

Faculty Contribution to Academic Literature

The **Department of Humanities and Sciences** is proud to announce a significant academic accomplishment by **Dr. K. Gayathri Devi**, faculty member of the department, who has published a book titled **"Quantum Machine Learning: A Guide to Quantum AI."** The book has been published by **GCS Publishers**, reflecting a valuable contribution to the emerging and interdisciplinary field of quantum computing and artificial intelligence.

NOVEMBER 2025

About the Authors



Dr. Srinivasan Nagaraj is currently working in Chitanya Bharathi Institute of Technology, Proddatur as Professor in Computer Science and Engineering Department. He completed his M.Tech(CSE) from Acharya Nagarjuna University and was awarded with Ph.D. from Anasalai University in 2023. He published more than 20 research papers in National and International journals, he published 5 patents to his credit and also participated in 15 National and International Conferences. He taught all Computer science and Machine Learning subjects for Undergraduate and Post graduate students. He has a stint of 24 years of experience in various reputed colleges and universities of various academic and administrative positions.



Mohammed Ashique Azad serves as Assistant Professor in the Department of Computer Science and Engineering with cutting-edge research in quantum technologies. He is currently pursuing his doctoral research (PhD) in Quantum Computing from the National Institute of Technology (NIT), Jamshedpur, positioning himself at the forefront of this transformative field. His research expertise encompasses Quantum Computing with specialized focus on Quantum Machine Learning (QML), Quantum Cryptography, Quantum Sensing, and Quantum Convolutional Neural Networks (QCNN). With over five years of distinguished teaching experience across premier engineering institutions and universities in India, Mr. Azad has cultivated a reputation for academic rigor and innovative pedagogy. His unique multidisciplinary foundation spanning B.Sc.(Zoology), B.Tech and M.Tech in Computer Science and Engineering, MBA (Human Resource Management), PGDIPMA, and Diploma in Quantum Computing enables him to approach complex research challenges with diverse perspectives. He has established an impressive scholarly portfolio with numerous publications in prestigious national and international journals and conferences, complemented by multiple patents that underscore his ability to translate theoretical insights into practical innovations, making significant contributions to the advancement of quantum technologies and computational science.



Dr. Gayathri Devi Kalyanakaari, Currently working as Assistant Professor in the Department of Mathematical Science & Engineering, PVN, Institute of Engineering and Technology, Anantapur. She completed Ph.D from Sri Krishna Devraya University, Anantapuram in the year 2010 and has 15 years of academic and research experience. Prior to PhD, She had completed M.Sc in Mathematics from SKU in the year 2008, also B.Ed in Mathematics and Sciences in the year 2017 and B.Sc in Mathematical sciences from SKU in the year 2005. Her research interest includes developing teaching and learning for different teaching methodology, subjects and applications in areas of Fluid Dynamics, Thermodynamics, Machine Learning and Big-data analytics. She has around 10 publications, in various international journals and conferences. She is serving as an convener and member of Student support team, reviewer of several activities in the reputed colleges.



Dr. Madhukar Cherukuri is a seasoned professional with more than 15 years of diverse experience in the IT industry, Government, and Academia. He earned his Ph.D. in Computer Science from Delhi Technological University and Bachelors in Computer Science & Engineering from Andhra University. His academic interest encompasses Artificial Intelligence, Machine Learning, Software Engineering, Deep Learning, Data Analytics, Natural Language Processing, Cyber Security, and IOT. He has an outstanding record of research with more than 10 publications in SCIE and Scopus-indexed International journals and conferences. He also published 03 Indian and 01 UK patents. He is also the co-author of the book: "Deep Learning and its Applications". He has served on several academic, administrative, and technical committees at the university level. He played a key role in digital transformation initiatives, academic ERP implementation, and NEP 2020-based curriculum reforms. He has received multiple honours such as the Outstanding Performance Award and Best Employee Award.

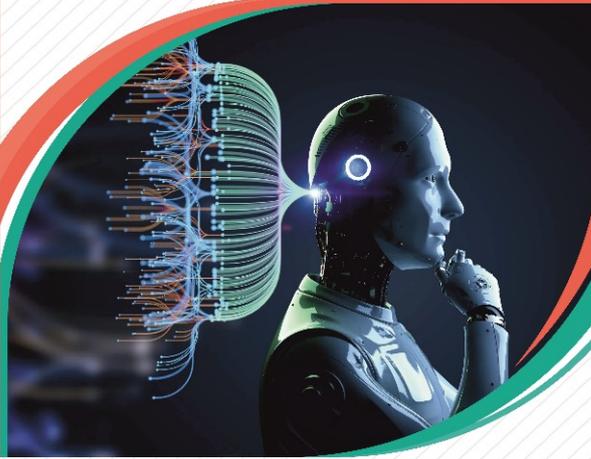
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QUANTUM MACHINE LEARNING: A GUIDE TO QUANTUM AI

**Dr. Srinivasan Nagaraj | Mohammed Ashique Azad
Dr. Gayathri Devi Kalyanakaari | Dr. Madhukar Cherukuri**

This publication highlights Dr. Gayathri Devi’s academic expertise and commitment to advancing knowledge in cutting-edge technologies. The book, bearing the **ISBN: 9789349392878**, serves as an important reference for students, researchers, and academicians interested in quantum machine learning and quantum AI. The Department of Humanities and Sciences congratulates **Dr. K. Gayathri Devi** on this commendable achievement and appreciates her efforts in strengthening the institution’s academic and research excellence.