Dr. Priyanath Das, BE (TU), ME (Bengal Engg. College, Shibpur), Ph.D (Jadavpur University)

Professor (EE).

Department of Electrical Engineering, National Institute of Technology Agartala, Agartala- 799046, West Tripura, India.

Area of Interest: Power Systems, Renewable Energy.

Dr. Priyanath Das joined the Institute in 1996

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Residence
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Academic Contribution:

PhD supervision:

Till date 7 PhD scholars awarded, 2 PhD scholars submitted thesis, and 4 PhD scholars are ongoing through their thesis work.

M.Tech Supervision:

Till date 37 M.Tech scholar been guided out of which 2 M.Tech scholar thesis guided was POSOCO Power System Awardee

Journal : 49 Nos. of Journals

1. **Priyanath Das**, Sunita Halder Nee Dey, Abhijit Chakrabarti, and Tanaya Datta, "Assessment of Voltage Stability Using Network Equivalent", TELKOMNIKA: Indonesian Journal of Electrical Engineering ISSN: 1693-6930 Paper ID 060-12-2011 Vol.9 No.3, December, 2011, Accredited by Ministry of National Education, Republic of Indonesia Publisher: Universitas Ahmad Dahlan (UAD).

2. Kallol Das, **Priyanath Das**, and Sharmistha Sharma, "Load Frequency Control Using Classical Controller In An Isolated Single Area And Two Area Reheat Thermal Power System", International Journal of Emerging Technology and Advanced Engineering. Vol. 2, Issue 3, pp. 403-409, March,2012.

3. **Priyanath Das**, Sunita Halder nee Dey, Abhijit Chakrabarti, and Madhumita Mandal, "A unique method of study on power and loss allocation of a multibus power system employing facts controllers", International Journal of Emerging Technology and Advanced Engineering. Vol. 2, Issue 6, June,2012.

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Computer Applications 11(0975-8887). Vol. 46- No. 15, May2012.

5. Suman Kumar Saha, **Priyanath Das**, and Ajoy Kumar Chakraborty, "An ANN Based Relay Design For Identification Of Faults Of 400kv Ehv transmission Line", International Journal of Computer Applications 11(0975-8887). Vol. 46- No. 15, May2012.

6. Prasenjit Dey, **Priyanath Das**, and Ajoy Kumar Chakraborty, "Implementation of Power Transformer Differential Protection Based on Clarke's Transform and Fuzzy Systems", International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 7, ISSN: 2278-0181, September,2012.

7. Samima Akter, Anulekha Saha, **Priyanath Das**, "Modeling, simulation and comparison of various FACTs devices in power system", International Journal of Engineering Research & Technology (IJERT), 1(8): 1-12,2012.

8. Samima Akter, **Priyanath Das**, "Comparison of the Performance of IPFC (series-series) and UPFC (series-shunt) FACTS Controller in Power System", International Journal of Computer Applications (IJCA) Vol. 67 Issue 2, ISSN: 0975 – 8887, April2013.

9. Asim Datta, Debasree Saha, Amitava Ray, and **Priyanath Das,** "Anti-islanding selection for grid-connected solar photovoltaic system applications: A MCDM based distance approach", Solar Energy 110 (2014) 519–532, Elsevier.

10. Samima Akter, **Priyanath Das,** and B. K. Saha Roy, "An Algorithm for Directional Relay during Voltage Inversion", International Journal of Control Theory and Application, 8(3): 1189-1200, 2015.

11. Debasree Saha, Asim Datta, Biman Kumar Saha Roy, and **Priyanath Das,** "A comparative study on the computation of directional overcurrent relay coordination in power systems using PSO and TLBO based optimization", EngineeringComputations,2016.

12. Samima Akter, V. K. Kharga, **Priyanath Das,** and B. K. Saha Roy, "Development of Fault Location Algorithm by using PMU for Power System Protection", International Journal of Control Theory and Application, 8(3): 1201-1208,2015.

13. Tapajit Ghosh, Suman Debnath, and **Priyanath Das,**" Development & Implementation of Direct Torque Control for Three Phase Induction Motor Drives", International Journal of Advanced Scientific and Technical Research, Vol. 1, Issue 3, pp. 60-67, ISSN: 2249-9954. January –Februry ,2013.

14. Saptadip Saha, **Priyanath Das**, Ajoy Kumar Chakraborty, Sharmistha Sarkar, Ruchira Debbarma, "Fabrication of hybrid ultraviolet photodetector using organic polymer thin-film-coated TiO_2 nanowires", Journal of Nanophotonics, Vol. 10, Issue 2, pp. 026011-1-9,ISSN: 1934-2608,2016.

15. Saptadip Saha, **Priyanath Das**, Ajoy Kumar Chakraborty, Sharmistha Sarkar, Ruchira Debbarma, "Fabrication of DSSC with Nanoporous TiO2 Film andKenaf Hibiscus Dye as Sensitizer", International Journal of Renewable Energy Research, Vol. 6, Issue 2, pp. 620-627, ISSN: 1309-0127,2016.

16. Saptadip Saha, Samima Akter, Kailash Kumar Mahto, **Priyanath Das**, Ajoy Kumar Chakraborty, Gaurav Kumar Awasthi,"Improvement in Power Efficiency of Photovoltaic Array Under Shading Condition Using Bypass Diode", International Journal of Renewable Energy Research, Vol. 6, Issue 2, pp. 628-636, ISSN:1309-0127,2016.

17. Saptadip Saha, **Priyanath Das**, Ajoy Kumar Chakraborty, Ruchira Debbarma, Sharmistha Sarkar, "Hybrid Solar Cell With TiO2 Film: BBOT Polymer And Copper Phthalocyanine As Sensitizer", Advances In Electrical And Electronic Engineering, Vol. 14, Issue 3, pp. 345-351,ISSN: 1804-3119,2016 .

18.G. Saha, K. Chakraborty and **P .Das** , "Detection of Proximity to Voltage Collapse ofMulti-Bus Power Network using Transmission Line Voltage Stability Indicator." , ARPN Journal of Engineering and Applied Sciences, vol. 11, no. 17, September 2016, pp. 10689-10694.

18. G. Saha, K. Chakraborty and **P .Das** ," A Direct Method for Voltage Stability Prediction on Power Networks using Supervised Learning Algorithm in Smart Grid Scenario.", International Journal of Engineering & Technology IJET-IJENS, vol.17, no.4, August 2017, pp.1-8.

19. Debasree Saha, Asim Datta, **Priyanath Das** Optimal coordination of directional overcurrent relays in power systems using Symbiotic organism Search (SOS) optimization technique, , IET Generation, Transmission & Distribution, Volume: 10, pp. 2681 – 2688, **Date of Publication:** 15 August 2016.

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21. Saptadip Saha, Samima Akter, Kailash K Mahto, **Priyanath Das,** and Ajoy Kumar Chakraborty, "Improvement of Power Efficiency in of Photo Voltaic Array under shading condition using bypass diode", International Journal of Renewable Energy Research (IJRER), 6(2): 1-9, 2016.

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23. Samima Akter, Saptadip Saha, and **Priyanath Das**, "Power improvement in PV panel under temperature variation fault using refrigeration mechanism and its implementation", Journal of Engineering Research (Accepted24-07-2017).

24. Prasenjit Dey, Aniruddha Bhattacharya, and **Priyanath Das**, "Tuning of power system stabilizer for small signal stability improvement of interconnected power system," Applied Computing and Informatics (2017) (Elsevier)

25. Anulekha Saha, **Priyanath Das**, Ajoy Kumar Chakraborty, "water evaporation algorithm: a new meta-haustic algorithm towards the solution of optimal power flow" Engineering science and technology, an international journal, vol.20, issue 6, pp 1540-1552. 2017. ISSN2215-0986.(SCOPUS)

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27. A. Saha, A.K. Chakraborty, **P. Das**, 'Quasi-reflection based symbiotic organisms search algorithm for solving static optimal power flow problem', Scientia Iranica. DOI: 10.24200/SCI.2018.20179

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29. Anulekha Saha, Aniruddha Bhattacharya, **Priyanath Das**, Ajoy Kumar Chakraborty, "HSOS: A novel hybrid algorithm for solving the transient stability constrained OPF problem", Soft Computing (accepted) (**SCIE**) (**IF:2.367**),2019

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32. Prasenjit Dey, Aniruddha Bhattacharya, and **Priyanath Das**. ''Tuned Power System Stabilizer for Enhancing Small Signal Stability of Large Interconnected Power System'' CARIBBEAN JOURNAL OF SCIENCE 53, no.1 (2019). 843-857 (SCIE)

33. Prasenjit Dey, Sourav Mitra, Aniruddha Bhattacharya, and **Priyanath Das,** "Comparative study of the effects of SVC and TCSC on the small signal stability of a power system with renewables." Journal of Renewable and Sustainable Energy11, no. 3 (2019): 033305.(SCIE)

34. Samima Aktar, **Priyanath Das**, Biman Kumar Saha Roy, "positive sequence component based directional relaying algorithm for single pole tripping", Springer. DOI:10.1007/s13369-019-04130-z,2019

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41. Gitanjali Saha, Kabir Chakraborty, **Priyanath Das**, "Enrichment of voltage stability in power system through novel generalized approximate reasoning based intelligent control with african buffalo optimization approach" APPLICATION OF SOFT COMPUTING. December'22.

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46. Mahto KK, Mahato B, Chandan B, Das D, **Das P**, Kumari S, Vita V, Pavlatos C, Fotis G. A Modified Criss-Cross-Based T-Type MLI with Reduced Power Components. Technologies. 2024; 12(6):90. https://doi.org/10.3390/technologies12060090

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49. Punam Das, Raj Chakraborty, Diptanu Das, Arup Ratan Bhowmik, **Priyanath Das**, "Improvement of Distribution Network Performance by Optimally Allocating EV Charging Station", E3S Web Conf. 430 01268 (2023), DOI: 10.1051/e3sconf/202343001268

Conference: 40 Nos. of Conferences

1. A. Chakrabarti, Sunita Dey, C. K. Chanda, **Priyanath Das,** Dr. A. K. Mukhopadhyay**,**"Determination of Global Voltage Security of a Weak Power System using Load Flow Analysis", In: Proceeding of the International Conference in Japan, 2003,JAAC-2003.
2. A. Chakrabarti, C. K. Chanda, S. Sey, **Priyanath Das,** and Dr. A. K. Mukhopadhyay "Development of a Simulation Technique to facilitate Control and improvement of Voltage Stability of Power Transmission System using Fast Decoupled Load Flow(FDLF)", In: Proceeding of the International Conference on CIIC,13-15th Dec'2001, Calcutta.
3. Sumita Halder nee Dey, Rangita Choudhury, and **Priyanath Das**, "A novel method to assess global voltage stability of a multi bus power system", In: IEEE,ICPS-2009 Third International Conference on Power System, Kharagpur, 27-29thDec'2009.
4. **Priyanath Das**, and J. L. Beniwal, "Modelling of 96 pulse GTO basedSTATCOM for voltage regulation on reactive power control", In: ICEPES-2010, MANITBhopal.
5. **Priyanath Das**, and J. L. Beniwal, "Modelling of voltage source converter with STATCOM", In: ICEPES-2010, MANIT Bhopal.
6. **Priyanath Das**, SunitaHaldar nee Dey, Abhijit Chakrabarti, and Tanya Datta, "A comparative study in improvement of voltage security in a Multi bus Power System using STATCOM and SVC", In: IEEE International Conference on Energy, Automation and Signal(ICEAS-2011, 28-30thDec'2011).
7. Arup Ratan Bhowmik, Dr. Ajoy Kumar Chakraborty, and **Priyanath Das,** "Optimal Location of UPFC Based on Pso Algorithm Considering Active Power Loss Minimization", In: IEEE 5th Power India Conference - 2012, 19-22 Dec, 2012, Haryana (India).

8. Debasree Saha, **Priyanath Das**, and S. Chowdhury, "Design Trends of Linear Induction Motor(LIM) and design Issues of a Single Sided LIM", In: International Conference on Control, Instrumentation, Energy & Communication, CIEC-14, University of Calcutta, Kolkata, Jan. 31- Feb. 02,2014.

9. S. Bagchi, R. Bhaduri, **P.N. Das,** S. Banerjee, "Analysis of power transfer capability of a long transmission line using FACTS devices", Advances in Computing, Communications and Informatics (ICACCI), 2015 International Conference, IEEE on 10-13 Aug.2015.

10. Debasree Saha, Asim Datta, Biman Kumar Saha Roy, and **Priyanath Das**, "Optimal Coordination of DOCR in interconnected Power Systems", In: 2nd International Conference on Control, Instrumentation, Energy and Communication 2016 (CIEC-16), University of Calcutta, Kolkata January 28-30,2016.

11. **Priyanath Das**, Aniruddha Bhattacharya, "Power System State Estimation Using Hybrid Differential Evolution", National Seminar on Energy Science and Engineering (NSESE-2013), Tripura Institute of Technology, Narsingarh, Tripura, India.

12. Saptadip Saha, **Priyanath Das,** Kailash Kumar Mahto, Samima Akter, "Improvement of Output Power of Photovoltaic Modules Connected In Series Under Shading", International Conference on Researches in Science and Technology (ICRST), World Association for Scientific Research and Technical Innovation,Thailand,2016

13. Debasree Saha, Asim Datta, Biman Kumar Saha Roy, **Priyanath Das**, Optimal Coordination of DOCR in interconnected Power Systems, 2nd International Conference on Control, Instrumentation, Energy and Communication 2016 (CIEC-16), University of Calcutta, Kolkata January 28-30,2016.

14. Samima Akter, H. Badhai, B. K. Saha Roy and **P. N. Das**, "A Fault Location Identification Technique using Wavelet Transform", The Fifth International Multi-Conference on Engineering and Technology Innovation 2016 (IMETI2016), October 28-November 01, 2016, Taichung,Taiwan.

15. Saha A, Bhattacharya A**, Das P**, Chakraborty AK. Optimal power flow using crow search algorithm, 2 nd IEEE International Conference on Electrical, Computer and Communication, 1: 22-24, February2017.

16. Saha A, Bhattacharya A, **Das P,** Chakraborty AK. Water evaporation optimization technique for static optimal power flow problems, IEEE 2nd International Conferences for Convergence of Technology, 7-9 March 2017.

17. Prasenjit Dey, Aniruddha Bhattacharya, Juhi Datta, and **Priyanath Das**, "Small signal stability improvement of large interconnected power systems using power system stabilizer", 2017 2nd International Conference for Convergence in Technology (I2CT), pp. 753-760. IEEE,2017.

18. Prasenjit Dey, Aniruddha Bhattacharya, Juhi Datta, and **Priyanath Das**. "Parameter tuning of power system stabilizer using a meta-heuristic algorithm." In 2017 Second International Conference on Electrical, Computer and Communication Technologies (ICECCT), pp. 1-8. IEEE,2017.

19. **Priyanath Das**, Saptadip Saha, Santanu Satpati, "Influence of Irradiance and Temperature Variation On PV Modules In Grid Connected MPPT Based Distributed Generation System", 19th International Conference on Researches in Science

&Technology (ICRST), July 2017.

20. A. Saha, A. Bhattacharya, **P. Das**, A.K Chakraborty, “CDO - a new metaheuristic algorithm towards the solution of transient stability constrained optimal power flow”, The 6th International Electrical Engineering Congress (IEECON), 7 – 9 March 2018.

21. Ankit Singh, Saptadip Saha, **Priyanath Das**, Soumesh Chatterjee, Purvi Chandrakar, Sajal Debbarma. Power tracing in distribution network in deregulated power environment", 7th IEEE international conference, March 28-292018.

22. Sajal Debbarma, Sapatdip Saha, **Priyanath Das**, Ankit Singh, Purvi Chandrakar Design of a location based adaptive MPP tracker for PV system." 7th IEEE international conference, March 28-29 2018.

23. Purvi Chandrakar, Saptadip Saha, **Priyanath Das**, Ankit Singh, Sajal Debbarma.'Grid integration of PV system Using syncroinverter' 7th IEEE international conference, March 28-29 2018.

24. Amit Chakraborty ; Diptanu Dey ; **Priyanath Das**, 'Investigation of Energy Consumption and Reservation Scheme using Energy Auditing Techniques' International Conference on Smart Systems and Inventive Technology (ICSSIT)2018.

25. DebasreeSaha, Biman Kumar Saha Roy, **Priyanath Das** "Anti-Islanding Detection Method selection for Grid Connected DFIG Wind Farms using ANP method", in7th Power India International Conference (IEEE PIICON 2016), Govt. Engineering College Bikaner, Rajasthan, November 25-27, 2016.

26. Prasenjit Dey, Aniruddha Bhattacharya, and **Priyanath Das**. "Tuning of Power System Stabilizers in Multi-Machine Power Systems Using Moth Flame Optimization." In 2018 International Electrical Engineering Congress (iEECON), pp. 1-4. IEEE,2018.

27. Attended National Conference on Smart and Sustainable city infrastructure 29th Nov.2018.IEEE Conference on Energy audit and conservation in an educational Institution :A casestudy,Dec.2018

28. Amit Chakraborty ; Diptanu Dey ; **Priyanath Das**, 'Solar cell efficiency enhancement using embedded surface plasmonic nano particles in various medium "International Conference on Smart Systems and Inventive Technology (ICSSIT), 2019.

29. A. Chakraborty, D. Dey and **P. Das**, "Investigation of Energy Consumption and Reservation Scheme using Energy Auditing Techniques," 2018 International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, 2018, pp. 34-38, doi: 10.1109/ICSSIT.2018.8748724.

30. Rita Banik, **Priyanath Das**, Srimanta Ray and Ankur Biswas An improved ANN model for prediction of solar radiation using machine learning approach, In ICCCIOT, Tripura University 3-4 Feb, 2020

31. Raj Chakraborty, Diptanu Das, **Priyanath Das**. "Optimal Placement of Electric Vehicle Charging Station with V2G Provision using Symbiotic organisms Search Algorithm" IEEE International Students' Conference on Electrical, Electronics and Computer Science, 19-20 Feb 2022.

32. Raj Chakraborty, Diptanu Das, **Priyanath Das**. "Optimal Allocation of Electric Vehicle Charging Station using Symbiotic Organisms Search Algorithm and Reliability Index

Approach". International Conference on Breakthrough in Heuristics And Reciprocation of Advanced Technologies, 7-8 April 2022.

33. Raj Chakraborty, **Priyanath Das**, Diptanu Das, "Optimal Planning of Electric Vehicle Charging Station in Radial Distribution Network considering System Average Interruption Frequency Index". 2022 IEEE 6th International Conference on Condition Assessment Techniques in Electrical Systems (CATCON)

34. Punam Das, Diptanu Das, Arup Ratan Bhowmik, **Priyanath Das**, "Symbiotic Organisms Search Algorithm to Optimally Allocate EV Charging Station in Radial Distribution Network". IEEE Power, Instrumentation, Energy, and Control (PIECON-2023)

35. S. Islam, R. Bhattacharjee, and **P. Das**, "Design and Development of Solar Photovoltaic System Integrated with SM System for Specific Locations and Applications," 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), Greater Noida, India, 2024, pp. 203-209, doi: 10.1109/IC2PCT60090.2024.10486600.

36. A. Chakraborty, D. Dey, **P. Das** and S. Ray, "Real-time monitoring of wind turbine performance using IoT technology to prevent potential disruptions," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, doi: 10.1109/ICCCNT56998.2023.10306518.
37. R. Chakraborty, S. Bagchi, **P. Das**, and D. Das, "Strategic Allocation of Renewable Integrated EV Charging Infrastructure in Radial Distribution Network", 12th International Conference on Computing, Communication and Sensor Networks, Oct. 2023.
38. S. Bagchi, R. Chakraborty, P. Bhowmik, and **P. Das**, "AN IMPROVED GRID FORMING MODE CONTROL AND DEMAND SIDE MANAGEMENT WITH PARALLEL POWER SHARING", 6th International Conference on Energy Systems, Drives and Automations, Dec. 2023.
39. R. Chakraborty, S. Bagchi, **P. Das**, D. Das, and P. Das, "Strategic Framework of Sustainable Energy Integrated EV Charging Stations to Enhance Distribution Network Performance", 6th International Conference on Energy Systems, Drives and Automations, Dec. 2023.
40. P. Das, S. Gope, D. Das, R. Chakraborty, and **P. Das**, "Optimal Allocation of EV Charging Stations in Hybrid Renewable Energy Sources Integrated Distributed System", 6th International Conference on Energy Systems, Drives and Automations, Dec. 2023.

BOOK CHAPTER:

1. Soubhik Bagchi, Raj Chakraborty, Pritam Bhowmik, **Priyanath Das**, "Modern Control of Grid Connected PV System- A Critical Review" Nova Science Publisher.
2. Raj Chakraborty, Soubhik Bagchi, Punam Das, **Priyanath Das**, Diptanu Das, "Planning of EV Charging Station in Distribution Network" Nova Science Publisher.

Administrative Experience:

Employer	Post held	Date of Joining	Date of leaving
NIT Agartala	HOD (EE)	19.05.2021	30.06.2023
NIT Agartala	Professor	05.02.2020	Till date
NIT Agartala	Associate Professor	04.04.2008	04.02.2020
NIT Agartala	Assistant Professor	01.04.2006	03.04.2008

Govt. of Tripura	Assistant Professor	04.04.2005	31.03.2006
Govt. of Tripura	Lecturer (Senior Scale)	22.02.2002	03.04.2005
Govt. of Tripura	Lecturer	23.02.96	21.02.2005
NIT Agartala	Chief Warden	02.08.2007	31.07.2009
		12.02.2010	29-11-2010
NIT Agartala	Dean (SA)	20-04-2009	05.10.2009
		17.02.2014	14.09.2017
NIT Agartala	BOG Members	2011	2013
NIT Agartala	Senate Member	12.09.2009	Till date
NIT Agartala	HOD (EE)	10.12.2012	16.02.2014
NIT Agartala	HOD (EE)	15.09.2017	15.11.2019
NIT Agartala	Associate Dean (P&D)	15.07.2020	12.05.2023
NIT Agartala	DPC Chairman	11.09.2008	10.09.2010
NIT Agartala	Director (I/C)	230 days	

Apart from all these, Professor Das brings a key rule on time of TEC to NIT conversion and at that time he was General Secretary of TEACHERS ASSOCIATION OF NIT AGARTALA for 6 years.

He also plays a major role on NIT Agartala 1st time transportation services (Bus Services).

Member of Professional Bodies:

i. Member of Indian Society for Technical Education (ISTE)
ii. Fellow of Institution of Engineers (India)(IEI), FIE
iii. Life Member of FOSET
iv. Life Member of The Indian Institute For Technical Education
v. Member of IEEE

Plays a major role on IEI activity, 2018 inaugurated an international conference on HVDC transmission in collaboration with IEI.

Sponsored Projects:

Project Title: "Modernization of Advance Power System Laboratory"
Amount: 12 Lakhs

Principal Investigator: Mr. Priyanath Das

Co-Principal Investigator: Mr. Prabir Ranjan Kasari

Sponsor: All India Council for Technical Education (AICTE).

Project Title: "Fabrication of nanostructure based solar cell/photodetector with organic/inorganic materials"
Amount: 0.85 Lakhs

Principal Investigator: Mr. SaptadipSaha **Co-Principal Investigator**: Dr. Priyanath Das **Sponsor**: Institution of Engineers (India).

Apart from these 2 SCI journals are also published through these projects.

Publications

- **Book :**

(1) **Priyanath Das,**"Control Of Temperature And Relative Humidity In A/C Coaches",Lambert Academic Publishing, ISBN978-3-659-24866-5.

(2) **Priyanath Das**, "Modeling and Simulation of various FACTS devices in Power System", LAP, ISBN978-3-659-80125-9.

Patent Granted :

1. **Title:** A MULTIPLE POWER SOURCE BASED ELECTRICAL DRIVE (1st Patent in NIT Agartala and Tripura)
   Application NO.: 201631005530.
   Filing Date: 17th Feb, 2016.

   Granted on 30.01.2021 for 20 years

2. Sangita Devi, Rajkhush Kumar, Priyanath Das , Kishan Choudhuri, Nabarun Biswas, "APPARATUS FOR COLLECTING RECYCLABLE OBJECTS AND DISPENSING REWARDS".
   Application No.: 202111050971
   Date of Grant: 18/10/2022
3. **One Product has been launched recently, through which 1 patent has been filed.**

Session Chair:

1. National Level Conference on Engineering Problems and Application of Mathematics-2016, NIT Agartala, June 2016.
2. Fifth International Multi-conference on Engineering and Technology Innovation, 2016.
3. 7th May'21 High Voltage Engineering, ICFAI University
4. 26th and 27th September, 2019 FEMAS-2019, GNIT, Sodepur, Kolkata.
5. 23-11-2020 to 27-11-2020, Energy Engineering, NIT, Agartala.
6. INTERNATIONAL CONFERENCE ON INTELLIGENT VISION AND COMPUTING (ICIVC 2022), NIT Agartala, 26th Nov, 2022.
7. January, 1st, 2023, 5th International Conference on Energy Systems, Drives and Automation Applied Computer Technology, Kolkata.

Keynote Speaker:

1. 57th Engineers Day Celebration, The ICFAI University, Tripura
2. Academic-Industry Conclave, Women's Polytechnic, Hapania, West Tripura
3. Attended seminar as key note speaker at Chattogram, Bangladesh, organized by IEB.
4. Deliver lecture as speaker on many universities like ICFAI, BC ROY college of Engineering, Sikkim Manipal, and many other.
5. 23rd June to 27th June, 2020, Modern Trends In Electrical Engineering, B.C. Roy

Polytechnic, Durgapur

6. RECENT EMERGING TRENDS IN SCIENCE, ENGINEERING AND MANAGEMENT (RETSEM-2021) LDC Institute of Technical Studies, Soran, Allahabad, 7th Oct. 2021.
7. Advances in Clean Energy Conversion Technologies, NIT SILCHAR, November 22-26, 2022.
8. Recent Trends in Energy Conversion Technologies and its Applications, IEI Tripura State Centre, 1st April, 2023.
9. Awareness Programme on Safety and Security of the Consumer, Consumers' Dispute Redressal Forum, West District, Agartala, 15th June, 2017.
10. 131st Birth anniversary of Dr. B.R. Ambedkar, VNIT Nagpur, 14th April, 2022.
11. Implication of Electric Vehicles on Power System Network, Training and Skill Internship (VRITIKA), 1st July-30th July, 2024, Sponsored by SERB, Venue: NIT Agartala.