Dr. SUJIT DAS

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Professional Profile

Presently working as **Assistant Professor** in the **Computer Science & Engg. Dept**. of **NIT Durgapur**. **Previously** worked as **Assistant Professor** in the Computer Science & Engg. Dept. of **NIT Warangal**. Awarded **PhD** from the Dept. of **Computer Science and Engineering**, **NIT Durgapur**, on July 29, 2016, with 22 years of rich experience in teaching along with 13 years of experience in research with quality Educational sector. **3 students completed PhD** and **currently guiding 5 PhD students**. Published **75 papers** in the referred Journals and Conferences. Scored **2300+ citations.** Achieved **4 Conference best paper awards** in **CSO 2014 Beijing**, **FICTA 2015 Durgapur, FORBS 2018, Kolkata**, **ICPR 2024, Kolkata**. Delivered **70 invited talks** on various Conferences/Seminars/FDPs. Excellent analytical, organisational, planning skills with demonstrated abilities in leading motivated teams towards achieving organisational goals.

Publication Details

Journals:

1. Amalendu Si, **Sujit Das**, Samarjit Kar, Picture fuzzy linguistic hedges and dispersion-based uncertainty for multi-criteria decision-making. OPSEARCH (2026). https://doi.org/10.1007/s12597-026-01208-9 **(ESCI)** (IF 1.7)
2. Amalendu Si, **Sujit Das,** Samarjit Kar, A brief review of application of fuzzy techniques towards COVID-19 pandemic, Yugoslav Journal of Operations Research (2025), https://doi.org/10.2298/YJOR240915012S **(Scopus)**
3. Amalendu Si, **Sujit Das,** MFS: Dynamic decision making approach to select optimal alternative in the presence of uncertainty, *Iranian Journal of Fuzzy Systems*, 22 (2), (2025) 81-95 https://doi.org/10.22111/ijfs.2025.49694.8773 (**SCIE**) (IF 1.9)
4. Sajad Ahmad Rather, **Sujit Das**, Aybike Özyüksel Çiftçioğlu, COVID-19 chest CT scan image segmentation based on chaotic gravitational search algorithm, *Evolving Systems* 16:7 (2025) https://doi.org/10.1007/s12530-024-09634-0 (**SCIE**) (IF 2.8)
5. G Punnam Chander, **Sujit Das**, A hybrid decision support system in medical emergencies using artificial neural network and hyperbolic secant grey wolf optimization techniques, *Cluster Computing* 28, 43 (2025) https://doi.org/10.1007/s10586-024-04758-z (**SCIE**) (IF 3.6)
6. G Punnam Chander, **Sujit Das,** Chaotic Rao3 based adaptive neuro-fuzzy inference system to solve global infrastructure project selection problem, *Applied Soft Computing*, 165, 112046 (2024) https://doi.org/10.1016/j.asoc.2024.112046 (**SCIE**) (IF 7.2)
7. G. Punnam Chander, **Sujit Das**, Emergency Decision Support System in Cardiovascular Health Using T-spherical q-Rung Linear Diophantine Fuzzy Set and Logistic Differential Evolution. *International Journal of Fuzzy Systems*, 27, 1321–1343 (2025) https://doi.org/10.1007/s40815-024-01836-7 (**SCIE**) (IF 3.6)
8. Sajad Ahmad Rather, **Sujit Das**, Levy flight and Chaos Theory Based Gravitational Search Algorithm for Image Segmentation, *Mathematics* 11(18) 3913 (2023) (**SCIE**) (IF 2.4)
9. G. Punnam Chander, **Sujit Das**, Hesitant t-spherical fuzzy linear regression model based decision making approach using gradient descent method, *Engineering Applications of Artificial Intelligence* 122 (2023) 106074, https://doi.org/10.1016/j.engappai.2023.106074 (**SCIE**) (IF 7.802)
10. G Punnam Chander, **Sujit Das**, COVID-19 emergency decision-making using q-rung linear diophantine fuzzy set, differential evolutionary and evidential reasoning techniques. *Appl. Math. J. Chin. Univ.* 40, 182–206 (2025). https://doi.org/10.1007/s11766-025-4550-0 (**SCIE**) (IF 1.3)
11. Amalendu Si, **Sujit Das**, Samarjit Kar, Preferred hospitalization of COVID-19 patients using intuitionistic fuzzy set-based matching approach, *Granular Computing* 2022 https://doi.org/10.1007/s41066-022-00339-w (**ESCI**)

12. Rekha Sahu, **Sujit Das**, Satya Ranjan Dash, Nurse Allocation in Hospital: Hybridization of Linear Regression, Fuzzy Set and Game-Theoretic Approaches, *Sadhana* 47, 170 (2022) https://doi.org/10.1007/s12046-022-01932-0 (**SCIE**) (IF 0.79)
13. Amalendu Si, **Sujit Das**, Samarjit Kar, Picture fuzzy set based decision making approach using Dempster-Shafer theory of evidence and grey relation analysis and its application in COVID-19 medicine selection, *Soft Computing* 27 (2023) 3327–3341 https://doi.org/10.1007/s00500-021-05909 (**SCIE**) (IF 3.64)
14. Avijit De, **Sujit Das**, Samarjit Kar, Ranking of interval type 2 fuzzy numbers using correlation coefficient and Mellin transform, *Opsearch*, 58 (2021) 1018–1048, DOI: 10.1007/s12597-020-00504-2 (**Scopus**)
15. Rekha Sahu, Satya Ranjan Dash, **Sujit Das**, Career selection of students using hybridized distance measure based on picture fuzzy set and rough set theory, *Decision Making: Applications in Management and Engineering* 4 (1) (2021) 104-126 (**Scopus**)
16. **Sujit Das**, Bikash Koli Roy, Mohuya B. Kar, Samarjit Kar, Dragan Pamucˇar, Neutrosophic fuzzy set and its application in decision making, *Journal of Ambient Intelligence and Humanized Computing*, 2020, DOI 10.1007/s12652-020-01808-3 (**SCIE**)(IF 7.1)
17. Avijit De, **Sujit Das**, Samarjit Kar, Multiple attribute decision making based on probabilistic interval-valued intuitionistic hesitant fuzzy set and extended TOPSIS method, *Journal of Intelligent & Fuzzy Systems* 37(4) (2019) 5229-5248 DOI: 10.3233/JIFS-190205 (**SCIE**)(IF 1.8)
18. Avijit De, Pradip Kundu, **Sujit Das**, Samarjit Kar, A ranking method based on interval type-2 fuzzy sets for multiple attribute group decision making, *Soft Computing* 24 (2020) 131–154 DOI: https://doi.org/10.1007/s00500-019-04285-9 (**SCIE**) (IF 3.64)
19. Jagannath Roy, **Sujit Das**, Samarjit Kar, and Dragan Pamučar, An extension of the CODAS Approach using interval-valued intuitionistic fuzzy set for sustainable material selection in construction projects with incomplete weight information, *Symmetry* 2019, 11, 393; doi:10.3390/sym11030393 (**SCIE**) (IF 2.7)
20. Amalendu Si, **Sujit Das**, and Samarjit Kar, An approach to rank picture fuzzy numbers for decision making problems, *Decision Making: Applications in Management and Engineering* 2 (2) (2019) 54-64 DOI: https://doi.org/10.31181/dmame1902049s (**Scopus**)
21. **Sujit Das**, Debashish Malakar, Samarjit Kar, Tandra Pal, Correlation measure of hesitant fuzzy soft sets and their application in decision making, *Neural Computing and Applications* 31 (4) (2019) 1023-1039 (**SCIE**) (IF 5.6)
22. **Sujit Das**, Mohuya B. Kar, Samarjit Kar, Tandra Pal, An approach for decision making using intuitionistic trapezoidal fuzzy soft set, *Annals of Fuzzy Mathematics And Informatics* 16 (1) (2018) 85–102 (**MathSciNet**)
23. **Sujit Das**, Debashish Malakar, Samarjit Kar, Tandra Pal, A brief review and future outline on decision making using fuzzy soft set, *International journal of fuzzy systems applications* 7 (2) (2018) 1-43 (**Scopus**)
24. **Sujit Das**, Samarjit Kar, Tandra Pal, Robust decision making using intuitionistic fuzzy numbers, *Granular Computing* 2 (2017) 41–54 DOI 10.1007/s41066-016-0024-3 (**ESCI**)
25. **Sujit Das**, Saurabh Kumar, Samarjit Kar, Tandra Pal, Group decision making using neutrosophic soft matrix: An algorithmic approach, *Journal of King Saud University - Computer and Information Sciences*, 31 (4) (2019) 459-468 doi http://dx.doi.org/10.1016/j.jksuci.2017.05.001 (**SCIE**) (IF 6.9)
26. **Sujit Das**, Sumonta Ghosh, Samarjit Kar, Tandra Pal, An algorithmic approach for predicting unknown information in incomplete fuzzy soft set, *Arabian journal for science and engineering* 42 (8) (2017) 3563–3571 (**SCIE**) (IF 2.3)
27. Avijit De, Amitava Ghosh, **Sujit Das**, A fuzzy ranking approach for a two-warehouse inventory model for deteriorating items with ramp type demand, *Journal of the Association of Engineers*, India 87 (1 & 2) (2017) 59-77
28. **Sujit Das**, Priyanka Kumari, Archna Kumari Verma, Triangular fuzzy soft set and its application in MADM, *International Journal of Computational Systems Engineering* 2 (2) (2015) 85-93

29. **Sujit Das**, Samarjit Kar, Group decision making in medical system: An intuitionistic fuzzy soft set approach, *Applied Soft Computing* 24 (2014) 196–211. (**SCIE**) (IF 8.2)
30. Samarjit Kar, **Sujit Das**, Pijush Kanti Ghosh, Applications of neuro fuzzy systems: A brief review and future outline, *Applied Soft Computing* 15 (2014) 243-259. (**SCIE**) (IF 8.2)
31. **Sujit Das**, Samarjit Kar, Tandra Pal, Group Decision Making using Interval-valued Intuitionistic Fuzzy Soft Matrix and Confident Weight of Experts, *Journal of Artificial Intelligence and Soft Computing Research* 4 (1) (2014) 57-77. (**SCIE**) (IF 2.5)
32. Sulekha Gope, **Sujit Das**, Fuzzy Dominance Matrix and its Application in Decision Making Problems, *International Journal of Soft Computing and Engineering* 4 (1) (2014) 1-4.
33. **Sujit Das**, Mahuya B. Kar, Samarjit Kar, Group Multi Criteria Decision Making using Intuitionistic Multi Fuzzy Sets, *Journal of Uncertainty Analysis and Applications* 2013, **1**:10 doi:10.1186/2195-5468-1-10

Conferences:

1. Shrayon Tarafdar and **Sujit Das**, Fuzzy Bayesian Networks for Disease Prioritization using Medical Diagnostics, *International Conference on Next-Generation Networks and Deployable Artificial Intelligence (NGNDAI- 2025)* Sept 18-20, 2025, Allahabad (Accepted & Presented).
2. Ishali Gawande and **Sujit Das,** Optimized ANFIS Model to predict air pollutant index of Mumbai, *29th annual International Conference on Advanced Computing and Communications 2024 (ADCOM 2024)*, Dec 18-20, Bangalore (Accepted and Presented).
3. **Sujit Das**, Anwesha Das (2025). Hybridization of K-Means and Chaotic K-Best Gravitational Search Algorithm to Solve Clustering Problems. *12th International Conference on Big Data Analytics (BDA 2024)*. Nov In: Sachdeva, S., Watanobe, Y., Bhalla, S. (eds). Lecture Notes in Computer Science, Springer, vol 15546, pp 210-223, https://doi.org/10.1007/978-3-031-86193-2_14
4. Sajad Ahmad Rather, Partha Pratim Roy, **Sujit Das**, Chaos Theory Based Gravitational Search Algorithm For Medical Image Segmentation. *International Conference on Pattern Recognition (ICPR 2024)*, December 01-05, 2024, Kolkata, In: Antonacopoulos, A., Chaudhuri, S., Chellappa, R., Liu, CL., Bhattacharya, S., Pal, U. (eds), Lecture Notes in Computer Science, Springer, vol 15328, pp 58-75, https://doi.org/10.1007/978-3-031-78104-9_5
5. Aryan Karki, Chaitanya Hardikar, M Akshay Kumar, **Sujit Das**, Improved ANFIS Model based on Confinement Optimized PSO to predict the air quality of Delhi, India, *IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2023)*, August 13 –17, 2023 Incheon Korea, doi: 10.1109/FUZZ52849.2023.10309676.
6. Puja Yuvaraj Patil and **Sujit Das**, Application of multi-criteria decision-making methods to select multi-objective optimization based pareto-optimal solutions, *Second International Conference on Computing, Communication and Learning (CoCoLe 2023)*, August 29-31, 2023, Warangal, In: Panda, S.K., Rout, R.R., Bisi, M., Sadam, R.C., Li, KC., Piuri, V. (eds), Communications in Computer and Information Science, Springer, vol 1892. pp. 285-296, https://doi.org/10.1007/978-3-031-56998-2_24
7. Sajad Ahmad Rather, **Sujit Das**, Hybridization of Levy Flight and Chaotic Gravitational Search Algorithm for Image Segmentation, *IEEE International Symposium on Smart Electronic Systems (iSES 2022)*, December 18-22, 2022, Warangal, India, pp. 219-224, doi: 10.1109/iSES54909.2022.00052.
8. G Punnam Chander, **Sujit Das,** Multi-attribute decision making using interval-valued pythagorean fuzzy set and differential evolutionary algorithm, *IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2021)*, July 11-14, 2021, Luxembourg doi:10.1109/FUZZ45933.2021.9494393
9. G Punnam Chander, **Sujit Das**, Decision making using interval-valued Pythagorean fuzzy set based similarity measure, *International conference on cutting-edge technologies in Computing and communication engineering (IC4E-2020)*, NIT Kurukshetra, Nov 06-07, 2020, In: Brahmjit Singh et al. (Eds): Intelligent Computing and Communication Systems, Algorithms for Intelligent Systems, Springer, https://doi.org/10.1007/978-981-16-1295-4_28
10. Aditya Narayan Singh, Jose Mrudula, Ritik Pandey, **Sujit Das**, A Comparative Study of Four Genetic Algorithm based Crossover Operators for Solving Travelling Salesman Problem, *Proceedings of International Conference on Advances in Systems, Control and Computing (AISCC)*, Jaipur, February 27-28, 2020, In: Kumar R., Singh V.P., Mathur A. (eds) Intelligent Algorithms for Analysis and

Control of Dynamical Systems. Algorithms for Intelligent Systems. Springer, https://doi.org/10.1007/978-981-15-8045-1_4, pp. 33-40

11. Kajal Kumbhar, **Sujit Das**, Solving multi-attribute decision-making problems using probabilistic interval-valued intuitionistic hesitant fuzzy set and particle swarm optimization, *Proceedings of Numerical Optimization in Engineering and Sciences (NOIEAS)*, Warangal, June 19-21, 2019, In: Dutta D., Mahanty B. (eds), Advances in Intelligent Systems and Computing, vol 979. Springer, pp 149-158
12. Amalendu Si, **Sujit Das**, Samarjit Kar, Extension of TOPSIS and VIKOR method for decision making problems with picture fuzzy number, *Proceedings of the Global AI Congress (GAIC)*, Kolkata, September 12–14, 2019, In: Mandal J., Mukhopadhyay S. (eds), Advances in Intelligent Systems and Computing, vol 1112. Springer, pp 563-577
13. Avijit De, **Sujit Das**, Samarjit Kar, Ranking of Interval Type 2 Fuzzy Numbers using Correlation coefficient and Mellin transform, *Proceedings of International Conference on Frontiers of Operations Research & Business Studies (FORBS 2019)*, Kolkata, December 27-28, 2019
14. Amalendu Si, **Sujit Das**, Intuitionistic Multi-fuzzy Convolution Operator and Its Application in Decision Making, *Proceedings of the International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA)*, Kolkata, March 24-25, 2017, Mandal J., Dutta P., Mukhopadhyay S. (Eds.), Communications in Computer and Information Science, vol 776. Springer, pp. 540-551
15. Sumonta Ghosh, **Sujit Das**, Parameter reduction of intuitionistic fuzzy soft sets and its related algorithms, *Proceedings of the 4th International Conference on Frontiers in Intelligent Computing: Theory & Applications (FICTA)*, Durgapur, November 16-18, 2015, Das, S. et al. (Eds.), Advances in Intelligent Systems and Computing Series 404, Springer, pp. 405-412
16. Debashish Malakar, Sulekha Gope, **Sujit Das**, Correlation measure of hesitant fuzzy linguistic term soft set and its application in decision making, *Proceedings of the 4th International Conference on Frontiers in Intelligent Computing: Theory & Applications (FICTA)*, Durgapur, November 16-18, 2015, Das, S. et al. (Eds.), Advances in Intelligent Systems and Computing Series 404, Springer, pp. 413-423
17. **Sujit Das**, Mahuya B. Kar, Tandra Pal, Samarjit Kar, Multiple Attribute Group Decision Making using Interval-Valued Intuitionistic Fuzzy Soft Matrix, *Proc. of IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)*, Beijing, July 6-11, 2014, pp. 2222 – 2229, DOI: 10.1109/FUZZ-IEEE.2014.6891687
18. **Sujit Das**, Megha Rani, Tandra Pal, Samarjit Kar, Interval-valued Induced Averaging Aggregation Operator and its application in group decision making with intuitionistic fuzzy information, *The Seventh International Joint Conference on Computational Sciences and Optimization (CSO)*, July 4-6, 2014, Beijing, pp. 307 – 311, DOI**:** 10.1109/CSO.2014.64
19. **Sujit Das**, Sandipta Karmakar, Tandra Pal, Samarjit Kar, Decision Making with Geometric Aggregation Operators based on Intuitionistic Fuzzy Sets, *International Conference on Business and Information Management (ICBIM)*, Durgapur, January 9-11, 2014, pp. 86-91, DOI: 10.1109/ICBIM.2014.6970940
20. Tanya Sen, **Sujit Das**, An Approach to Pancreatic Cancer Detection using Artificial Neural Network, *In Proceedings of International Conference on Advances in Computer, Electronics and Electrical Engineering (CEEE)*, Mumbai, April 27-28, 2013, pp. 56-60.
21. **Sujit Das**, Pijush kanti Ghosh, Samarjit Kar, Hypertension Diagnosis: A Comparative Study using Fuzzy Expert System and Neuro Fuzzy System, *In proceedings of IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)*, Hyderabad, July 7-10, 2013, DOI: 10.1109/FUZZ-IEEE.2013.6622434.
22. **Sujit Das**, Pijush kanti Ghosh, Samarjit Kar, Ranking of Alternatives in Multiple Attribute Group Decision Making: A Fuzzy Preference Relation Based Approach, *In Proceedings of International Symposium on Computational and Business Intelligence (ISCBI)*, New Delhi, August 24-26, 2013, pp. 127-130. DOI: 10.1109/ISCBI.2013.34
23. **Sujit Das**, Samarjit Kar, Intuitionistic Multi Fuzzy Soft Set and its Application in Decision Making, *Fifth International Conference on Pattern Recognition and Machine Intelligence (PReMI)*, Kolkata, December 10-14, 2013, P. Maji et al. (Eds.): Lecture Notes in Computer Science, 8251, Springer, pp. 587–592.

24. **Sujit Das**, Mithu Kuiti, Samarjit Kar, Group Decision Making in Medical System with Incomplete Fuzzy Preference Relation, *In proceedings of International Conference on Operations Research for Sustainable Development in Globalized Environment*, Kolkata, January 6 – 8, 2012, pp. 13.8.
25. **Sujit Das**, Samarjit Kar, Analyzing Consequences of Diabetes Mellitus Using Intuitionistic Fuzzy Set, *In Proceedings of IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)*, Hong Kong, December 10-13, 2012, pp. 1228-1232.
26. **Sujit Das**, Sriyankar Acharyya, Kalyani Mali, Introduction of Greedy Simulated Annealing For Solving University Course Timetabling Problem, *In proceedings of International Conference on Emerging Technologies (ICET)*, Durgapur, March 28 – 31, 2011, pp. 59-64.
27. **Sujit Das**, Sriyankar Acharyya, A Survey on Neighbor Solution Generation for University Course Timetabling Problem, *In proceedings of International Conference on Computing and Systems (ICCS)*, University of Burdwan, November 19 – 20, 2010, pp. 21-26.

Book Chapters:

1. Sajad Ahmad Rather, **Sujit Das**, Quantum computing-based metaheuristics for medical image segmentation, Nature-inspired Metaheuristic Algorithms, CRC Press, 2025 pp. 203-237
2. G Punnam Chander, Sujit Das (2023). A Linear Diophantine Fuzzy Soft Set-Based Decision-Making Approach Using Revised Max-Min Average Composition Method. In: Som, T., Castillo, O., Tiwari, A.K., Shreevastava, S. (eds) *Fuzzy, Rough and Intuitionistic Fuzzy Set Approaches for Data Handling*. Forum for Interdisciplinary Mathematics. Springer, Singapore 2023, pp. 165-181 https://doi.org/10.1007/978-981-19-8566-9_9
3. Ashish Undirwade, **Sujit Das**, Image Anonymization Using Deep Convolutional Generative Adversarial Network, *Machine Learning Algorithms and Applications*, Wiley, 2021, pp. 305-330,
4. **Sujit Das**, Samarjit Kar, Disease Diagnosis using Group Decision Making: A Fuzzy Preference Relation based Approach, *Operations Research Recent Advances*, Narosa, 2014, pp. 17-32
5. **Sujit Das**, Samarjit Kar, The Hesitant Fuzzy Soft Set and its Application in Decision Making, 2013, *Springer Proceedings in Mathematics and Statistics* 125, pp. 235-247

IT Skill Sets

Knowledge Domain **:**Artificial Intelligence, Data Structure, Soft Computing, Object Oriented Programming, Operating Systems, Problem Solving and Computer Programming, Optimization Technique

FDP/Conferences organized

	FDP/Conference/Seminar	Details	My Role
1	AI/ML: Foundations, Real-World Applications and Sustainable Development	10 days online FDP under **E&ICT Academy**, NIT Warangal in Association with Hirasugar Institute of Technology, Nidasoshi, Karnataka April 2 – 11, 2025 No of participants: 47	Coordinator
2	Recent Technological Innovations in Artificial Intelligence, Machine Learning and Data Science	10 days online FDP under **E&ICT Academy**, NIT Warangal in Association with JIS University Kolkata April 20 – 29, 2025 No of participants: 41	Coordinator
3	Recent Trends in Artificial Intelligence, Machine Learning and VLSI Design and Development	10 days online FDP under **E&ICT Academy**, NIT Warangal in Association with Dr B C Roy Engg College Durgapur, April 28 – May 7, 2025 No of participants: 45	Coordinator
4	Real Life Applications of AI, ML and Soft Computing Techniques	10 days online FDP under **E&ICT Academy**, NIT Warangal in Association with SRMIST, Ramapuram, Chennai, March 22 – 31, 2024) No of participants: 62	Coordinator
5	Real Life Applications of AI, ML and Data Science	10 days online FDP under **E&ICT Academy**, NIT Warangal in Association with JIS University Kolkata April 7 – 16, 2023) No of participants: 90	Coordinator
6	Data Science and Machine Learning using Python	5 days online FDP under CCE, **NIT Warangal** in association with JIS University Kolkata (January 10–14, 2023) No of participants: 68	Coordinator

7	Data Intelligence and Computation	5 days online FDP under CCE, **NIT Warangal** in association with Regent Education and Research Foundation, Kolkata (March 22– 26, 2022) No of participants: 53	Coordinator
8	Intelligent Computing and Applied Data Science	5 days online FDP under CCE, **NIT Warangal** in association with Brainware University Kolkata (Sept 12– 16, 2022) No of participants: 52	Coordinator
9	Optimization Techniques in ML and AI	10 days online FDP under **E&ICT Academy**, NIT Warangal in Association with Haldia Institute of Technology, West Bengal (Feb 26 – March 7, 2022) No of participants: 62	Coordinator
10	Data Science using AI and Soft Computing techniques 2021	10 days online FDP under **E&ICT Academy**, NIT Warangal in association with SRMIST, Ramapuram, Chennai (Sept 18 – 27, 2021) No of participants: 61	Coordinator
11	Big Data Analytics with Multi-Criteria Decision-Making Method	5 days online FDP under CCE, **NIT Warangal** in association with Heritage Institute of Technology, Kolkata (Sept 24 – 28, 2021) No of participants: 33	Coordinator
12	Machine learning and optimization for uncertain decision making 2021	5 days online FDP under CCE, **NIT Warangal** (March 5 – 9, 2021) No of participants: 52	Coordinator
13	Fuzzy Set: Theory and Application (FSTA) 2017	3 days National Seminar, Dept. of Mathematics**, NIT Durgapur** (Nov 30 Dec 2, 2017)	Joint Organizing Secretary
14	NCCCS 2012, RMSER 2015, FICTA 2015, FOTA 2016	Organized respectively by Dr. B. C. Roy Engg. College, Heritage Institute of Technology, **NIT Durgapur**	Organizing committee member