



# **INTRODUCTION TO MACHINE LEARNING USING PYTHON**



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## Author's Profile



Dr. Chandrakant Pandurang Divate, a distinguished academician and researcher, was born in Kirloskarwadi, Maharashtra, India. He holds a Bachelor of Engineering (B.E.) degree in Computer Science and Engineering from Walchand College of Engineering, Sangli (affiliated with Shivaji University, Maharashtra) in 1995. Further advancing his expertise, he earned a Master of Engineering (M.E.) degree in Advanced Routing Algorithms in Computer Networks from the same institution in 2005. In 2024, he was awarded a Doctorate (Ph.D.) in Computer and Information Engineering from Visvesvaraya Technological University, India. Dr. Chandrakant Divate currently serves as the Dean at ATS Sanjay Bhokare Group of Institutes, Miraj, a position he has held since July 2011. With an illustrious 29-year career in academia, he has been a pivotal contributor to engineering education across Maharashtra. His academic credentials also include a Diploma in Business Management (DBM) from Shivaji University, obtained in 2007. A prolific researcher, Dr. Chandrakant Divate has published over 29 research papers in renowned international and national journals and has presented at five international/national conferences. His primary areas of expertise include Artificial Intelligence, Data Structures, Data Communication, Computer Networks, and Network Security. He is also the author of the book "Data Communication and Computer Networks" and has served as a reviewer for various distinguished publications. Additionally, he holds five utility patents in the domains of Artificial Intelligence and the Internet of Things (IoT). Beyond his research contributions, Dr. Chandrakant Divate has played a key role in educational reforms and accreditation processes. He has been actively involved in the implementation of National Board of Accreditation (NBA) policies in institute, ensuring quality assurance and enhancing academic standards in technical education. His contributions as IQAC Head to the National Assessment and Accreditation Council (NAAC) framework have been instrumental in institutional assessments and continuous improvements. Furthermore, his engagement with the National Education Policy (NEP) has enabled him to support transformative reforms aimed at fostering innovation, skill development, and academic excellence in Institute. Through his extensive academic, research, and administrative experience, Dr. Chandrakant Divate continues to shape the future of engineering education, driving excellence in research, pedagogy, and institutional growth.



Dr. Mrs. Asman Ayub Miraje, a distinguished academician and researcher, was born in Mumbai, Maharashtra, India. She holds a Bachelor of Engineering (B. E.) degree in Electronics Engineering from P. V. P. I. T. Budhgaon, Sangli (affiliated with Shivaji University, Maharashtra) in 1994. To further advancement in academics, she earned a Master of Engineering (M. Tech.) degree in Electronics and Communication Engineering from the Gautam Budh Technical University (Formerly Uttarpradesh Technical University) Lucknow in 2011. In 2018, she was awarded a Doctorate (Ph. D.) in Energy Efficient Routing Protocol for wireless sensor nodes in Internet of Things (IoT) from Maharishi University of Information Technology, Lucknow. She has also completed Master Degree in Business and Administration (MBA) from Bharati Vidyapeeth Deemed University, Pune in 2013. Dr. Mrs. Asman Ayub Miraje is currently serving as the Professor in Department of Computer Engineering at ATS Sanjay Bhokare Group of Institutes, Miraj. With vast teaching experience of 30 years in academia in both Degree as well as Diploma, she has been worked as Principal at Polytechnics, HOD at Degree colleges. As a researcher, Dr. Mrs. Asman Ayub Miraje has published over 05 research papers in renowned international and national journals. She holds two utility patents in the domains of Artificial Intelligence and the Internet of Things (IoT) and Machine Learning. Her primary areas of expertise include Artificial Intelligence, Object Oriented Programming, Python Programming, Data Structures, Business Communication, Business Intelligence, Employability and Skill Development. She has also taught German Language to Degree students. She is also an author of the book "Data Structure and Algorithm – A Practical Approach" by Lambert Academic Publishing. Apart from her research contributions, Dr. Mrs. Asman Ayub Miraje has played a key role in accreditation processes such as NAAC and NBA at Degree as well as Diploma Institutes. Also, her engagement with the National Education Policy (NEP) has enabled her to support transformative reforms aimed at fostering innovation, skill development, and academic excellence in Institute.