



## RESUME

### Aritra Das

DOCTOR OF PHILOSOPHY (FUNDING- PRIME MINISTER RESEARCH FELLOWSHIP)

RESEARCH TOPIC- Condition Monitoring of Underground Power Cable.

DEPT. OF ELECTRICAL ENGINEERING

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#### CAREER OBJECTIVE

To obtain a challenging position in a high quality engineering environment where my resourceful experience and academic skills will add value to organizational operations.

#### EDUCATIONAL QUALIFICATIONS

Year of Passing	Degree	Institute	Percentage/CGPA
2020	MS(R) in Electrical Engineering	Indian Institute of Technology, Ropar	8.00/10.0 CGPA
2017	B.Tech in Electrical & Electronics Engineering	Techno India College of Technology, Kolkata	8.35/10 CGP
2013	Class 12 <sup>th</sup> – C.B.S.E Board, Patna	D.A.V BSEB, Patna	84.00%
2011	Class 10 <sup>th</sup> – C.B.S.E Board, Patna	Gyan Niketan, Patna	10/10 CGPA

#### PUBLICATIONS

- S. Dhayalan, A. Das, P. Johri and C. C. Reddy, "Estimation of Electric Field and Temperature in HVDC Cables Under Different Environmental Conditions," *2021 IEEE 16th International Conference on Industrial and Information Systems (ICIIS)*, 2021, pp. 262-264, doi: 10.1109/ICIIS53135.2021.9660725..
- A. Das and C. C. Reddy, "Discharging Characteristics of a HVDC Test-Cable," *2019 14th Conference on Industrial and Information Systems (ICIIS)*, 2019, pp. 85-90, doi: 10.1109/ICIIS47346.2019.9063335.
- A. Das, C. Sehgal and C. C. Reddy, "Investigations on Feasibility of Fault Detection in Underground Power Cables Using SFRA," *2019 IEEE 4th International Conference on Condition Assessment Techniques in Electrical Systems (CATCON)*, 2019, pp. 1-4, doi: 10.1109/CATCON47128.2019.CN0015.
- Aritra Das** and C.C. Reddy, "Burn down Phenomenon in Covered Conductor" *Proceedings of National Conference on High Voltage Engineering and Technology (HJET 2021), UHVRL, CPRI, Hyderabad, India, pp.35-37*

## PATENT

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- Aritra Das and C. C. Reddy, " **System and Method of Locating a Fault in Power Cable**". (Patent filled with Indian office on 09/07/202: Application No. 202111030999)

## WORK EXPERIENCES/INTERNSHIPS

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- One month industrial visit in at Burn Standard Com. Ltd, Howrah from December 2014 to January 2015.
- During my tenure at the Power plant, I did meticulous research about the aspects of an Uninterrupted Power Supply's - Classification, Components, Applications, and Physical Implementation

## AWARDS/FELLOWSHIP

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- Received the prestigious "Prime Ministers Research Fellowship" for December 2020 cycle.

## POSITION OF RESPONSIBILITY

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- **Departmental Head; CMC IIT Ropar, 2020- Present**  
As the Departmental Head, I along with my team had the responsibility of procuring raw materials for the mess facility in the college. Apart from this, my responsibilities included maintenance and smooth functioning of the mess.
- **Coordinator, Inter College Sports Meet, 2016**  
I was given the task of scheduling the event, contacting officials, procurement of equipments and accommodation of participants of the Intercollege sports tournament.

## TECHNICAL SKILLS

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- Softwares- MATLAB, Ansys Maxwell, PSPICE and COMSOL software.
- Computer Applications- Microsoft Word, Microsoft Power Point, computer basics.

## ACHIEVEMENTS

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- In GATE 2018 secured 37 marks with 437 Score.

## AREA OF INTEREST

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- Circuit Theory
- Electromagnetic Theory
- High Voltage Engineering
- Transients in Power System
- High Voltage Equipments

## PERSONAL PROFILE

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**Father's Name:** Mr. Kajal Kumar Das

**Mother's Name:** Mrs. Deepa Srivastava

**Date of Birth:** 29 Nov 1994

**Permanent Address:** A 4/5 Amulya Kanan Housing Project, Ph-II, Sreerampore, Hooghly, W.B

**Hobbies:** Playing Football

**Languages known:** English, Hindi and Bengali

## DECLARATION

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I hereby solemnly affirm that all the details provided above are true to the best of my knowledge.



..... Aritra Das