

Curriculum Vitae

Name : **N. S. Jyothi**

Expansion of Initials : Nhayakkat Sathyapalan

Sex : Male

Date of Birth : 30 – 05 – 1964

Address (Office) : Professor
Department of E&E Engineering,
Malnad College of Engineering,
Hassan – 573 202.

Address (Home) : “Sowparnika”, Hasanamba Road,
Near Gundegowdana koppalu Circle,
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Date of joining : 22nd November 1988.

Present Designation : Professor & Head

Subjects of Interest : Dielectrics and Insulations, Control System,
Network Analysis, Electrical Machines and Drives



Qualifications:

Degree	Institution	University	Year of passing	Class obtained
B. Tech.	Govt. Engg. College, Thrissur	Calicut	1987	First
M. Tech.	R.E.C. Calicut	Calicut	1998	First
Ph.D.	IISc. Bangalore	-----	2015	-----

Memberships and Diploma		
The Indian Society for Technical Education	Life Member	LM 14949
The Institute of Engineers (India)	Fellow	F-121798-0
IEEE	Senior Member	90726133

Publications:

1. Vishwanath Hegde, V.N. Nandakumar and N.S. Jyothi, “Solid State Input Power Factor Conditioner with Active Current Wave shaping”, Proceedings of National System Conference, pp 489 – 492, January 14 – 16, 1995, DEI Agra, India.
2. Jyothi N.S. and Vishwanath Hegde, “Constant Voltage Self-excited Induction Generators”, Proceedings of National Conference on Energy Conservation, pp 57 – 62, March 13–14, 1995, IGIT Sarang, Orissa, India.
3. F. Gajendran, N.S. Jyothi and K. Sridhar Babu, “A Simple Versatile Novel Process Controller: PIF Controller”, Proceedings of Conference on Advances in Computing, pp 147 – 155, April 6 – 8, 1998, REC Calicut, India.
4. N.S. Jyothi, Vishwanath Hegde, H.G. Gopal and H.N. Suresh, “Self-Excited Induction Generators: A constituent of dispersed Generation”, Proceedings of National Workshop on Energy Auditing and Demand Side Management, pp 111-115, June 26 – 27, 1998, MCE Hassan, India.
5. H.N. Suresh, H.G. Gopal, M.S. Raviprakash, N.S. Jyothi, and L. Kumaraswamy, “ANN based load prediction from the Energy Management perspective”, Proceedings of the National Conference, pp 107-112, March 2 – 3, 2002, Annamalai University, Annamalainagar, India.
6. N.S. Jyothi, T.S. Ramu and Manoj Mandlik, “Temperature Distribution in Resin Impregnated Paper Insulation for Transformer Bushings”, IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 17, Issue 3, pp. 937-944, June 2010.
7. N.S. Jyothi, T.S. Ramu, “A model for the Temperature Distribution in Resin Impregnated Paper Bushings”, Proceedings of IEEE-PES Asia-Pacific Power and Energy Engineering Conference, March 27-29, 2012, Shanghai, China.
8. N.S. Jyothi, T.S. Ramu, “Statistical Methods for Accelerated Life Testing with Particular Reference to Resin Impregnated Paper Bushings”, Proceedings of IEEE-PES Asia-Pacific Power and Energy Engineering Conference, March 27-29, 2012, Shanghai, China.
9. Roshny Mathew, M.S. Srinath, N.S. Jyothi, “Automation of Electrical Power Distribution System”, i-manager’s Journal on Power system Engineering, Vol.3, No. 2, pp. 34-40, May-July 2015.
10. N.S. Jyothi, “ARIMA Model to Forecast Future Points in the Dataset of Partial Discharge”, Proceedings of International Conference on ICIAS-2015, pp. 158-161, November 28-29, 2015, Malnad College of Engineering, Hassan, India.
11. N.S. Jyothi, “A Non-Destructive Method for the Life Estimation of RIP Transformer Bushing”, Proceedings of 3rd IEEE Uttar Pradesh Section International Conference

- on Electrical, Computer and Electronics, pp. 25-28, December 09-11, 2016, IIT (BHU), Varanasi, India.
12. G. Erana Gouda, N. S. Jyothi, “ Analysis and Co-Simulation of BLDC Motor Drive with Fault Detection by FEA Method”, International Journal for Scientific Research & Development, Vol. 5, Issue 06, pp. 199-202, August 2017.
 13. Nishanth M., Jyothi N.S., “Co-Simulation of BLDC Motor Speed Control using Matlab/Simulink and Xilinx System Generator”, International Journal for Scientific Research & Development, Vol. 5, Issue 06, pp. 2201-2204, August 2017.
 14. Arjun G.T., Jyothi N.S., Mohana Lakshmi J., Neethu V.S., “Simulation of Vector Controlled Adjustable speed System of Doubly Fed Induction Machine”, International Journal on Recent and Innovation Trends in Computing and Communication, Vol. 6, Issue 6, pp 236-240, June 2018.
 15. Arjun G.T., Jyothi N.S., Mohana Lakshmi J, “Vector Control of Induction Motor using Xilinx System Generator”, International Journal of Research in Engineering and Technology, Vol. 07 Issue: 07, pp 141-149, July 2018.
 16. Arjun G.T., Jyothi N.S., “Analysis of Control Strategies for Induction Motor driven Electric Vehicles”, Proceedings of 4th IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT 2019), 13-14 December 2019, GSSS Institute of Engineering & Technology for Women, Mysore, India
 17. Mr. Ravi Kumar K. N, Dr. Jyothi N.S., Mr. Kiran Kumar N. Hittanagi, “Smart Industrial Lighting System for Energy Saving Purpose”, International Journal of Scientific and Research Publications, pp 114-119, Volume 9, Issue 12, December 2019.
 18. G.T. Arjun, N.S. Jyothi, V.S. Neethu, “Vector Control of Doubly fed Induction Machine for an Electric Vehicle Application”, IEEE International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), pp784-787, 27-28 August 2021, Sri Venkateshwara College of Engineering, Bangalore.
 19. Neethu V. S., Jyothi N.S. and Raghvendraprasad Deshpande, “Optimal EV placement using Particle Swarm Optimization Algorithm”, Proceedings of 5th IEEE International Conference on Electrical, Electronics, Computer Technologies and Optimization Techniques (ICEECCOT – 2021), pp 267-272, December 10-11, 2021, GSSS Institute of Engineering & Technology for Women, Mysore, India.

Workshops/ Seminars Conducted:

1. “A refresher course in Physics for high school teachers” conducted at MCE Hassan between 1st and 3rd December 2006, jointly with Department of Physics.
2. “A refresher course in Physics for high school teachers” conducted at AIT Chickmagalur between 27th and 29th July 2007, jointly with Department of Physics.
3. “A refresher course in Physics for high school teachers” conducted at MCE Hassan, between 8th and 12th August 2007, jointly with Department of Physics.

4. One day workshop on “Electrical Awareness to House Wives” conducted at MCE Hassan on 22nd September 2007.
5. One day workshop on “Electrical Safety in Domestic Sector” conducted at MCE Hassan on 18th November 2007.
6. Two-Day workshop on “MATLAB and Simulink Applications in Engineering” held at Malnad College of Engineering, Hassan during 18-19, March 2017.
7. Three-Day Faculty Development Program on “Digital Control System” held at Malnad College of Engineering, Hassan during 23-25, March, 2017.
8. Five day Faculty Development Program on “Computation and Real Time Analysis of Systems Using MATLAB & XILINX”, held at Malnad College of Engineering, Hassan during 16-20, July 2018.
9. Webinar on “Hybrid Electric Vehicle Technology”, by Toyota Learning & Development, India Division, Toyota Kirloskar Motor Pvt. Ltd., on 22nd November 2021.
10. Invited lecture on “Introduction to Power Quality”, by S. Chandrashekar, Additional General Manager (Retd.), held at Malnad College of Engineering, Hassan on 11th May 2022.

Workshops/ Seminars/Conferences Attended:

1. National Conference on Energy Conservation, March 13–14, 1995, IGIT Sarang, Orissa
2. National Conference on Advances in Computing, held at REC Calicut, Kerala during April 6 – 8, 1998.
3. National work shop on “Energy Auditing & Demand Side Management”, held at Malnad College of Engg., Hassan, Karnataka during 26th-27th June 1998.
4. Workshop on *Control Systems Laboratory*, organized by the Department of E & E Engineering, R. V. College of Engineering, Bangalore, Karnataka during 22 – 23 March, 2001.
5. One day work shop on VTU Syllabus revision (3rd and 4th semester), held at Malnad College of Engineering, Hassan, Karnataka on 10th May, 2003.
6. Faculty development programme on the subject *Modern Control Theory*, held at SIT, Tumkur, Karnataka during 23 – 26 August 2004 as resource person.
7. State level symposium on “Emerging Trends in Control and Instrumentation”, organised by Department of Instrumentation Technology, MCE, Hassan, Karnataka during 1st and 2nd September 2006.
8. Tutorial Workshop on “Advanced Control Systems”, organised by Centre for Continuing Education, Indian Institute of Science, Bangalore, Karnataka during 3rd & 4th February, 2007.
9. National Workshop on “Recent Advances in High Voltage Measurements and Testing Techniques”, organised by Department of Electrical & Electronics Engineering, MCE Hassan, Karnataka during 22 – 24 March 2007.

10. Two days workshop on “Power System Over voltages and their Mitigation” organised by Department of Electrical & Electronics Engineering, MCE Hassan, Karnataka during 27 – 28 April 2007.
11. Three days workshop on “Bringing Industry to Institutions” organised by the Industry Institute Partnership Cell, Malnad College of Engineering, Hassan, Karnataka during 19 – 21 February 2009.
12. Workshop on “Engineering Pedagogy & Curriculum Development” conducted by Centre for Continuing Education, Indian Institute of Science, Bangalore, Karnataka during 25th and 26th March, 2011.
13. The International Conference to commemorate the centenary of the Electrical Engineering Department, Indian Institute of Science, Bangalore organized during 15-17 December 2011 at IISc., Bangalore.
14. IEEE Asia-Pacific Power and Energy Engineering Conference held at Grand Mercure Baolong, Shanghai, China from 27th to 29th March, 2012.
15. Yogasanam-Pranayama camp, organised by MCE Staff club and Staff welfare association, Malnad College of Engineering, Hassan, Karnataka from 4th to 8th March, 2013.
16. Workshop on “Mind Ur Mind”, Sponsored under TEQIP held at Hotel Southern star, Hassan, Karnataka on 23rd March 2013.
17. Workshop on “Deriving Program Educational Objectives/Program outcomes/Course outcomes/Assessments for NBA Self-Assessment Report”, conducted at Malnad College of Engineering, Hassan, Karnataka between 11th and 13th July 2013.
18. National Workshop on “Patents and Innovations” held on 31st August 2014, at Malnad College of Engineering, Hassan, Karnataka.
19. One day workshop on “Procurement Practices”, conducted at PSG College of Technology, Coimbatore on 22nd August 2014.
20. One day training program on “e-Finacial Monitoring Report” held at Sardar Patel College of Engineering, Andheri (West), Mumbai on 10th June 2015.
21. International Conference on ICIAS-2015 during November 28-29, 2015, at Malnad College of Engineering, Hassan, India.
22. 3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics held during December 09-11, 2016, IIT (BHU), Varanasi, India.
23. 4th World Summit on Accreditation (WOSA-2018), “Challenges & Opportunities in Outcome Based Accreditation”, organized by National Board of Accreditation at The Ashok, New Delhi during 7-9, September 2018
24. 33rd Edition of Bridge’18, Fostering India for Industry 4.0, organized by ICT Academy, held at Hotel Le Meridien, Bengaluru on 26th September 2018
25. Tech VCs’ Conclave 2018 held at The Lalit Ashok, Bengaluru during 23-24, November 2018
26. National Conference on “Equity: Achievements and Challenges in India”, jointly organized by NPIU New Delhi, SPIU Maharashtra and MHRD, Govt. of India, New Delhi in association with College of Engineering, Pune during 15-16, March 2019.

27. Workshop on “Accounts, Tally and Audit Reports”, organized at PES College of Engineering, Mandya in association with SPIU Karnataka on 21st May 2019
28. Workshop on ‘The Future of Electro Mobility’, organized by IEEE Smartech at Hotel Sterling Mac, Bangalore on 02-03, July 2019.
29. Symposium on ‘Collaborative Research’, organised by PES College of Engineering, Mandya in collaboration with SPIU Karnataka, held at Hotel Preethi International, Mysore on 19th and 20th August 2019.
30. 40th Edition of ICT Academy Bridge-2019, on the theme "Augmenting Skills, Accelerating Growth" held at Taj, MG Road, Bengaluru on the 24th September 2019.
31. 43rd Edition of ICT Academy Bridge-2019 held at AICTE Auditorium, New Delhi on 11th December 2019.
32. Workshop on “Train the Trainers on Examination Reforms”, organized by BVB College of Engineering & Technology, Hubballi in collaboration with NPIU, New Delhi at KLE Technological University, Hubballi during 17-19 February 2020
33. 45th Edition of ICT Academy Bridge-2020 held at Research Park, IITM, Chennai on 26th February 2020.
34. 55th Edition of Talent Summit – 2020 (Developing Global Talent for the Future Work), organized by ICT Academy at Research Park, IITM, Chennai on 25th February 2020.
35. 56th Edition of Research Summit – 2020 (Augmenting the Intelligence Revolution), organized by ICT Academy at Research Park, IITM, Chennai on 25th February 2020.
36. 6th IEEE International Conference on “Electronics, Computing and Communication Technologies (IEEE CONECCT 2020)”, organized by IEEE Bangalore section during 2-4, July 2020.
37. Indo Universal Collaboration for Engineering Education (IUCEE) Annual Leadership Summit held during 10th to 12th July 2020.
38. ICT Academy annual members meeting, ‘Convergence 2020, organized by ICT Academy on 15th July 2020.
39. Webinar on “Procurement through Government e-Market Place (GeM) jointly organized by Government College of Engineering, Aurangabad and Ujjain College of Engineering, Ujjain on 4th August 2020.
40. Three Day National level Workshop on “Electrical Vehicle Design using MATLAB” organized by G.H. Rasoni Institute of Engineering & Technology, Pune in association with IEEE & Pantech eLearning during 10th – 12th September 2020.
41. Two day online workshop on “Transformation Through NAAC Accreditation Process, A National Level Workshop for Higher Educational Institutions”, conducted by Institute for Academic Excellence, Hyderabad in collaboration with Collegiate Education & Technical Education Department, Telangana State during 21st & 22nd June 2021.

Short Term Training Programs Attended:

1. “Non-Conventional Energy Sources”, held at P.E.S. College of Engineering, Mandya, Karnataka from 20th July 1998 to 25th July 1998.

2. "Operation and Maintenance of Industrial Instrumentation Systems", held at Sri Jayachamarajendra College of Engineering, Mysore, Karnataka from 14th September 1998 to 26th September 1998.
3. "Power Quality Issues and Remedial Measures", held at Calicut Regional Engineering College, Kozhikode, Kerala from 20th December 1998 to 2nd January 1999.
4. "Advances in Neural Computing", held at Sri Jayachamarajendra College of Engineering, Mysore, Karnataka from 26th July 1999 to 7th August 1999.
5. "Recent Trends in Computer Simulation of Electrical Machines and Control Systems", held at Calicut Regional Engineering College, Kozhikode, Kerala from 28th February 2000 to 11th March 2000.
6. "IT Enabled Supply Chain Management", held at T.K.M. College of Engineering, Kollam, Kerala from 29th October 2001 to 10th November 2001.
7. "Impact of New Technologies on Electric Power Industry", held at J.N.N.C.E. Shimoga, Karnataka from 20th January 2003 to 31st January 2003.
8. "Facts Controllers & Applications", held at NIT, Calicut, Kerala from 30th June 2003 to 12th July 2003.
9. "Feel Teacher – A development programme", conducted by Department of Learning and Development, College for Leadership and Human resource Development Mangalore, held at Malnad College of Engineering, Hassan, Karnataka from 1st July 2005 to 5th July 2005.
10. "Training Programme on Embedded System Design", Conducted by Department of Instrumentation Technology, Malnad College of Engineering, Hassan, Karnataka from 29th September 2005 to 6th October 2005.
11. "Emerging Trends in Power System Research", held during 23rd December 2013 to 3rd January 2014 at Malnad College of Engineering, Hassan, Karnataka.
12. "Pedagogical Training Program for Faculty Members", held during 15-17, December 2014 at Malnad College of Engineering, Hassan, Karnataka.
13. "Academic Leadership Programme for TEQIP Institutions", held during February 02-07, 2015 at Indian Institute of Management, Kozhikode, Kerala.
14. "Formulation, Modelling & Practical Applications of Operations Research", held during 25th May to 6th June 2015 at Malnad College of Engineering, Hassan.
15. "Innovations in Renewable Energy Technologies and its Integration with Smart Grid", held at R.V. College of Engineering, Bengaluru during 22nd to 27th June 2015.
16. "End to End Innovations", conducted by Continuing Education and Quality Improvement Programme, Indian Institute of Technology, Bombay during 07 – 11 March 2017.
17. "Electric Vehicles", Faculty Development Program conducted by Electronics & ICT Academy and Indian Institute of Technology, Guwahati, during 28th May – 1st June 2018.
18. "Professional Development Training" organised by IIM Udaipur during 19-21, January 2019.

19. “Scientific Computing with Python for Electrical Engineers”, Continuing Education & Quality Improvement Program conducted by IIT Bombay during 11-15, February 2019.
20. “Digital Transformation in Teaching Learning Process”, two week online course conducted by IIT, Bombay during 6 – 22 April 2020.
21. “Electric Vehicles”, 6 day online proficiency improvement programme jointly organized by The Automotive Research Association of India (ARAI), Pune and Rajarambapu Institute of Technology, Islampur, Sangli during 24 – 29 April 2020.
22. “Electric Vehicles: Batteries and BMS”, 4 day online proficiency improvement programme jointly organised by The Automotive Research Association of India (ARAI), Pune and Device Electronics Pvt. Ltd., Pune during 28th May to 1st June 2020.
23. “R Programming”, Six day online Faculty Development Program conducted by ICT Academy during 1st to 6th June 2020.
24. “Digital Teaching Techniques”, One week online certificate course organized by ICT Academy from 29th June to 4th July 2020.
25. “Inculcating Universal Human Values in Technical Education”, 5 day online workshop organised by AICTE during 24-28 August 2020.

Books/ Monograph:

1. *Laboratory Manual on DC Machines and Synchronous Machines* (Institutional level circulation), for fifth semester Electrical & Electronics Engineering students at Malnad College of Engineering, Hassan, prepared during 2003.
2. *Laboratory Manual on Transformers and Induction motors* (Institutional level circulation), for sixth semester Electrical & Electronics Engineering students at Malnad College of Engineering, Hassan, prepared during 2003.
3. *Laboratory Manual on Control Systems* (Institutional level circulation), for sixth semester Electrical & Electronics Engineering students at Malnad College of Engineering, Hassan, prepared during 2003.
4. Reviewed a text book on “*Control Systems: TMH Outline series*” for Tata McGraw Hill Book Company Limited during December 2003.
5. Reviewed a text book on “*Non-Conventional Energy Technologies*” for Tata McGraw Hill Book Company Limited during January 2005.

Other Activities/Achievements:

1. Worked as
Co-coordinator, Control systems syllabus committee, 4th Semester Curriculum Workshop on Electrical Sciences, VTU Composite Board, held at Malnad College of Engineering, Hassan, May 2003, Convenor, Association of E&E Engineering, Coordinator common tests, Coordinator Students Seminar.
2. Testing of Electrical equipment, Consultancy work, Department of E&E Engineering.

3. Member, Anti ragging committee.
4. Faculty Advisor, M.Tech. (EES & CAID) Programme, Dept. of E&E Engineering.
5. Convenor, Leo Club MCE, Hassan
6. Subject expert in Modern Control Theory, VTU e-Learning program
7. Convenor, Department Library from 1998 to 2009.
8. Reviewed a paper titled “Environment Friendly Polyester-imide Solvent less Impregnating Resin with Excellent Corona Resistance and Thermal Stability” for IEEE Transactions on Dielectrics and Electrical Insulation, December 2013.
9. Elevated to the grade of Senior Member of the IEEE in the year 2013.
10. PG Coordinator, M. Tech. (CAID) Programme, Dept. of E&E Engineering, MCE, Hassan.
11. Procurement Coordinator, TEQIP-II, MCE, Hassan (2012 – 17).
12. Elevated to the grade of Fellow of The Institution of Engineers (India) in the year 2016.
13. Member, AICTE Experts on “Approval Process”.
14. Reviewed three papers for Second IEEE International conference on Circuits, Control and Communications (C-CUBE) during August/September 2017.
15. Nominee of VTU, Belagavi to the BoS (E&EE) of PES College of Engineering, Mandya (2019-20 to 2021-22).
16. Coordinator, TEQIP-III (September 2017 – March 2021)
17. Dean (Planning & Development) – June 2020 to Sept. 2021
18. Head of the Department – 15th January 2021 to Till date

(N.S. Jyothi)