.” Revue Roumaine des Sciences Techniques Série Électrotechnique et Énergétique, Vol. 62, 4, pp. 388–393, Bucarest, 2017. (**SCIE JOURNAL**)
2. Dr. Palash Pal, Debabrata Roy, **Avik Datta**, Atanu Banerjee. "A Closed-Loop Power Controller Model of Series-Resonant-Inverter-Fitted Induction Heating System." Archives of Electrical Engineering (AEE).

### ➤ Conference Paper:

1. **Avik Datta**, Kallol Bhaumik, Pradip Kumar Sadhu “Asymmetrical Duty Cycle Control of Multiple Output Two Unit Induction Heating System” has been published at ESDA2019: 2nd International Conference on Energy Systems, Drives and Automations Conference Dates: December, 28th-29th, 2019.
2. **Avik Datta**, Subrata Biswas. “Identification of Power System Loading Topology Using Rough Set Theory (RST) Based Classifier” has been published at CALCON- 2011 "National Conference on Electrical, Electronics and Computer Engineering"
3. Kallol Bhaumik, **Avik Datta**, Pradip Kumar Sadhu “Effect and Utilization of Leakage Inductance on the Performance of Multi-zone and Multi-load Half-Bridge Inverter Based Induction Heating System” has been published at ESDA2020.
4. Titas kumar Nag, **Avik Datta**, Pradip Kumar Sadhu” Autonomy Oriented Computation for Direct AC- AC Cascaded Boost Converter” has been published at ESDA2020.

### ➤ Book Chapter:

Titas Kumar Nag, **Avik Datta**, Pradip Kumar Sadhu, “Autonomy Oriented Computation for Direct AC-AC Cascaded Boost Converter”, Energy Systems, Drives and Automations, Springer, Singapore Pages 589-600, no. 2, Sept. 2020.

**Personal Details:**

**Father's Name** : Mr. Biswanath Datta  
**Date of Birth** : 29<sup>th</sup> November, 1985  
**Marital Status** : Married  
**Sex** : Male  
**Language Known** : English, Hindi, Bengali  
**Hobbies** : Reading History Books And  
Swimming.  
**Nationality** : Indian

**Declaration:**

I hereby declare that all of the above details are correct and true to the best of my knowledge.

**Place: KOLKATA**

**Date: 22.03.2023**



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**(AVIK DATTA)**