

CURRICULAM VITAE



Dr. Dinesh Kumar Kotary
HIG 18, Indiranagar, Kalyanpur
Kanpur, Uttar Pradesh
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Career Objective:

To excel in the professional world using my talent and nurturing the organization with fullest dedication.

Education Qualifications:

Course	Specialization/Subject	Institute/board	Year	Grade/Percentage
Ph.D	Communication System	MNIT Jaipur, Rajasthan	2021	9.75
M.Tech.	Communication System & Networks	NIT Hamirpur, HP	2012	7.8
B.Tech.	Electronics & Communication	Gautam Buddh Technical University, Lucknow, UP	2010	65.36
12 th	Mathematics	UP Board	2006	69.00
10 th	Science	UP Board	2004	76.83

Present Position: Working as Contractual Faculty in Electronics Department at HBTU Kanpur, UP from 5 August 2023 to till date.

Experience:

- Two year as an Assistant Professor in Electronics and Communication Department at I.E.T. Lucknow, UP
- Three and half year Working Experience as an Assistant Professor in Electronics and Communication Department in IEC University, Baddi, H.P.(From 2-July 2012 to 4-January-2016).

Computer Skills and Technical skills :

- Operating Systems: -WINDOWS
- Languages: -C, MATLAB

- Software: - MATLAB, COMMSIM, OPTSIM
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Area of interest:

- Wireless Communication
 - Digital Communication
 - Artificial Intelligence
 - Optimization
 - Signals and Systems
 - Digital Signal Processing
 - Adaptive signal processing
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Ph.D Thesis Title:

- Distributed Data Clustering using Density Based Approaches and Nature Inspired Algorithms for Wireless Sensor Networks.
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Dissertation topic in M.tech:

- Energy efficient cluster head selection for minimization of energy consumption in Wireless Sensor Networks.
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Foreign Visits: Bari, Italy to present IEEE Conference paper from 6-9 October 2019

Publications:

Journals:

- Dinesh Kumar Kotary, and Satyasai Jagannath Nanda. "Distributed robust data clustering in wireless sensor networks using diffusion moth flame optimization." Engineering Applications of Artificial Intelligence 87 (2020): 103342. **(SCI)[Impact factor-8.2]** (ISSN: 0952-1976)(Page- 103342)
- Dinesh Kumar Kotary, and Satyasai Jagannath Nanda. "Distributed clustering in peer to peer networks using multi-objective whale optimization." Applied Soft Computing 96 (2020): 106625. **(SCI)[Impact factor-8.7]** (ISSN 1568-4946.) (Page- 106625)
- Dinesh Kumar Kotary, Satyasai Jagannath Nanda and Rachana Gupta "A Many-objective Whale Optimization Algorithm to Perform Robust Distributed Clustering in Wireless Sensor Network" Applied Soft Computing 110 (2021) :107650**(SCI)[Impact factor-8.7]** (ISSN 1568-4946.) (Page- 107650)
- Dinesh Kumar Kotary, and Satyasai Jagannath Nanda "A Distributed Neighbourhood DBSCAN Algorithm for Effective Data Clustering in Wireless Sensor Networks" Wireless Personal Communication Springer 121 (2021). **(SCI)[Impact factor-2.2]** (ISBN 0929-6212) (Page- 2545–2568)
- Bhardwaj, Munish, S. Soni, and Dinesh. Kumar Kotary. "Comparative analysis of energy efficient routing protocol for wireless sensor network." IICA Special

Conferences:

- Dinesh Kumar Kotary and Satyasai Jagannath Nanda, "A Many-objective Chaotic Whale Optimization based Automatic Clustering Algorithm for Distributed Data Analysis in WSN" 2nd Odisha International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON), Siksha O Anusandhan, Bhubaneswar 11-12 November, pp. 1-6, 2022. (ISBN -978-1-6654-7840-3)
- Dinesh Kumar Kotary and Satyasai Jagannath Nanda, "A Point Symmetry Distance Based K-Means Algorithm for Distributed Clustering in Peer to Peer Networks", IEEE International Conference on System Man and Cybernetics (SMC-2019), Bari, Italy, 6-9 October, pp. 3573-3579, 2019. (ISBN-978-1-7281-4569)
- Dinesh Kumar Kotary and Satyasai Jagannath Nanda, "Automatic Determination of K in Distributed K-Means Clustering, ICRTAC 2019, VIT Chennai, 11-12 November pp. 556- 564, 2019. (Proceeding published in Procedia Computer Science, vol-165) (ISSN: 1877-0509)
- Dimple Km, Dinesh Kumar Kotary, and Satyasai Jagannath Nanda. "An Incremental RLS for Distributed Parameter Estimation of IIR Systems Present in Computing Nodes of a Wireless Sensor Network." ICACC-2017, Rajagiri College of Engineering, Kochi, India, August 22-24, pp 699-706, 2017.(Proceeding published in Procedia Computer Science, vol-115) (ISSN: 1877-0509)

Book Chapter

- Dimple Km, Dinesh Kumar Kotary, and Satyasai Jagannath Nanda. "Diffusion Least Mean Square Algorithm for Identification of IIR System Present in Each Node of a Wireless Sensor Networks." Computational Intelligence in Data Mining. Springer, Singapore, July 2018. 709-720. (ISBN 978-981-10-8055-5)

Expert Lectures:

- Delivered lecture session on MATLAB implementation of Particle swarm optimization for clustering in Faculty Development Program Advanced Optimization Techniques and hands-on with MATLAB/SCILAB conducted between 8-19 August 2022 by Electronics & ICT Academy MNIT Jaipur, NIT Patna and IIITM Jabalpur.
- Delivered lecture session on MATLAB implementation of Particle swarm optimization for clustering in Faculty Development Program Advanced Optimization Techniques and hands-on with MATLAB/SCILAB conducted between 6-17 September 2021 by Electronics & ICT Academy MNIT Jaipur, NIT Patna and IIITM Jabalpur.
- Delivered lecture session on MATLAB implementation of DBSCAN and K-Means clustering algorithms for clustering in Faculty Development Program Advanced Optimization Techniques and hands-on with MATLAB/SCILAB

conducted between 13-24 July 2020 by Electronics & ICT Academy MNIT Jaipur, NIT Patna and IIITM Jabalpur

Short term course attended

- Attended a One - week Online Joint Faculty Development Programme on “Machine Learning Application in Signal Processing and Communication Engineering” from 03 - 08 January, 2022.
- Attended one week Global NKN Summer Faculty Development Program on "Advancements in Signal Processing and Optimization Techniques” from 03-06-2019 to 07-06-2019.
- Attended one week Faculty Development Program on “Signal Processing and Data Mining Techniques for Research using MATLAB” from 27-03-2019 to 31-03-2019.
- Attended one week Global NKN Summer Faculty Development Program on "AI and Machine Learning" from 04-06-2018 to 08-06-2018.
- Attended two week Global NKN Summer Faculty Development Program on "Fundamentals of Analog and Digital Communication Systems" from 13-05-2017 to 22-05-2017.
- Attended one week GIAN course on "Multi Objective Optimization" from 15-12-2016 to 23-12-2016 at IIT Patna.
- Attended two week GIAN course on "Towards 5 G networks" from 12-09-2016 to 23-09-2016 at NIT Raurkela.

Strengths:

- Quick learner, highly motivated.
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Hobbies:

- Music, Cricket.
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Personal Details:

Name : Dinesh Kumar Kotary
Father's Name : Mr. Gulab Chandra
Sex : Male
Marital Status : Married
Nationality : Indian
Permanent Address : House No-3, Barethiya, Post-Kanti
Distt.: Prayagraj (U.P), Pin- 212107
Phone No : 09882712104
Date of Birth : 20-03-1989

Declaration:-

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Signature:



Name: Dinesh Kumar Kotary

References

1. Dr. Satyasai Jagantah Nanda
Assistant Professor
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Malaviya National Institute of Technology, Jaipur, Rajasthan
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2. Dr. Ravi Kumar Maddila
Assistant Professor
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2. Dr. Amit Mahesh Joshi
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