



Techno College of Engineering Agartala

An Engineering College affiliated to Tripura University (A Central University),

Approved by AICTE, MHRD, Govt. of India

Website: www.tiaedu.org

Name of the faculty: Dr. Partha Pratim Deb

Designation: Assoc. Professor(CSE)

Education: Ph.D.

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Email(domain mail, eg. xyz@tiaedu.org): deb.parthapratim@tiaedu.org

Research Interest:

- Artificial Intelligence
- Machine learning
- MCDM
- Time-series
- Deep Learning

Membership of professional bodies: institution of engineers(India)

Professional Experience:

➤ **Employer name:** TECHNO COLLEGE OF ENGINEERING AGARTALA, TRIPURA(W)

Duration: 07/14/2014 – Current Date

Sl.NO.	Job Position Names	Responsibilities
1	Assistant Professor	Teaching, Project Supervision, Course File Preparation
2	CSE and AIDS Branch Exam Coordinator	Exam Coordination, Paper collection, Error checking, marks collection, question printing, other exam related works
3	NSS Program Officer	NSS related events Organization and report generation
4	Skill Club Coordinator	Conduction Skill club classes and organizing events
5	Former Head of the Department, Computer Science and Engineering	Stuff Management, Financial Management, Office Organization, Student Affairs, Counseling and Faculty Quality Improvement.
6	Former Head, Event Management Committee	Event planning, budgeting, invoicing, negotiating, logistics, branding, feedback survey, Obtaining permits and post-event reports.
4	Former Member, Purchase Committee	Requirement analysis, Internal memo and document preparation, analyze quotations, Seek clarification from suppliers/service providers





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➤ **Employer name:** TECHNO INDIA COLLEGE OF TECHNOLOGY, WEST BENGAL

Duration: 01/28/2014 – 07/14/2014

Sl.NO.	Job Position Names	Responsibilities
1	Assistant Professor	Teaching and Project Assistance

➤ **Employer name:** CONVOLUTION EDUCARE INSTITUTE, WEST BENGAL

Duration: 11/20/2013 -01/27/2014

Sl.NO.	Job Position Names	Responsibilities
1	Assistant Professor	book editor (WBUT Exam Guide, WBUT Study Guide), teaching, web developer

➤ **Employer name:** INDILABS TECHNOLOGIES, AGARTALA, TRIPURA (w)

Duration: 10/10/2010 – 01/11/2012

Sl.NO.	Job Position Names	Responsibilities
1	Web developer	Management of the team, web development

Publications:

Book Publication

Title : Abstracts of 1st International Conference on Machine Intelligence and System Sciences

Editor(s): Partha Pratim Deb, Indranath Chatterjee

ISBN-13 (15): 978-81-954993-2-8

DOI: <https://doi.org/10.21467/abstracts.120>

Published: January 28, 2022



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Sr.No.	Journal Paper Publication
1	<p>Title : A Decision-Making Model With Intuitionistic Fuzzy Information for Selection of Enterprise Resource Planning Systems Author(s): Partha Pratim Deb, Diptendu Bhattacharya, Indranath Chatterjee, Abhijit Saha, Arunodaya Raj Mishra Journal Name: IEEE Transactions on Engineering Management Publisher Name: IEEE URL: https://ieeexplore.ieee.org/document/9939041</p>
2	<p>Title: Stock Index Forecasting Using RNN-Long Short-Term Memory Author(s): Partha Pratim Deb, Diptendu Bhattacharya, Sheetal Zalte Book Name: Machine Learning Applications: From Computer Vision to Robotics Publisher Name: John Wiley & Sons, Inc. URL: https://onlinelibrary.wiley.com/doi/abs/10.1002/9781394173358.ch5</p>
3	<p>Title: An Intuitionistic Fuzzy Consensus WASPAS Method for Assessment of Open-Source Software Learning Management Systems Author(s): Partha Pratim Deb, Diptendu Bhattacharya, Indranath Chatterjee, Prasenjit Chatterjee, Edmundas Kazimieras Zavadskas Journal Name: Informatica Publisher Name: Vilnius University URL: https://content.iospress.com/articles/informatica/infor523</p>
4	<p>Title: Time-Series Forecasting for Stock Market Using Convolutional Neural Network Author(s): Partha Pratim Deb, Diptendu Bhattacharya, Indranath Chatterjee, Sheetal Zalte Book Name: Machine Learning Applications: From Computer Vision to Robotics Publisher Name: John Wiley & Sons, Inc. URL: https://onlinelibrary.wiley.com/doi/abs/10.1002/9781394173358.ch3</p>
5	<p>Title : Big-data based on Fuzzy Time series forecasting for Stock Index Prediction Author(s): Ruchismita Majumder, Partha Pratim Deb, Diptendu Bhattacharya Book Name: Book on Synergistic Interaction of Big Data with Cloud Computing for Industry 4.0 Publisher Name: CRC Press, Taylor and Francis Publisher, USA URL: https://www.taylorfrancis.com/chapters/edit/10.1201/9781003279044-1/big-data-based-fuzzy-time-series-forecasting-stock-index-prediction-ruchismita-majumder-partha-pratim-deb-diptendu-bhattacharya?context=ubx&refId=ed89840a-03f2-495f-b0e1-4a5e7afb9c4f</p>
6	<p>Title : Big Data Based Time Series Forecasting Using Fbprophet Author(s): Debankita Mukhopadhyay, Sourabarna Roy, Partha Pratim Deb Book Name: Book on Synergistic Interaction of Big Data with Cloud Computing for Industry 4.0 Publisher Name: CRC Press, Taylor and Francis Publisher, USA URL: https://www.taylorfrancis.com/chapters/edit/10.1201/9781003279044-2/big-data-based-time-series-forecasting-using-fbprophet-stock-index-debankita-mukhopadhyay-sourabarna-roy-partha-pratim-deb?context=ubx&refId=ec7803df-b0a9-4fb3-8a71-f8e9c8dbf31b</p>
7	<p>Title : Stock Index Forecasting Using Stacked Long Short-Term Memory (LSTM) Author(s): Debasmita Pal, Partha Pratim Deb Book Name: Book on Synergistic Interaction of Big Data with Cloud Computing for Industry 4.0 Publisher Name: CRC Press, Taylor and Francis Publisher, USA URL: https://www.taylorfrancis.com/chapters/edit/10.1201/9781003279044-7/stock-index-forecasting-using-stacked-long-short-term-memory-lstm-debasmita-pal-partha-pratim-deb?context=ubx&refId=01e55ba6-6a61-499d-9bb2-930c1bb932e9</p>



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8	Title: Textile Fibre Classification Using Artificial Neural Network Author(s): Partha Pratim Deb, Dinabandhu Bhandari. Journal Name: International Journal of Advanced Research in Computer Science and Software Engineering Volume: 5; Year: 2015; Issue: 1; Page: 385-392; ISSN: 2277-128X URL: http://www.ijarcsse.com/docs/papers/Volume_5/1_January2015/V5I1-0269.pdf
9	Title : Design and Implementation of a GUI based Offline GIFT Tool to exchange data between different systems Author(s) : Kisor Ray, Partha Pratim deb Journal Name: International Journal of Computer Applications, Volume 114, No.3, March 2015, ISSN 09758887 Subjects: Computers and Society (cs.CY) URL : http://arxiv.org/abs/1503.05276
10	Title: An Optimization Technique of Web Caching using Fuzzy Inference System Author(s): Anish Kumar Saha, Partha Pratim Deb, Moutushi Kar, D. Rudrapal Journal Name: International Journal of Computer Applications, Volume 43 - Number 17, ISSN 0975-8887, Subject: Internet
11	Title: Comparative Analysis of Different TCP Variants in Mobile Ad-Hoc Network Author(s): Hrituparna Paul, Anish Kumar Saha, Partha Pratim Deb, Partha Sarathi Bhattacharjee Journal Name: International Journal of Computer Applications, (Volume 52 - Number 13), ISSN 0975-8887, Subject: Networking
12	Title: Integration of Caching and Prefetching in Proxy Server Author(s): Anish Kumar Saha, Hrituparna Paul, Partha Pratim Deb Journal Name: International Journal of Engineering Research & Technology, Vol. 3 - Issue 3 (March - 2014), ISSN: 2278-0181, Subject: Networking



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Sr.no.	Conference Paper Publication
1	<p>Title: Fuzzy time-series models based on intuitionistic fuzzy, rough set fuzzy and differential evolution</p> <p>Author(s): Partha Pratim Deb, Diptendu Bhattacharya, Indranath Chatterjee</p> <p>Conference Name: International Conference on Recent Innovations in Computing (ICRIC-2021)</p> <p>Publisher: Springer LNEE series</p>
2	<p>Title : Stock index forecasting using fuzzy time series and firefly optimization on Membership functions</p> <p>Author(s): Partha Pratim Deb, Indranath Chatterjee, Diptendu Bhattacharya</p> <p>Conference Name: 17th International Conference on Multimedia Information Technology and Application(MITA 2021)</p> <p>Publisher: Korea Multimedia Society</p>
3	<p>Title : Multi-Criteria Decision-Making Problems Based Anti-Virus Software Selection Using Intuitionistic Fuzzy VIKOR.</p> <p>Author(s): Partha Pratim Deb, Diptendu Bhattacharya, Indranath Chatterjee</p> <p>Conference Name: International Conference on Advanced Communications and Machine Intelligence(MICA 2023)</p> <p>Publisher Name: Springer</p> <p>URL: https://link.springer.com/chapter/10.1007/978-981-97-6222-4_37</p>
4	<p>Title : Multi Criteria Decision Making for Hospital Management System Software Selection Using Intuitionistic Fuzzy-MOORA.</p> <p>Author(s): Partha Pratim Deb, Diptendu Bhattacharya, Indranath Chatterjee</p> <p>Conference Name: International Conference on Advanced Communications and Machine Intelligence(MICA 2023)</p> <p>Publisher Name: Springer</p> <p>URL: https://link.springer.com/chapter/10.1007/978-981-97-6222-4_14</p>

Sr.No.	Abstracts Publication
1	<p>Title: Fake News Detector on Social Media Using Machine Learning</p> <p>Authors: Palash Sukla Das, Dipan Acharjee, Partha Pritam Deb</p> <p>Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1325</p>
2	<p>Title: Social Network Analysis of COVID-19 Sentiments Using Machine Learning</p> <p>Authors: Manidipa Debnath, Nibedita Mallik, Partha Pritam Deb</p> <p>Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1327</p>
3	<p>Title: Sign Language Recognition Using Python</p> <p>Authors: Tanudeep Ganguly, Partha Pritam Deb</p> <p>Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1329</p>
4	<p>Title: A Review on Trends of Cloud Computing for Autonomous Vehicle</p> <p>Authors: Koushik Sarkar, Partha Pritam Deb</p> <p>Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1331</p>
5	<p>Title: Analyzing the Future of Autonomous Vehicle Using Machine Learning</p> <p>Authors: Subhadeep Karmakar, Partha Pritam Deb</p> <p>Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1333</p>
6	<p>Title: Stock Market Forecasting Using Stacked LSTM Deep Learning System</p> <p>Authors: Debasmita Pal, Ruchismita Majumder, Partha Pritam Deb</p> <p>Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1355</p>
7	<p>Title: Forecasting Future Sales Using Arima</p> <p>Authors: Sourabarna Roy, Debankita Mukhopadhyay, Partha Pritam Deb</p>



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	Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1357
8	Title: Election Prediction Using Logistic Regression – Machine Learning System Authors: Shirshendu Datta, Debankar Guha, Partha Pritam Deb Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1358
9	Title: Prediction of COVID-19 Evolution Using Time-Series Methods Authors: Ruchismita Majumder, Debasmita Pal, Partha Pritam Deb Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1360
10	Title: Time Series Forecasting Using Facebook FbProphet Authors: Debankita Mukhopadhyay, Sourabarna Roy, Partha Pritam Deb Link: https://books.aijr.org/index.php/press/catalog/book/120/chapter/1361

Achievements (if any):

1. Best paper Award

Title : Stock index forecasting using fuzzy time series and firefly optimization on Membership functions

Author(s): Partha Pratim Deb, Indranath Chatterjee, Diptendu Bhattacharya

Conference Name: 17th International Conference on Multimedia Information Technology and Application(MITA 2021)

Publisher: Korea Multimedia Society

2. Track Chair Invitation

Honored as a Track Chair for the Conference "IEEE SILCON 2024" at the National Institute of Technology Agartala from Nov 15-17, 2024

3. Invited Resource Person in FDP, IIT Roorkee

Invited as a Resource Person in a FDP program on "Role of ICT Successfully Implementation of NEP-2020" organized by Electronics and ICT Academy. IIT Roorkee

4. Invited Resource Person by SIBIN LEARNING CART PRIVATE LIMITED

For imparting skill training to IT teachers on “Vocational Teachers Training”

5. Invited talk by Institution of Engineers(India) in a all India seminar

Invited talk in the All India Seminar on “Artificial Intelligence, Design Thinking and Innovation” to be held on January 16 – 17, 2026 in the Seminar Hall of the Institution of Engineers (India), Tripura State Centre, Pandit Nehru Complex, Agartala under the aegis of Computer Engineering Division Board of IEI.