

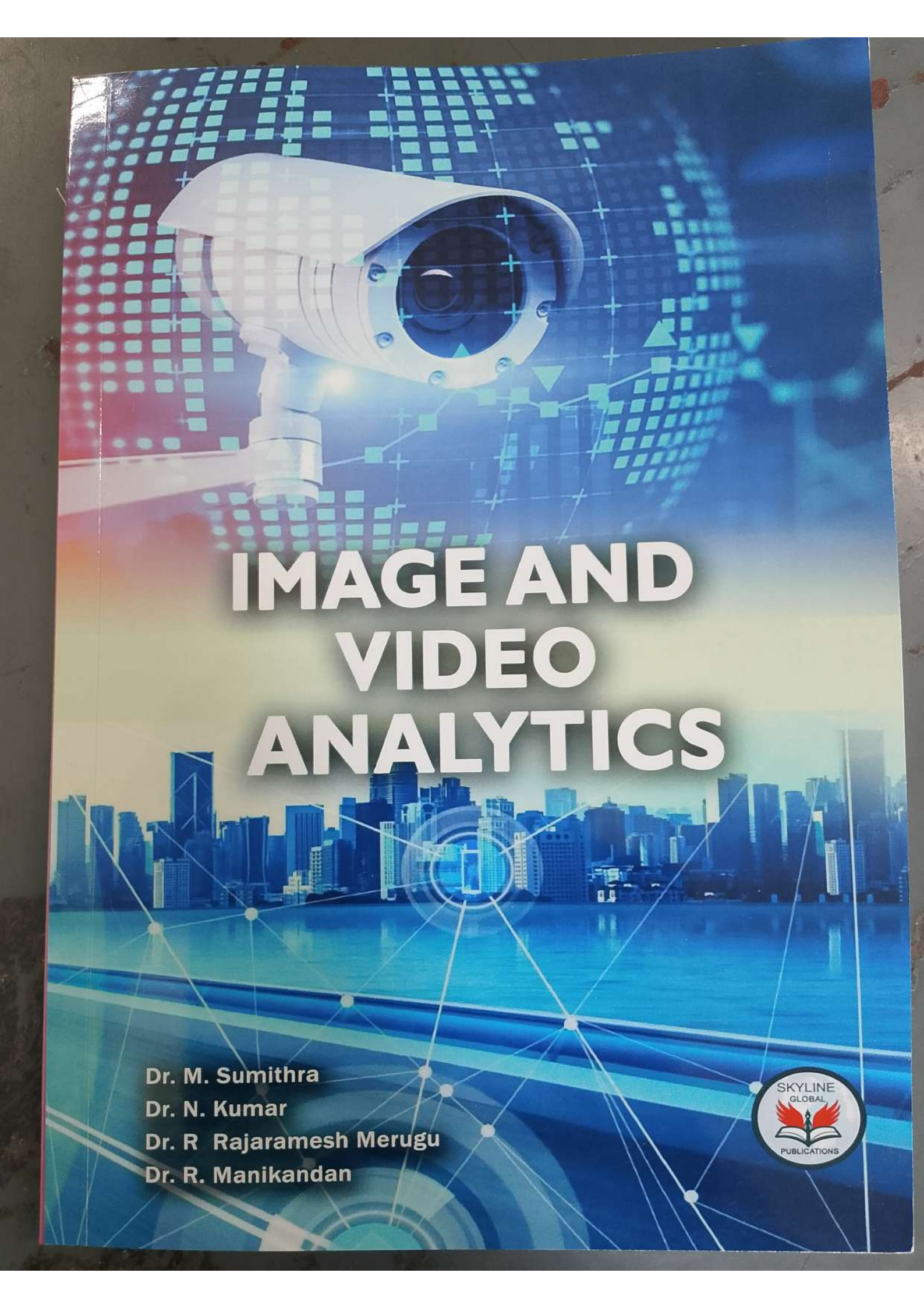


IMAGE AND VIDEO ANALYTICS

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Author's Profile



Dr. M. Sumithra is a Professor in the Department of Information Technology at Panimalar Engineering College, Chennai. She holds a Ph.D. in Computer Science and Engineering with over 22 years of teaching and research experience. She has authored and co-authored several books, including Fundamentals of AI and IoT, Programming and Design Patterns, Ethical Hacking, Programming for Robotics, and Computer Graphics and Multimedia. She has published 25 research papers in SCI, SCI-E, Web of Science, and Scopus-indexed journals and more than 30 conference papers in the areas of Artificial Intelligence, Image Processing, Data Mining, IoT, and Cybersecurity. Dr. Sumithra holds several patents and copyrights and has received awards for excellence in teaching, research, and academic leadership. Her contributions extend to NAAC, NBA, and NIRF accreditation initiatives and research mentoring.



Dr. N. Kumar is currently working as a Professor in the Department of Computer Science and Engineering, Vels Institute of Science, Technology and Advanced Studies (VISTAS), Chennai. He obtained his Ph.D. in Computer Science and Engineering from Karpagam University, Coimbatore, in 2015. With a distinguished academic career spanning 20 years, he has extensive teaching and research experience in the field of Computer Science and Engineering. He has published 83 research articles in reputed international journals, presented 46 papers at international conferences, authored 3 books, and holds 14 published patents, reflecting his strong commitment to innovation, research, and academic contribution. He has completed 13 Research Scholar. His key research interests include Computer Networks, Mobile Ad Hoc Networks (MANET), Wireless Sensor Networks (WSN), Cloud Computing, Image Processing, Network Security, Big Data Analytics, and Machine Learning.



Dr. R. Rajaramesh Merugu is a seasoned academician and researcher with over two decades of experience in teaching and research in the field of Computer Science and Engineering. He holds a Ph.D. from Andhra University, with research interests spanning Software Engineering, Artificial Intelligence, Machine Learning, and Cloud Computing. Currently serving as a Professor and HOD of AI & DS Department at DVR & Dr. HS MIC College of Technology, Kanchikacherla, Dr. Ramesh has previously held key academic and administrative positions at reputed institutions including Vishnu Institute of Technology and Sri Vasavi Engineering College. A GATE and UGC NET qualified professional, he has published extensively in SCIE, Scopus, and UGC Care journals, and holds patents in software quality and gesture recognition. His academic contributions are complemented by active participation in faculty development programs, workshops, and technical events. Dr. Ramesh is known for his commitment to academic excellence, student mentoring, innovation in emerging technologies.



Dr. R. Manikandan is a Professor in the Department of Electronics and Communication Engineering at Panimalar Engineering College, Chennai, with over 23 years of teaching experience. He received his Ph.D. in Image/Video Processing from the Department of Advanced Sports Training and Technology at Tamil Nadu Physical Education and Sports University, Chennai, in 2014. He obtained his master's degree in Applied Electronics from Anna University, Chennai, in 2008, and his undergraduate degree in Electronics and Instrumentation Engineering from Annamalai University, Chidambaram, in 2002. His research interests include image and video processing-based measurement techniques. He has published more than 35 research papers in national and international journals and conferences.

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