

DR. SUJOY DAS

CURRENT POSITION:

Assistant Professor
Department of Electrical Engineering
Tripura Institute of Technology, Narsingarh
Tripura West
Pin-799009



Personal Details:

Father's name: Jahar Lal Das

Mothers Name: Shefali Das

Date of Birth: 13.01.1987.

Sex: Male.

Blood group: B+

Languages Known: English, Hindi & Bengali.

Nationality: Indian.

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ADDRESS:-

S/O-Jaharlal Das.
Vill+P.O:-Sekerokote,
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Pin-799130.
Tripura, India

EDUCATION:

PhD (Electrical Engineering, 2019), National Institute of Technology, Agartala
(Title: *Probabilistic Approach for Different Short-Term Hydrothermal Scheduling with Renewable Integration*)

M.Tech (Power System, 2012), National Institute of Technology, Agartala

B.E (Electrical Engineering, 2010), National Institute of Technology, Agartala

WORK EXPERIENCE:

- ✚ Worked as an **Assistant Professor** in the Department of Electrical Engineering, TIT Narsingarh, Tripura from **01.01.2018 to till date**

COURSES TAUGHT:

Theory:

- Electric Drives
- Illumination Engineering
- Electrical Machine Design
- Principles of Electronics and applications
- Basic Electrical Engineering
- Power Electronics Devices & Techniques
- Control System
- Power System Transients.

Laboratory:

- Basic Electrical laboratory
- Electronics laboratory-1
- Electrical Machine-II.
- Electrical Drives Laboratory
- Electrical Engineering Simulation Laboratory
- Power and Energy Laboratory
- Simulation & Advanced Electrical Engg. Laboratory

ACADEMIC RESPONSIBILITIES PERFORMED:

- Member of NBA Committee.
- Member of Industry Readiness& Mandatory Internship.
- Nodal officer, Employability Skill Development.

- ***Knowledge about NBA accreditation process and Outcome Based Education (OBE) system. Since last three years I have been working as an active member of Institutional NBA Committee. During last three year four of our Department (EE, ME, ECE and CSE) got NBA Accreditation.***

RESEARCH INTEREST:

Power system operation & control, Application of Soft-computing in power system, Combined heat and power dispatch, Economic load dispatch, Hydrothermal scheduling

Scopus Author ID: 57212568877

Orcid id: 0000-0002-0987-1991

Web of Science Researcher ID: ABB-1126-2021

MEMBERS OF PROFESSIONAL BODIES:

- Associate member of the Institution of Engineers (India) NO-AM153418-4.
- IEEE Graduate Student member. (IEEE USA). Membership no: 93010646.

SPECIAL ACHIEVEMENTS

- Participated in Science Fair 2002 and Hold 3rd position in Sub division level & 10th position in state level.
- Two times GATE qualified (EE) in the year of 2010 and 2012 respectively.

PUBLICATIONS:

International Journal:

1. **Sujoy Das**, Aniruddha Bhattacharya (2016). "Symbiotic Organisms Search algorithm for short-term hydro thermal scheduling." Ain Shams engineering journal(Elsevier). vol.9, no. 4, pp. 499-516.(SCIE indexed). IF: 4.79
2. **Sujoy Das**, Aniruddha Bhattacharya, Ajoy Kumar Chakraborty (2016). "Quasi-reflected ions motion optimization algorithm for short-term hydrothermal scheduling". Neural Computing & Applications (Springer).Vol.29.no.6; pp.123-149. (SCIE indexed). IF:5.102
3. **Sujoy Das**, Aniruddha Bhattacharya, Ajoy Kumar Chakraborty (2017). "Solution of short-term Hydrothermal Scheduling using sine cosine algorithm. Soft computing (Springer).Vol.22; pp.6409-6427. (SCIE indexed). IF:3.732
4. **Sujoy Das**, Aniruddha Bhattacharya, Ajoy Kumar Chakraborty (2017). "Solution of Short-Term Hydrothermal Scheduling Problem Using Quasi-Reflected Symbiotic Organisms Search Algorithm Considering Multi-fuel Cost Characteristics of Thermal Generator". Arabian Journal for Science and Engineering (Springer).Vol.43; pp.2931-2960.(SCIE indexed). IF:2.807
5. **Sujoy Das**, Aniruddha Bhattacharya, Ajoykumar Chakraborty (2018). "Fixed head short-term hydrothermal scheduling in presence of solar and wind power", Energy Strategy reviews (Elsevier). Vol.22; pp.47-60. (SCIE indexed).IF: 10.01
6. **Sujoy Das**, Asmita Roy, Nishad Das, Sanjukta Choudhury (2021). "Enhanced colliding bodies optimization towards the solution of economic load dispatch problem" International Journal of Applied Management Sciences and Engineering (IGI global), Vol. 8; No.2: pp-72-90.

International Conference:

1. Sujoy Das, Aniruddha Bhattacharya, Ajoykumar Chakraborty, Vibhav Pandey. "Fixed head Short-term hydrothermal scheduling using whale optimization algorithm considering the uncertainty of solar power". 9th International Conference on Advanced Computing (ICoAC-2017), 14–16 December 2017, Chennai.

2. Sujoy Das, Aniruddha Bhattacharya, AjoykumarChakraborty. "Short-term hydro-thermal-wind scheduling using Salp Swarm Algorithm". The 6th International Electrical Engineering Congress (iEECON 2018). 7-9 March 2018, Karbi, Thailand.
3. Sujoy Das, Dabashish Bhowmik, Sampa Das, "A modified grey wolf optimizer algorithm for economic scheduling of hydrothermal systems". 1st International Conference on Innovation in Modern Science and Technology (ICIMSAT-2019), 20th-21st September, 2019, SIT, Siliguri, West Bengal.

WORKSHOP/SEMINAR ATTENDED:

- One day National Workshop On "Contemporary and Future Perspectives of Physics Applicable to Science and Technology: Challenges and opportunities (4th February, 2013) at NIT Agartala.
- Two Days Workshop on MATLAB and its application in ANN, Fuzzy Logic & Genetic Algorithm (March 20-21, 2014) at NIT Agartala.
- Workshop on Indian Power Scenario sponsored by TEQIP on Sept 4th 2013 at NIT Agartala.
- Two weeks short-term course on "Stability modeling analysis of power system including large renewable energy sources" (30th Dec 2015-8th Jan 2016) Under GIAN at NIT Agartala.
- Two days' workshop on "Power System Beyond 2020" on 17th -18th Aug 2015 at NIT Agartala.
- Two day's workshop on "Recent Trends on Power Electronics and Drives" at NIT Agartala on 21st -22nd November 2015.
- Three day's National workshop on "Recent Advancement in Soft Computing Techniques" at NIT Agartala on 29th -31st January 2016.
- Three day's workshop on "Strategies in Power Electronics" at NIT Agartala on 20-22 January 2017.
- Induction workshop at IIT Bombay on 5th February, 2018-9th February, 2018.
- TEQIP Phase-III Summer Training Program on Active Learning at IIT Hyderabad on 14th May, 2018-19th May, 2018.
- Five-Day Short-term Training Programme on "Smart Grid and Energy market" at NIT Agartala on 27th August, 2018-31st August, 2018.
- One Week Faculty Development Program on "Recent Innovative and Research Activities on Power System" From 25th - 30th June 2018 at TIT Narsingarh.
- TEQIP III Training Program on "Advanced Pedagogy & Digital Tool for TEQIP Faculty members" from June 3-7, 2019 at IIT Kharagpur.
- Six days Training Program on "Power System Optimization Using GAMS" from 11th to 16th May, 2020, organized by Department of Electrical Engineering, Rajarambapu Institute of Technology, Rajaramnagar.

- Faculty Development Programme on “MATLAB & Its applications in AI & ML” organized by Department of ECE, NIT Patna and AEC from 19th – 26th May, 2020.
- Five days online workshop on “Present trends and Research in Electrical Vehicles” from 27.05.2020-31.05.2020 organized by Department of Electrical Engineering, Rajarambapu Institute of Technology, Rajaramnagar.
- Five days online faculty development program on “Recent Trends in Electrical Engineering” Organized by Department of Electrical & Electronics Engineering, Vishnu Institute of Technology Bhimavaram from 08.06.2020-12.06.2020.

WORKSHOP/SEMINAR/CONFERENCE COORDINATED:

- Faculty Development Program on “Optimization Techniques and its Application in Science & Technology” from 04.12.2018 to 11.12.2018 at TIT Narsingarh under Twinning Agreement with Jadavpur University.
- Act as a Convener in a special session “Application of Computational Intelligence in Power, Energy, Science and Engineering” in “1st International Conference on Innovation in Modern Science and Technology (ICIMSAT-2019) from September 20th -21st , 2019 at Siliguri Institute of Technology, Siliguri, Darjeeling, West Bengal, India”.
- Two day’s workshop on “Basics in MATLAB” from 30.05.2020-31.05.2020 at TIT Narsingarh.
- Two weeks International Workshop on "Recent Advances in ElectricalEngineering" from 22nd June, 2020 to 3rd July 2020 at TIT Narsingarh.

SOFTWARE TOOLS:

- MATLAB, CASPOC, ETAP

SUJOY DAS

Place: Agartala

Date: 23.05.2023