



Name Dr. Prabhavathi C N

Designation: Associate Professor

Experience (Teaching and Industry)

RNSIT (2005- till date)
Previous college (1999-2005)

Qualifications

B.E. from PES Engg. College, Mandya
M.Tech. from Dayanand College of Engg. Bangalore
PHD from Jain University

Specialization (Research) : Signal Processing, Communication

International Conference : The following papers received Best Paper award:

[1] S. Saha, Prabhavathi. C. N., N. Kumar and D. K. Anvekar, "Energy Conservation in Wireless Body Area Network Using Optimal Route Selection and Node Configuration," 2023 International Conference on Data Science and Network Security (ICDSNS), Tiptur, India, 2023, pp. 1-6, doi:

10.1109/ICDSNS58469.2023.10245674, published in IEEE Explore. Indexing: Scopus

[2] Prabhavathi C N, Sanjay M Belgaonkar "Analysis of Deep Learning Technology for Ultrasound Segmentation," ERCICAM 2024, 23rd to 24th February, 2024, NMIT, Bangalore (To be published in Springer LNEE series).- (In press - Springer Lecture Notes in Electrical Engineering). Indexing - Scopus

Journals Published:

[1] Dr C N Prabhavathi "Image Processing and Bone Conduction for Deaf and Blind People" ,International Journal of Innovative Science and Research Technology Volume 7, Issue 5, May – 2022. p1458-1462.ISSN No:-2456-2165 UGC Care

[2] Anusha R, Ibrar Jahan , Prabhavathi C N "Turbo Code Using MAP Algorithm with Improved Area and Efficiency" ,International Journal of All Research Education and Scientific Methods , volume 12 , Issue 7 July 2024, ISSN: 2455-6211, pp-3230-3238, Indexing -WOS.

[3] Naveen Kumar V, Pawan D , Prabhavathi C N "Pot Hole detection and Levelling Robot " , International Journal of Multidisciplinary Research in Science , Engg and Technology, Volume 7, Issue 8 Aug 2024 , pp: 13994-14000, DOI: 10.15680/IJMRSET .2024.0708040, Indexing - WOS.

Book Chapters Authored

[1] EMI -The Need For Shielding, Dr Rajini v Honnunar , Dr Prabhavathi C N , Futuristic Trends in Electronics & Instrumentation Engineering with e-ISBN: 978-93-6252-491-1, IIP Series, Volume 3, Book1, Part 6, Chapter 2, Page 254-266. , May 2024 .

[2] Prabhavathi C N, Sanjay M Belgaonkar "Analysis of Deep Learning Technology for Ultrasound Segmentation," ERCICAM 2024, 23rd to 24th February, 2024, NMIT, Bangalore (To be published in Springer LNEE series).- (In press - Springer Lecture Notes in Electrical Engineering).

Book Authored

Dr C N Prabhavathi, Dr Rajini V Honnunar, " Introduction to Microwave and Antenna Fundamentals" , ISBN 978-81-948862-6-6, 2021.

Patent Granted

Indian Patent Application No. 202111029733 , "LOAD BALANCING DELIVERY BOX FOR MOTORCYCLES" August 2022 ,under Indian Patent , is granted on 12/11/24 with patent No.554196