

National/ International Journals Publications/Patent/Textbook

Patents Published

Title of the Invention “Sentiment Analysis on Social media fake posts using Machine learning Technology”, at Controller General of Patents, Designs & Trade Marks, Chennai-2023.

Title of the Invention “Technological Data method to tackle emerging mosquito borne disease” at Controller General of Patents, Designs & Trade Marks , Chennai-2023.

Title of the Invention “Association Rule Mining Algorithm for Enhanced Personal Information Protection in Cloud Encrypted Data” - at Controller General of Patents, Designs & Trade Marks , Chennai-2023.

Indian design Patent Grant Title - AI based Voice controlled purifier device”, at Controller General of Patents, Designs & Trade Marks , Chennai-2024.

UK design patent grant Title - IOT based smart COVID testing kit with digital display-- at Controller General of Patents, Designs & Trade Marks , Chennai-2024.

Title of the Invention “System and Method for Blockchain Based Secure Transactions in Digital Supply Chains”, at Controller General of Patents, Designs & Trade Marks , Chennai-2025.

BOOKS PUBLISHED

1 Book Title-Introduction to C Programming”, (NEP Syllabus, First Year) ,Scientific International Publishing House(SIPH),First edition,2023. Authors Name-Dr. Nandini N, Dr. Dr. P Vanajakshi, Mrs. Vani B A

2 Book Title-Machine Learning and Data Science- Scientific International Publishing House(SIPH),First edition,2024. Authors Name- Dr. P Vanajakshi ,Dr. Nandini N, Mrs. Vani B A ,Mrs. Nandini Gowda P ,Mr. Vinod Kumar K P

3.Book Title -Applications of Robotics and Automation - Scientific International Publishing House(SIPH),First edition,2025. Authors Name- Dr. Nandini N, Dr. P Vanajakshi, Dr. Vidyarani H J, Dr. Umadevi.H , Mr. Vinod Kumar K P.

Journal Papers Published

Vanajakshi P, Mathivanan M , Senthil Kumaran T, published paper titled “Modified Wiener Filter based Speech Restoration with Autocorrelation of Isolated Kannada Word Speech Recognition”, In: International Journal of Intelligent Engineering and Systems (IJIES), Intelligent Networks and Systems Society (INASS), (Scopus indexed).

Vanajakshi P, Mathivanan M , Senthil Kumaran T published paper titled “Continuous kannada speech segmentation and speech recognition based on threshold using MFCC and VQ” International Journal of Electrical and Computer Engineering (IJECE) Vol. 9, No. 6, December 2019, pp. 4684~4695 ISSN: 2088-8708, DOI: 10.11591/ijece.v9i6.pp4684-4695. (Scopus indexed).

Vanajakshi P, Mathivanan M , Senthil Kumaran T, “Investigation on Large Vocabulary Continuous Kannada Speech Recognition”, DOI:10.1504/ijbet.2021.10033352, International Journal of Biomedical Engineering and Technology(IJBET), Vol. 36, No. 1, 2021, Scopus Indexed, InderScience Journal, 2021,

P Vanajakshi, “Performance Analysis Of Mobile Node Using Media Independent Handover” published paper at IJCST on 20th May 2015.

P Vanajakshi, " Performance Analysis of DSR, AODV Routing protocols based on Wormhole attack in the Mobile AD-HOC networks”, International Journal of Wireless Networks and Communications (IJWNC), 2012, Volume 4, Issue- 1, PP-19-29.

Vanajakshi Published paper titled “Climate - Crop Interaction Modeling”, CSE International Journals on “Research in engineering technology and management – ICRET 2016 2015-16, Volume 4, issue 21 ISSN :2278 – 0181.

P Vanajakshi published a research paper entitled “Mamatheya Thottilu” Real Time Baby Cradle with Smart Assistance using IoT” IJERT, Volume 12, Issue 3 , March – 2023.

P Vanajakshi, published a research paper entitled “Prediction of Cardiac Arrhythmia using Machine Learning”, IJERT, Volume 12, Issue 2 , February – 2023

Dr. P. Vanajakshi Published paper Entitled “An Enhanced RNN-LSTM Model for Fundus image Classification to Diagnose Glaucoma”, Volume 5, Issue 5, SN Computer Science, ,2025