BIODATA & BOOK ENDORSEMENT:

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Dr. Rajesh H. Kulkarni is a distinguished academician, researcher, author, and academic administrator currently serving as the Head of the Department of CSE Allied at MVSR Engineering College, Hyderabad. With over 29 years of extensive professional experience in teaching, academic research, institutional administration, and educational leadership, he has made significant contributions to engineering education, technological innovation, and academic development. He previously served as Senior Associate Professor and Associate Head – Data Science at MVSR Engineering College, as well as Professor and Director at Smt. Indira Gandhi College of Engineering, Navi Mumbai. His professional journey reflects a sustained commitment to academic excellence, institutional transformation, and the advancement of emerging technologies.

He holds a Bachelor of Engineering (B.E.) in Computer Science and Engineering from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, a Master of Technology (M.Tech.) from Jawaharlal Nehru Technological University (JNTU), Anantapur, and a Doctor of Philosophy (Ph.D.) from Jawaharlal Nehru Technological University Hyderabad (JNTUH). He also holds a professional certification in Human–Computer Interaction from the Industrial Design Centre (IDC), Indian Institute of Technology Bombay (IIT Bombay). His academic qualifications and specialized training reflect a strong foundation in computer science, advanced computational technologies, interdisciplinary research, and human-centred technological design.

Dr. Kulkarni's areas of expertise encompass Data Science, Artificial Intelligence (AI), Machine Learning (ML), Explainable Artificial Intelligence (XAI), Research Methodology, Intellectual Property Rights (IPR), and Academic Leadership. His scholarly and professional contributions include authoring nine books, publishing over 25 research papers, and actively contributing to intellectual property development through 11 published patents, two granted design patents, one trademark, and one copyright. He is also the Founder of Uma Publications, Nanded, and CAVE Academy, Pune, reflecting his entrepreneurial vision and commitment to knowledge dissemination, professional development, and innovation-driven education.

As an experienced academic resource person and professional mentor, Dr. Kulkarni has delivered over 70 workshops, Faculty Development Programmes (FDPs), webinars, and invited lectures, collectively reaching more than 50,000 faculty members, industry professionals, and students. Through these academic and professional engagements, he has contributed to strengthening research competencies, promoting technological awareness, enhancing teaching methodologies, and encouraging the practical application of emerging technologies. His initiatives emphasize continuous learning, interdisciplinary collaboration, and the development of industry-relevant knowledge and skills.

His contributions to academic leadership and institutional development extend to organizing international conferences, mentoring innovation ecosystems, facilitating international academic collaborations, and supporting institutional quality assurance initiatives. He has actively contributed to accreditation processes involving the National Board of Accreditation (NBA) and the National Assessment and Accreditation Council (NAAC), alongside curriculum modernization, academic planning, and institutional development. His leadership approach emphasizes Outcome-Based Education (OBE), continuous quality improvement, research-oriented learning, and the alignment of academic programmes with evolving industry expectations.

Dr. Kulkarni remains committed to strengthening the integration of academia, industry, research, and entrepreneurship through collaborative initiatives and technology-driven solutions. His professional vision focuses on advancing applied research, encouraging innovation, fostering entrepreneurial thinking, and

developing educational ecosystems that prepare students and professionals for emerging technological challenges. Through his combined contributions to teaching, research, authorship, intellectual property development, academic leadership, and institutional advancement, Dr. Rajesh H. Kulkarni continues to promote excellence in engineering education and the development of innovative technologies with meaningful societal impact.

BOOK ENDORSEMENT:

Engineering education is not simply about learning programming languages, understanding algorithms, or mastering theoretical concepts. Its real purpose is to develop the ability to interpret technical problems, apply knowledge effectively, and adapt to technologies that continue to evolve. In Artificial Intelligence, this process begins with a clear understanding of the terminology used to describe intelligent systems, computational methods, and their practical applications.

The **World's First AI Vocabulary Handbook – 13,000+ AI Terms from A to Z** addresses an important aspect of this learning process by bringing together an extensive collection of AI-related terminology in a single reference. Its broad coverage provides students and professionals with an opportunity to become familiar with concepts extending across machine learning, intelligent automation, data science, and other emerging technological disciplines.

One of the challenges in technical education is the gap between encountering a concept and genuinely understanding its significance. Students may recognize expressions used in textbooks, research publications, or technical discussions without fully appreciating the principles behind them. A structured vocabulary resource can help address this gap by encouraging learners to investigate unfamiliar terminology and develop a clearer understanding of the subjects they study.

Technical competence is built not merely by acquiring information, but by understanding how concepts relate to one another and how that knowledge can be applied to solve practical problems.

For engineering students, this handbook can complement classroom instruction, laboratory learning, academic assignments, and project development. Familiarity with AI terminology may help them interpret technical documentation, participate more confidently in discussions, and explore technologies beyond their prescribed curriculum. Educators and researchers may also find it useful when introducing specialized concepts or examining developments outside their immediate areas of expertise.

Another important feature is the opportunity to discover less commonly encountered terminology. Engineering students should be encouraged to look beyond familiar technologies and investigate emerging approaches that may influence future applications. Exposure to a wider range of concepts can stimulate independent learning, strengthen analytical thinking, and broaden their understanding of technological possibilities.

As Artificial Intelligence becomes increasingly integrated into healthcare, manufacturing, business, education, and engineering systems, the ability to communicate technical ideas across disciplines is becoming more relevant. A shared understanding of terminology can support collaboration between engineers, researchers, developers, and professionals working on complex technological challenges.

The effectiveness of any technical reference ultimately depends on the accuracy of its definitions, clarity of explanations, and relevance to contemporary applications. When these qualities are maintained, a handbook of this nature can serve as a useful academic companion and support continued professional learning.
I appreciate the effort involved in developing this extensive vocabulary collection and its potential to make specialized AI terminology more approachable to a wider audience.

The value of engineering education becomes evident when students can move confidently from understanding a concept to exploring its application. If this handbook helps learners make that transition, it will have made a worthwhile contribution to their technical development and readiness for emerging technologies.