

ANANYO BHATTACHARYA
ASSISTANT PROFESSOR
DEPT. OF ELECTRICAL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
JAMSHEDPUR



	<p>Permanent address:- A-62 Purbayan, Sodepur, North 24 Parganas, Kolkata-700110 Tel: (+91)8674942303 (+91)7980365179 E-mail:- bhattacharya.ananyo@gmail.com ananyo.ee@nitjsr.ac.in</p>
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OBJECTIVE:

Want a promising and challenging career in the engineering field using my knowledge and experience, which will contribute to the growth of the organization.

JOB PROFILE:

Presently, I am working as an assistant professor, Dept. of Electrical Engineering, National Institute of Technology, Jamshedpur.

Patent Applied:

1. Applied Patent (Application No. 25/KOL/2015, dated 07/01/2015) for “A high frequency hybrid resonant inverter with AC input source” in the name of inventors Prof. (Dr.) Pradip Kumar Sadhu, **Ananyo Bhattacharya**, Dr. Vivekananda Mukherjee, Dr. Nitai Pal, at Patent Office, Kolkata, Government of India.

Book Chapter:

1. Pradip Kumar Sadhu, Nitai Pal and **Ananyo Bhattacharya**, “Design of Working Coil Using Litz Wire for Industrial Induction Heater” Lap Lambert Academic Publishing, ISBN : 978-3-659-35853-1,pp. 1-65, March 2013.

International Journal:

1. **Ananyo Bhattacharya**, Pradip Kumar Sadhu, Aritra Bhattacharyya, Nitai Pal, “VOLTAGE CONTROLLED HYBRID RESONANT INVERTER – AN ESSENTIAL TOOL FOR INDUCTION HEATED EQUIPMENT”- Revue Roumaine des Sciences Techniques Série Électrotechnique et Énergétique, Vol. 61, no. 3, pp. 273-277, Bucarest, 2016 (SCIE).

2. **Ananyo Bhattacharya**, Kaushik Sit, Pradip kumar sadhu, Nitai Pal- “A Novel Circuit Topology of Modified Switched Boost Hybrid Resonant Inverter Fitted Induction Heating Equipment”- Archives of Electrical Engineering, Vol. 65 (4), pp. 815-826 (2016) (ESCI under Thomson Reuters).

International Conference:

1. Pradip Kumar Sadhu, **Ananyo Bhattacharya** and Nitai Pal, “Review of Microwave Oven-a Health Hazardous Tool for Cooking as Compared to Induction Cooker” – published in the proceeding of “International Conference on Control, Instrumentation, Energy and Communication” (CIEC14), organized by Department of Applied Physics, University of Calcutta, held at Kolkata, during 31st January – 02nd February, 2014, pp 187-191.
2. Pradip Kumar Sadhu, **Ananyo Bhattacharya** and Nitai Pal “Dual Zone Industrial Induction Heater using MOSFET based High Frequency Hybrid Resonant Converter” – published in the proceeding of 2013 IEEE 1st International Conference on Condition Assessment Techniques in Electrical Systems (CATCON 2013), organized by IEEE, DEIS Kolkata Chapter, held at Kolkata, during 06th – 08th December, 2013, pp. 335-340.
3. Salauddin Ansari, Anamika Das, **Dr. Ananyo Bhattacharya**, “Resonant Inductive Wireless Power Transfer of Two-Coil System with class-E Resonant High Frequency Inverter”, 2019 6th International Conference on Signal Processing and Integrated Networks (SPIN), ISBN No: 978-1-7281-1380-7.
4. Chandni K., Das, A., & **Bhattacharya, A.** (2020, February). A Time-sharing Class E Based ZCS Resonant Inverter for Wireless Power Transfer System. In *2020 7th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 230-233). IEEE.
5. P. Giri, A. Das and **A. Bhattacharya**, "Push-pull Inverter based Wireless Power Transfer System," 2020 7th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, 2020, pp. 489-493, doi: [10.1109/SPIN48934.2020.9071074](https://doi.org/10.1109/SPIN48934.2020.9071074).
6. Das A., **Bhattacharya A.**, Sadhu P. K., ‘Equivalent Two-Coil Model for a Four-Coil Wireless Power Transfer System’ International Conference on Electric Power and Renewable Energy Conference-2020 (EPREC-2020).
7. Kumaraswamy A., **Bhattacharya A.** and Sadhu P. K., “A Multi-Level Boost Converter Fed High Frequency Resonant Inverter for Induction Heating by using ADC control”, International Conference on Electric Power and Renewable Energy Conference-2020 (EPREC-2020).
8. Navneet Kumar Ray, Anamika Das, **Dr. Ananyo Bhattacharya**, ”Inductively Coupled WPT system using LCC and LCL Compensation”, International Conference on Electric Power and Renewable Energy Conference-2021 (EPREC-2021).
9. Jay Prakash Narayan, Anamika Das, **Ananyo Bhattacharya**, “Class-E Power Amplifier based wireless power transfer system”, International Conference on Electric Power and Renewable Energy Conference-2021 (EPREC-2021).
10. Thakur Pranav Kumar Gautam, **Dr. Ananyo Bhattacharya**, Anamika Das, “High Frequency Soft Switching one stage Conversion using PWM and PDM Control Technique for Induction Heating Application”, International Conference on Women in Multifaceted Research, IETE KOLKATA, India, March 8-9, 2021

SEMINAR/ COURSE ATTENDED:

Sl. No.	Course Title	Organized By	Venue	Duration
1.	Advanced Power Electronics and Drives	Indian School of Mines, Department of Electrical Engineering, Dhanbad, Jharkhand.	Indian Institute of Technology (Indian School of Mines), Department of Electrical Engineering, Dhanbad, Jharkhand.	30 th Dec. 2013-4 th Jan 2014
2.	Application of Power Electronics in Renewable Energy	Indian School of Mines, Department of Electrical Engineering, Dhanbad, Jharkhand.	Indian School of Mines, Department of Electrical Engineering, Dhanbad, Jharkhand.	07 th -11 th July, 2014
3.	Advanced Power Electronics and Power Quality	Indian School of Mines, Department of Electrical Engineering, Dhanbad, Jharkhand.	Indian School of Mines, Department of Electrical Engineering, Dhanbad, Jharkhand.	05 th -10 th July, 2015

SHORT TERM COURSES ORGANIZED:

Sl. No.	Course Title	Organized By	Name of the Coordinator	Duration
1.	Recent Trends in Microgrid and its Real-Time implementation using Opal-RT (RTM-2019).	Department of Electrical Engineering, NIT Jamshedpur	1. Dr. Ananyo Bhattacharya 2. Dr. Jitendra Kumar 3. Dr. Om Hari Gupta	May 27-June 01, 2019
2.	Recent Trends in Power Electronics and Power System (e-RTPEPS-2021)	Department of Electrical Engineering, NIT Jamshedpur	1. Dr. Ananyo Bhattacharya 2. Dr. Madhu Singh	January 17 – January 22, 2021

ACADEMIC PROFILE:

DEGREE	YEAR OF PASSING	BOARD/ UNIVERSITY	PERCENTAGE OF MARKS/CGPA	DIVISION/CLASS
Ph.D (Engg.)	31.03.2017	Indian Institute of Technology (Indian School of Mines), Dhanbad	NA	NA
M.Tech (Electrical Engineering)	2012	University of Calcutta	7.5	1 ST Class
B.Tech (Electrical Engineering)	2010	West Bengal University of Technology	7.86	1 ST Class
Higher Secondary	2006	W.B.C.H.S.E	75.8%	1 ST Division

Secondary	2004	W.B.B.S.E	86.12%	1 ST Division
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♦ **M.Tech Thesis :**

“Transient Stability Analysis of a Multibus Power System”.

♦ **B.Tech Final Year Project :**

“Building of a dream-house using nonconventional energy”.

♦ **Industrial Training :**

Completed an Industrial Training in **WBPDC** upon H.T & L.T line for 30 days.

Core Subjects: Power System Analysis, Electrical Machines, Power Electronics, Control System, Circuit Theory.

Computer Knowledge: ETAP, RTDS, PSPICE, PSIM, MATLAB, Programming Language-C.

PERSONAL PROFILE:

Name:	Ananyo Bhattacharya
Father's name:	Shri Chandicharan Bhattacharya.
Permanent Address:	A-62 Purbayan, Sodepur, North 24 Parganas, Kolkata-700110
Email:	bhattacharya.ananyo@gmail.com
Contact No:	(+91)8674942303 (+91)7980365179
Date of Birth	02/04/1989
Sex	Male
Nationality	Indian

♦ **EXTRA CURRICULAR ACTIVITIES :**

Playing Badminton, playing cricket etc.

◆ **HOBBIES :**

Listening music, watching movies, reading books etc.

REFERENCE PERSON:

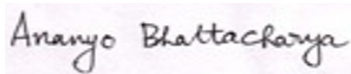
1. Prof. (Dr.) Pradip Kumar Sadhu, Professor and Head, Department of Electrical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad - 826004, Jharkhand (India), Mobile No. +91 9431126076. E-Mail: pradip_sadhu@yahoo.co.in.
2. Prof. Samarjit sengupta, Professor of Electrical Engineering, Department of Applied Physics, University of Calcutta, Mobile No. 09830545205. E-Mail: samarsp@rediffmail.com.
3. Dr. Nitai Pal, Associate Professor, Department of Electrical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad - 826004, Jharkhand (India) Mobile No. +91 9471154739. E-Mail: nitai_pal@rediffmail.com.

DECLARATION:

I declare that the information given above is true to the best of my knowledge.

Thanking you,

With Regards,



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ANANYO BHATTACHARYA.