

CURRICULUM VITAE

PERSONAL DATA:

Name:Mr.SIDDHARTHA SANKAR DEB

Permanent Address:C/O: Dr. Sanjit Kumar Deb, Bhati Abhaynagar
West Para, Near Assam Rifles 3rd Gate, P/O: Agartala, Tripura (W) PIN -799001

Mobile No:+91- 9612996770 /7005649582

Email id:ssd.ee.tcea@gmail.com

Date of Birth:29-April-1988

Gender: Male **Nationality:**Indian

Languages Proficiency:English, Hindi, Bengali.



EDUCATION:

- Currently Pursuing PhD (part-time) in Electrical Engineering from NIT Agartala since July 2022.

1. Post-Graduate Profile

Year	Course	Institute	Semester	SPI/S.G.P.A	CPI/C.G.P.A
2012-2013	M.Tech in Power Electronics & Drives Engineering (ELECTRICAL DEPARTMENT)	NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA	1 st	8.16	8.16
			2 nd	8.40	8.28
2013-2014			3 rd	9.00	8.45
			4 th	10.00	8.8

2. Graduate Profile

Year	Course	Institute	Semester	Percentage Of Marks
2009-2010	B .E. in Electrical & Electronics Engineering[EEE]	NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA	8th	77.9%
			7th	78.7%
2008-2009			6th	82.6%
			5th	78.9%
2007-2008			4th	78.0%
			3rd	77.3%
2006-2007			2nd	72.1%
			1st	75.8%

* Aggregate of 8 semesters marks:**77.67%**

3. Pre - Graduate Profile

Year	Examination	Board	Institute	Percentage Of Marks
2005-06	AISSCE (XII)	Central Board Of Secondary Education.	BHARATIYA VIDYA BHAVAN	82.6%
2003-04	AISSE (X)		BHARATIYA VIDYA BHAVAN	82.6%

WORK EXPERIENCE:

- 1) **In-charge (Joint)**, Institution's Innovation Council (IIC) & **Innovation Ambassador**, under MoE, at Techno College of Engineering Agartala. **Period: 8th November 2024 to present.**
- 2) **External Project Coordinator**, Techno College of Engineering Agartala. **Period: 8th November 2024 to present.**
- 3) **Project Coordinator**, CoE of Garuda Aerospace Pvt. Ltd. at Techno College of Engineering Agartala. **Period: July 2024 to present.**
- 4) **Nodal Coordinator, ISRO IIRS Outreach program** at Techno College of Engineering Agartala. **Period: January 2023 to present.**
- 5) **Training & Placement officer**, Techno College of Engineering Agartala. **Period: 10th December, 2014 to 7th November 2024.**
- 6) **Head of the Department**, Electrical Engineering Department, Techno College of Engineering Agartala, A Degree Engineering college (AICTE approved, affiliated to Tripura University (Central University), Maheshkhola, Dukli, Tripura(W) PIN:799004. **Period: 25th August, 2014 to 30th June 2021.**
- 7) **Head of the Department**, Electrical & Computer Engineering Department, Techno College of Engineering Agartala, A Degree Engineering college (AICTE approved, affiliated to Tripura University (Central University), Maheshkhola, Dukli, Tripura(W) PIN:799004 **Period: 1st July 2021to 20 March 2023**
- 8) **Lab Teacher**, National Institute Of Technology, Agartala, Jirania,Tripura(W)-799046, **Session 2013-2014**, Supervisor: Dr. A. K. Chakraborty
 - Conducted Practical classes of Basic Electrical of 1st Semester B.Tech course for the academic session2013-2014. **Period: 6 months**
- 9) **Nodal Coordinator (Tripura). IIRS e-learning** scheme under **ISRO, Dehradun** from 2022 o present.

TRAINING AND PROFESSIONAL DEVELOPMENT:

- **Advanced P.G. Diploma in Real Time Embedded System**, Cranes Software International Limited, Varsity Division, Bangalore - 560 029, **Aug/2010-Jan/2011.**
- **Industrial training:** Bharat Heavy Electricals Limited, Electronic division, Mysore Road, Bangalore-560026, **01/06/2009-18/06/2009.**

- **Summer Training:** Airport Authority of India, Agartala Airport, Agartala -799009, 09/06/2008-20/06/2008.
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FDPs/Seminars/Webinars:

- **Training:** Undergone **Innovation Ambassador Training** (Advanced Level: 16 Sessions, 30 Hours) conducted in Online Mode by **MoE's Innovation Cell & AICTE** during the IIC Calendar Year **2024-2025**.
- **FDP:** Participated & successfully completed **Master Class Series Under IP Utsav**, organized by **AICTE and MoE's Innovation Cell** from **21st April 2025 to 26th April 2026** in online mode.
- **Workshop:** : Participated & successfully completed **offline training and orientation program on Drone Technology** organized by **Garuda Aerospace Pvt. Ltd.** at **Chennai** from **12th May 2025 to 18th May 2025**.
- **FDP:** Participated and successfully completed **02 months ISRO Sponsored NNRMS FDP on "RS & GIS Technology and Applications"** with **specialization in "GIS Technology and Big data Analytics"** conducted by **IIRS Dehradun** during **13th May to 5th July 2024**.
- **SSTP:** One-week Short-term Staff Training Program on **"Recent Trends in Energy Conversion Technologies"** from **July 13-20, 2020** with **25 CPD hours** approved by **Board of Engineers Malaysia (Ref.no: IEM20/MIRI/082/T)**, organized by **Curtin University Malaysia** in collaboration with **The Institute of Engineers Malaysia**.
- **FDP:** participated & completed successfully **AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "DATA SCIENCE"** from **2021-6-7 to 2021-6-11** at **Punjab Engineering College**.
- **FDP:** participated & completed successfully **AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "GLOBAL WARMING & IMPACTS OF POWER ELECTRONICS TOWARDS GREEN TECHNOLOGY"** from **2021-05-24 to 2021-05-28** at **SRM Valliammai Engineering College**.
- **FDP:** Participated & completed successfully **AICTE Training And Learning (ATAL) Academy Online FDP on "GREEN TECHNOLOGY & SUSTAINABILITY ENGINEERING"** from **2020-9-14 to 2020-9-18** at **National Institute of Technology, Jamshedpur**.
- **FDP:** Participated & completed successfully **AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on "Power Quality Disturbances in Smart Distribution Grid: Theories, Concepts and Solutions"** from **2023-03-13-2023-03-18 to 2023-03-20-2023-03-24** at **NIT Agartala**.
- **FDP:** Participated and successfully completed the **5 Day Online Faculty Development Program** based on **"RECENT TRENDS IN MATERIALS AND FLEXIBLE ELECTRONICS"** organized by **Department of Electronics and Communication of Techno College of Engineering Agartala** from **10 April to 14 April 2023**.
- **FDP:** Participated and successfully completed **5 Day Online Faculty Development Program** based on **"3D PRINTING AND RAPID PROTOTYPING"**, organized by **Department of Mechanical Engineering of Techno College of Engineering Agartala** during **26th-30th June, 2023**.
- **Workshop:** Participated and successfully completed two days **International workshop on "Recent Trends in Energy Harvesting and Storage Technologies"** organized by **Department of ECE, Koneru Lakshmaiah Education Foundation** on **19th & 20th January 2023**.
- **FDP:** Participated and successfully completed online training on **"Basic Life support and First Aid"** organized by **AICTE, Govt. of India in association with Heka Healthy you**.

PROJECT AND THESIS:

- **“Enhancing Solar Power Potential in Tripura, India: A Comprehensive Site Suitability Analysis Using MCDM AHP Technique”**, NNRMS 2024 Project and Thesis, Geoinformatics Department, Indian Institute of Remote Sensing, Dehradun, ISRO, Govt. of India, 2023-2024.
- **“PSIM Based Design and Implementation of Solar powered mobile charging System”**, M.Tech Project and Thesis, Electrical department, National Institute of Technology, Agartala, 2013- 2014.
- **“Enhancement of Blue Laser in PPLN waveguide by causing external cavity resonance using piezo Fiber Stretcher”**, B.E Project, Electrical & Electronics department, National Institute of Technology, Agartala.2009-2010.

PUBLICATIONS:

1. **S. S. Deb**, B. Das and S. Sharma, "Novel Proposed 7- level Capacitor-Switched Multilevel Inverter," 2023 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE), Trivandrum, India, 2023, pp. 1-6, doi: 10.1109/PESGRE58662.2023.10404172.
2. Kritideepa Roy, Satarupa Debnath, ManujBiswas, Bindita Chakraborty, **Siddhartha Sankar Deb**, "Dual Axis Solar Tracking for Efficient Solar Power Conversion", International Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, Vol.6, Issue 6, page no.643-647, June- 2019.
3. Debasmita Datta, **Siddhartha Sankar Deb**, “Comparative Study on Different Filter Circuits and Analysis of Ripple Factor”, International Conference on Smart Technologies In The Field Of Engineering, Management & Sciences, ISBN No.: 978· 93· 5291· 767 ·9, SMARTTECH-2018, pp. 118-123.
4. **Siddhartha Sankar Deb**, Diptanu Das, Prasenjit Debnath, “ PSIM based Design of an Inbuilt Solar Powered Mobile Phone Battery Charging System” Published in IFRSA International Journal Of Electronics Circuits And Systems Vol 4,issue 1, Jan 2015, pp 18- 24.
5. **Siddhartha Sankar Deb**, SatuBanik, MeghaNath, “A Comparative Study & Analysis of Plant Based Microbial Fuel Cell”, International Journal of Scientific & Engineering Research (IJSER),ISSN: 2229-55

FUNDED PROJECTS:

1. **Chief Project Coordinator** of“**SPECIAL SCHEME FOR NORTH EAST STATES (NER) (SOLAR & WATER)**” funded and sanctioned by AICTE, in the year 2019-20 at**Techno College of Engineering Agartala, Tripura**. (Grant: **Rs. 32,00,000/-**) Status: **Completed**.
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2. **Co-Principal Investigator** of Project Titled “A Study on "The water purification system practiced by different communities in Tripura" funded by 2023 IKS BGsamvahan Karyakram-3, Division of Ministry of Education, Govt. of India. (Grant: **Rs. 5,40,500/-**)Status: **Completed**.

AREAS OF INTEREST

- Machine Learning
- Renewable Energy
- Power Electronics

TECHNICAL PROFICIENCY

- **Software Languages:** C,C++, Python
- **Software Interests:** MS-Office, MAT LAB (simulator), PowerSIM, CASPOC, ETAP.

ACHIEVEMENTS

- Awarded “Shiksha Sanmman 2021” for excellence in teaching among Technical Institutes of West District Tripura on 18th September 2021 organised by Rotary Club, Tripura.
- Won 1st prize in Quiz competition at Rajiv Gandhi AkshayUrja Divas-2009, organized by TREDA underMNRE.
- Won 1st prize in Junk Art Competition at Moksha-2008, Annual cultural Fest, NIT Agartala.
- Won 1st prize in Sculptures and Pottery competition at Moksha-2009 and Moksha- 2012, Annual cultural fest, NIT Agartala.
- Won 1st prize in Solo Song competition at Moksha-2012, Annual Cultural fest, NIT Agartala.
- Won Championship in chess competition at school level, Sports meet 2006, Bharatiya Vidya Bhavan, Agartala.
- Secured 382 all India rank and was among the top 500 star performers at 5th National Science Olympiad,2003.
- Secured 192 rank with a percentile of 89.7% at Global Mathematical Talent Probe2003.

INTERSESTS

- **Art:** Film Making, Music, Classical fusion dance, choreography, poetry, script writing, junkart, sculptures and pottery, painting, collage, scrap art, composingmusic.
- **Sports:**Chess.
- **Leisure:** photography, readingbooks.

REFEREES

- 1) Dr. Dibakar Deb
Dean, R&D, Techno College of Engineering Agartala
Maheshkhola, Dukli, West Tripura-799004
Mobile No: +91-7005704686 email id: debdibakar@gmail.com
 - 2) Dr. Bikram Das
Assistant professor, Electrical department NIT, Agartala Mobile
no:+91-9436459126 email id: dbiki81@gmail.com
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Date: **24/04/2025**
Place: **Agartala**

(Siddhartha Sankar Deb)