

Curriculum Vitae

1. Name (Block Letters) : NIPAN KUMAR DAS
2. Father's/Mother's/ Husband's Name : Ranjan Das
3. Current Designation : Assistant Professor
4. Department : Electrical Engineering
5. Institute : Jorhat Engineering College
6. Address for correspondence (with pin code) : Department of Electrical Engineering
Jorhat Engineering College
Jorhat -785007 (Assam)
7. Permanent address(with pin code) : House No. 40, Jurani Path
Rukminigaon, Guwahati-22
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E –mail : niponkd.das@gmail.com

8. Educational qualification (HSLC onwards)

Qualification	Board/University	Year of obtaining degree	Specialization
HSLC	SEBA	1984	
HS	AHSEC	1986	Science
B.E.	AEC (GU)	1991	Electrical Engg.
M.E.	JEC (DU)	2015	Instrumentation & Control

9. Research Degree(s):

Degree	Name of the University	Date of award	Title
Ph.D	Dibrugarh University	Pursuing	Load Frequency Control Via Adaptive Controllers

10. Details of Teaching/Research/Academic experience:

Designation	Employer	Period of Service		Scale of Pay
		From	To	
Assistant Professor	Education (CTM)	22.01.1999 to till date		

11. Details of publication

Journals

1. Jyotishikha Sharma, Nipan Kumar Das, “Water Level Control By Using Fuzzy Logic Controller” International Journal of New Technologies in Science and Engineering, Vol.3, Issue-5(2018).
2. Al Saheba Razina Akthara Choudhury, Nipan Kumar Das, “Fuzzy Logic Control based Internal Model Control scheme and Model Order Reduction for load frequency control in power system “International Journal of Industrial Electronics and Electrical Engineering, Vol.7, Issue-9 (2019)
3. Udesna Das, Nipan Kumar Das, “Implementation of Wireless sensor network and Fuzzy Logic in Smart Coal mine Monitoring System” International Journal for Research in Engineering Application & Management (IJREM), Vol.6, Issue-5 (2020).
4. Nipan Kumar Das, Dr. Mrinal Buragohain, “A Neoteric closed loop controller based on correlative-elemental curvature algorithm” Circuit World, Vol. 48 No. 3, pp. 341-353(2021).
5. Nipan Kumar Das, Papumoni Saikia, Dr. Mrinal Buragohain, Nikhil Saikia, “An Adaptive Controller Design using Duelist Optimization Algorithm for an Interconnected Power System”, International Journal of Engineering and Advanced Technology (IJEAT), Volume-11 Issue-4 (2022).
6. Nikhil Saikia, Nipan Kumar Das, “Load Frequency Control of a two area multi-source power system with electric vehicle”, Journal of Control, Automation and Electrical Systems (JCAE), Accepted (2022)

Book/e-book/book Chapter :

1. Das Udesna & Das Nipan Kumar, “Coal Mine Monitoring Smart Rover Using LabVIEW and Wireless Sensor Network”, Applications of Artificial Intelligence in Engineering, Book Chapter (AIS), pp217-224

Conferences

1. AnoopJyoti Nath, Nipan Kumar Das, “Design of a Robust Nonlinear Controller for a Synchronous Generator to Enhance Transient Stability” IEEE conference, NIT, Shillong, Meghalaya (2018)
2. Udesna Das, Nipan Kumar Das, “Coal mine monitoring smart Rover using LabVIEW and Wireless Sensor Network” GCAIA Conference, Jaipur, Rajasthan (2020).

3. Nipan Kumar Das, Papumoni Saikia, Dr. Mrinal Buragohain, “Load Frequency Control in Power Systems Using Duelist Optimization Algorithm Based Adaptive Controller”, International Conference on Emerging Electrical Systems and Control (ICEESC-21), Sethu Institute of Technology, Virudhunagar (2021)

12. Area of Specialization: Power System/ Control System

13. Areas of Research Interest : Load Frequency control/Power System stability

14. M.Tech Dissertation Supervised:

Sl No.	Name of Student	Dissertation	Year	Status
1	Jyotishikha Sharma	Water Level Control using Fuzzy Logic Controller	2018	Completed
2	AnoopJyoti Nath	Design of a Robust Nonlinear Controller for a Synchronous Generator to Enhance Transient Stability	2018	Completed
3	Al Saheba Razina Akthara Choudhury	Fuzzy Logic Control based Internal Model Control scheme and Model Order Reduction for load frequency control in power system	2019	Completed
4	Udeshna Das	Coal mine monitoring smart Rover using LabVIEW and Wireless Sensor Network	2020	Completed
5	Rimjim Saikia	IOT based Health Monitoring system	2021	Ongoing
6	Nikhil Saikia	Load Frequency Control of a two area multi-source power system with electric vehicle	2022	Ongoing

15. PhD Thesis Supervised: N/A

Sl No.	Name of Student	Research Topic	Year of registration	Status

16. Professional membership: N/A

Sl No.	Details	Organisation	Year
01			

17. Details of participation in Faculty Development program/STTPs/Training activities during 2018-2022

Sl No.	Details of FDP/STTPs/Training activities attended	Organisation	No of days	Year
1	Faculty Development Programme	IIT, Madras	1 Week	July'2018
2	Induction Training	NITTR, Kolkata	2 weeks	May'2018
3	Advanced Matlab and its applications	JEC, Jorhat	2 Day	May'2018
4	Signal Processing, Image processing, Computer Vision and Applications	JEC, Jorhat	2 Day	March'2018
5	NPTEL-AICTE FDP on Power System Analysis	NPTEL-AICTE	1&1/2 Week	Dec'2020
6	Recent Advances in RF and Photonics	IIT, Guwahati	1 Week	Feb'2021
7	NEP 2020-Reforms in Higher Education	NITTR, Kolkata	1Week	January'2022
8	Inculcating Universal Human Values in Technical Education	AICTE, New Delhi	1 Week	January'2022

18. List of short term courses organised/Conferences arranged/Course modules developed

Sl No.	Details of STTP/conferences organised	Venue	Date
1	Electrical Safety acts, Regulation and its Implementation in Industries	JEC, Jorhat	23 rd March'2018

19. Chair in Conference/ Invited Lecture/ Key note speaker: N/A

20. Details of R&D Projects: N/A

Sl No.	Details	Organisation	Year	Status	Amount

21. Details of Major Consultancy Projects involved

Sl No.	Details	Organisation	Year	Amount
1	Nir-Nirmal Water Supply Scheme at Jorhat, Assam Under World Bank as Third Party Evaluator	GDCL Under PHED, Assam	2017	90 Lakhs

22. Other information:

Sl No.	Details	Organisation	Year