

CURRICULUM VITAE

NAME - Arunima Mahapatra

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EDUCATIONAL QUALIFICATION

Exams Passed	Subjects Taken / Stream / Branch	Year of Passing	University / Board	Name of Institution	Percentage of Marks (%) / DGPA / CGPA
M.Tech.	Power System Engineering	2020	IIT(ISM), DHANBAD	IIT(ISM), DHANBAD	CGPA - 9.41 With Distinction (Gold Medalist)
B.Tech.	Electrical Engineering	2017	M.A.K.A.U.T.(W.B.U.T.)	Calcutta Institute of Engineering and Management	DGPA - 9.07
Higher Secondary Examination	Bengali, English, Physics, Chemistry, Mathematics, Biology	2013	W.B.C.H.S.E.	The BSS School (Formerly known as Ballygunge Siksha Sadan)	79.6 %
Madhyamik Pariksha (Secondary Examination)	Bengali, English, Mathematics, Physical Science, Life Science, History, Geography	2011	W.B.B.S.E.	The BSS School (Formerly known as Ballygunge Siksha Sadan)	84.375 %

JOB EXPERIENCE

1. Currently working as **Assistant Professor** in the **Department of Electrical Engineering** at **Swami Vivekananda University, Barrackpore, West Bengal**, since October 21, 2022.

Subjects such as Basic Electrical Engineering, Power System-I, Renewable & Non-Conventional Energy, Fundamentals of Power Electronics have been taken in Diploma, B.Tech. and M.Tech. programs.

2. Previously worked as **Project Manager** since **September 08, 2020** in **TCS iON at TCS Gitobitan, Kolkata - 700091** to August 14, 2021.

Projects based on conducting various Assessments/ Examinations related to educational performance, entrance examinations, service recruitments etc. of various Boards / Councils / Colleges / Universities / Private & Government Organizations regionally & throughout India has been dealt since September 08, 2020 to August 14, 2021.

RESEARCH WORK

- Currently being a **Research Scholar**, pursuing **Ph.D.** from the **Department of Electrical Engineering** at **IIT(ISM) Dhanbad** since August 12, 2021.

PUBLICATIONS

- Arunima Mahapatra, Nitai Pal, “Comprehensive Study on Sizing of Hybrid Renewable Energy System using Commercial Software”, published in *Journal of Mines, Metals and Fuels*, Print ISSN: 0022-2755, DOI: <https://doi.org/10.18311/jmmf/2023/43192>.
- Arunima Mahapatra, Nitai Pal, “A thorough investigation on hybrid renewable energy system management techniques”, published in *1st Edition of Recent Advancements in Computational Intelligence and Design Engineering*, CRC Press/India, ISBN: 978-10-329-8036-2.
- Arunima Mahapatra, Nitai Pal, “Renewable energy sources: A solution to the future global energy crisis”, published in *1st Edition of Recent Advancements in Computational Intelligence and Design Engineering*, CRC Press/India, ISBN: 978-10-329-8036-2.
- Arunima Mahapatra, “Prospects and Futuristic Trends of Renewable Energy and its Technologies that Facilitate Sustainable Development”, published in *Electrical Engineering Developments in Recent Years*, ISBN: 978-93-340-1849-3.
- Arunima Mahapatra, “Ocean Energy – one of the promising energies of future”, published in *Future Energy Resources*; ISBN: 978-93-340-6874-0.

- **Editor of the Book Chapters from the Department of Electrical Engineering; Book titled “Frontiers of Engineering Innovation: Interdisciplinary Approaches and Applications”, Blurose Publishers, India, U.K., Editors: Ranjan Kumar, Abhishek Dhar, Ashes Bannerjee, Arunima Mahapatra, ISBN: 978-93-6452-860-3, First Edition: August 2024.**
- **Editor of the Book Chapters from the Department of Electrical Engineering; Book titled “Advances in Computational Solutions: Integrative Approaches and Applications”, Integrated Publications, New Delhi, Editors: Ranjan Kumar, Abhishek Dhar, Ashes Bannerjee, Arunima Mahapatra, ISBN: 978-93-5834-625-1, Publication Year: 2024.**
- **Editor of the Book Chapters from the Department of Electrical Engineering; Book titled “Synergy in Science and Engineering: An Integrative Approach”, AkiNik Publications, New Delhi, Editors: Ranjan Kumar, Abhishek Dhar, Ashes Bannerjee, Arunima Mahapatra, ISBN: 978-93-6135-058-0, Book DOI: <https://doi.org/10.22271/ed.book.2863>, Publication Year: 2024.**

TECHNICAL KNOWLEDGE

1. *Programming Languages*: C, JAVA
2. *Simulators*: HOMER PRO, MATLAB, SCILAB

TRAININGS

1. **Faculty Nominated & Faculty Coordinator for IUCEE NEP Mini Course “Entrepreneurial Thinking”** taught by **Prof. Ranji Vaidyanathan, Oklahoma State University**, for mentoring and grading students registering for the said course.
2. Successfully completed the **“Power Plant Familiarization Training For Engineering Student (Vocational Training)”** at **Kolaghat Thermal Power Station (K.T.P.S.)** under **The West Bengal Power Development Corporation Limited (W.B.P.D.C.L.)**.
3. Received **Certificate of Excellence (Zonal Winner)** and **Certificate of Training** for the **Industrial/Summer Training Programme** in **“CISCO NETWORKING(CCNA)”** from 20th June, 2014 to 5th July, 2014 at **Calcutta Institute of Engineering and Management (C.I.E.M.)** in association with **“NETWORK BULLS & ACM IIT DELHI”**.
4. Successfully completed a **Training Program on Marketing and Sales** conducted by **National Skill Development Corporation (NSDC)** under **Standard Training Assessment and Reward (STAR) Scheme, Ministry of Finance, Government of India**, in the month of June, 2014 held at our college campus (C.I.E.M.).

WORKSHOP ATTENDED

1. Attended the **Inter Disciplinary Workshop on Design and Development of Small Satellites** conducted Under Nodal Center CIEM, Kolkata on 17-18 February, 2015 by **ESCI, The Institution of Engineers (India)**.

SEMINARS ATTENDED

1. Participated in Seminar on “**National Education Policy (NEP) 2020 Sensitization, Awareness and Implementation**” Jointly Organised by **Swami Vivekananda University** and **Barasat Government College** on March 19, 2024, at **Swami Vivekananda University Campus**.
2. Participated in the **Two days National Seminar under RUSA 2.0 On Conventional to Renewables- Transition in Indian Power Sector** on 7th Feb & 8th Feb, 2020 Organized by **School of Energy Studies, Jadavpur University & Alumni Association, NCE Bengal and Jadavpur University**.

WEBINAR ATTENDED

1. Participated in Webinar on “**Solar Photovoltaic as Emerging Technology for Sustainable Energy Solution & Some Studies on Advanced Materials for Solar Cell Application**” held on July 16th, 2020 conducted by **IMPS College of Engineering & Technology**.

AWARDS / ACHIEVEMENTS

1. Received **Fellowship** from **MHRD** being **Junior Research Fellow (JRF)** in the **Department of Electrical Engineering** at **IIT (ISM) Dhanbad**.
2. Received **Gold Medal for Academic Excellence** for securing first position in the final examination of **Master of Technology in Power System Engineering** from **IIT(ISM) Dhanbad**.
3. Received “**Prabhat Khabar Pratibha Samman**” by **Prabhat Khabar** in 2013 for good results in Higher Secondary Examination.
4. Received **Certificate of Merit and Gold Medal** awarded for **Excellence in Academics** by **The BSS School (formerly known as Ballygunge Siksha Sadan)**.
5. Received **Certificate of Distinction** in Mathematics (2006), **Certificate of Credit** in Mathematics (2007), **Certificate of Credit** in Mathematics (2008), **Certificate of Credit** in Science (2006) and **Certificate of Credit** in Science (2008) in **International Assessments For Indian Schools** conducted by **The University Of New South Wales (Educational Assessment Australia)**.

EXTRA-CURRICULAR ACTIVITIES

1. **Computer:** Completed courses on Computer Basics, Microsoft PowerPoint, Windows XP, Logo, Microsoft Word, Internet, HTML, Programming and logic techniques, QBasic, Microsoft Excel, Networking Essentials, NetMeeting, DHTML, 3D Computer Concepts, MS Office, IT Essentials (all of these mentioned topics are under IT Wizard Curriculum of NIIT) in school level.
2. **Multimedia:** Completed courses on Adobe Illustrator 10, CorelDraw 10, Adobe Photoshop 7, Flash, Director MX, 3D MAX 6.0, Character Animation with Maya, Lightening and Rendering with Maya, Modelling with Maya, Texturing with Maya and Rigging with Maya in school level.
3. **Drama:** Won Second Runner's Up 2015 at Odeon First Stage, the inter college theatre festival, conducted by Vodafone.
4. **Art (Painting):** Passed in 1st division with distinction in practical in Primary(Junior Diploma Final) and First years for the sessions 2005-2006 and 2006-2007 respectively from the centre A.P.C. College of Fine Arts, Kolkata-152. Certificate of Merit in Magma Inter-School Drawing Competition "VOYAGE" held on December 8, 2005, held in Kolkata.
5. **Extempore:** Won Second Prize in extempore for the inter-school competition held at The BSS School (formerly known as Ballygunge Siksha Sadan) on June, 30 2011.
6. **Quiz:** Certificate of Participation in "THE GOETHE-TAGORE QUIZ", a quiz on Rabindranath Tagore & Germany held at Max Mueller Bhavan Kolkata on August 13, 2011.
7. **Music (Vocal):** Won First Prize in the "Do-Re-Mi Event (Western Music Event)" of inter-school festival "ULLAS" of South Point School held on November 15, 2003.
8. **Dance:** Successfully completed 1st and 2nd Years of dance at "UDAYAN", Dance Institution of Mamata Shankar Ballet Troupe, Gariahat.

SOCIAL WORK

1. **Bharat Scouts and Guides:** Certificate of Participation at the Annual Guide Competition of South Calcutta District Association held at Shri Shikshayatan School, held on, April 4, 2007. I was a Bulbul since 2002- 2004 and was Guide for 2005-2006 under Bharat Scouts and Guides.
2. **Indian Red Cross Society:** Lifetime Member of the Indian Red Cross Society, South 24 Parganas District Branch (Alipore Sadar Sub divisional Branch) and participated in the One Day Training Camp on Red Cross Ideals, Basic Concept of First Aid and Disaster Risk Reduction Programme held on March 28, 2010.

PERSONAL DETAILS

- Mother's Name: **Uma Mahapatra**
- Father's Name: **Saurindra Mahapatra**
- Gender: **Female**
- Nationality: **Indian**
- Religion: **Hinduism**
- Category: **General**
- Marital Status: **Unmarried**

LANGUAGES KNOWN

- **Bengali (Mother Tongue):** Read, Write, Speak
- **English:** Read, Write, Speak
- **Hindi:** Speak

HOBBIES AND INTERESTS

Bengali Story & Prose Writing, Acting.

I do hereby declare that all the statements made herein above are true, complete & correct and are not false or misleading to the best of my knowledge.

Place: 157, Garfa Main Road. Kolkata-700075

Arunima Mahapatra.

Signature

(Arunima Mahapatra)