Dr.Roopa Nayak

Associate Professor and HOD,EEE Department

Experience (Teaching 13 years 6 months)

RNSIT (2003- Till date)

Qualifications

• B.E. from Manipal Institute of Technology

• M.Tech from JSS Academy of Technical Education

• Ph. D from VTU

Specialization (Academics)

• Analog Electronic Circuits

• Op-Amp and Linear Integrated Circuits

• Digital System Design

• Fundamentals of VLSI Design

• Power System Protection

Specialization (Research)

• Electric Drives

Publications

• Roopa Nayak, Shriraj, Chandan Gowda S, Arun Kumar S R, Ajay D, "Novel Methodology For Solar Panel Efficiency Enhancement", International Journal of Innovative Research in Technology, vol.11, issue 11, April 2025.

• Roopa Nayak, Dr. Andhe Pallavi, "Multi-Motor Octagonal Blender Drive", International Journal of Advanced Science and Technology, vol. 29 No. 05 (2020), pp. 6336-6345.

• Roopa Nayak, Andhe Pallavi, "Cost Analysis Based Algorithm for Load Shared Multiple Induction Motor Set-up", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, vol. 8, issue-4, pp. 478-482, November 2019. • DOI:10.35940/ijrte.D7100.118419

• Roopa Nayak, Andhe Pallavi, "A Comparison of V/f and Field Oriented Control of Three Phase Induction Motors Employed in Load Sharing" International Journal of Computer Sciences and Engineering, vol. 7, issue-13 , pp. 49-56, May-2019. • DOI: https://doi.org/10.26438/ijcse/v7si13.4956

• Roopa Nayak, Andhe Pallavi, " Novel V/f Strategy Using Command Speed Compensator for Improved Load Sharing with Dual Induction Motor", IJISET, vol.3, issue 2, February, 2016.

Book Chapter

Roopa Nayak, Andhe Pallavi, "Cost Analysis Based Strategy for Load Balancing in Multi-Induction Motor Systems", Chapter-1, pp.1-14, Engineering Research: Perspectives on Recent Advances, vo.4, 2025.

Patents

Patents Published - 2

Certifications

Data Science for Engineers, NPTEL

System Design through Verilog, NPTEL