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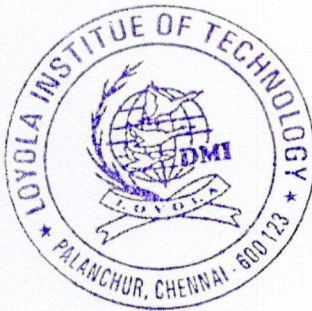
Link of Chapters/Books


Academic Year: 2022- 2023

Total number of Books/Chapters/Conference Proceedings published:

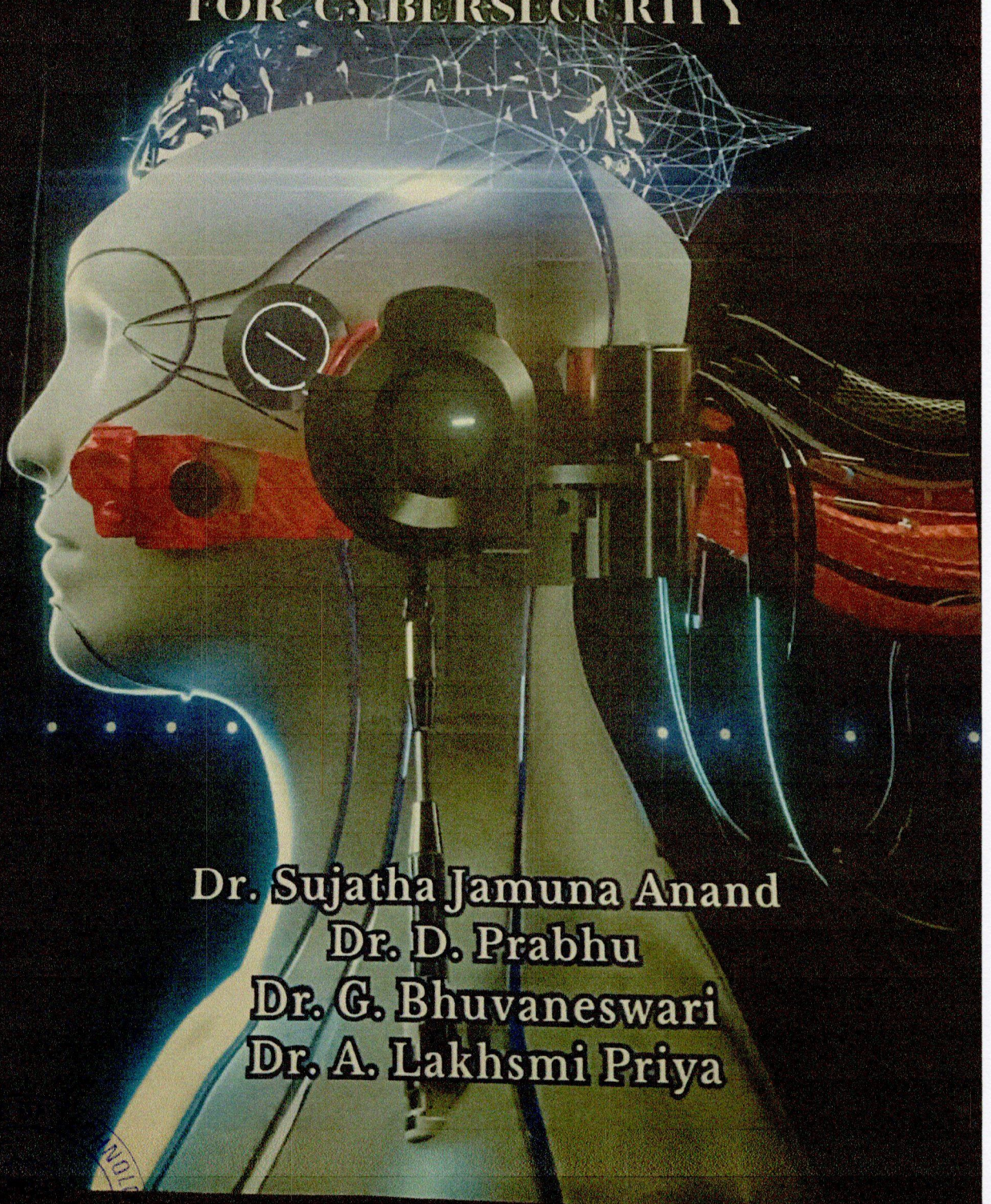
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S.No	Name of the Teacher	Title of the Books/Chapters/Conference Proceedings published	Year	ISBN number of the proceedings	Name of the publisher
1	Dr.Sujatha Jamuna Anand Mr.D.PrabhuDr.G.Bhuvanewari Dr.A.Lakshmi Priya	Artificial Intelligence(AI) and Machine Learning(ML) for Cyber Security	2023	978-93-92090-12-7	Jupiter Publications Consortium
2	Dr.A.Lakshmi Priya	Introduction to AI and ML	2023	978-93-5757-350-4	Scientific International publishing house
3	Dr.V.Balaji	Engineering Drawing	2023	978-93-91987-66-4	Jayalakshmi Publications




Principal
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ARTIFICIAL INTELLIGENCE (AI) AND MACHINE LEARNING (ML) FOR CYBERSECURITY



Dr. Sujatha Jamuna Anand
Dr. D. Prabhu
Dr. G. Bhuvaneshwari
Dr. A. Lakshmi Priya



Dr. Sujatha Jamuna Anand serves as the Principal at Loyola Institute of Technology, Chennai, with a rich background of over 25 years in academic leadership. Her scholarly contributions are highlighted by her authorship of pivotal research works published globally, alongside holding 4 innovative patents. As an influential member of the Academic Advisory Council for National Cyber Safety and an esteemed speaker on cybercrime against women, Dr. Anand champions cyber safety and education. Her commitment extends to serving as a POSH Committee External Expert, actively advocating for safe workplace environments across several companies. Recognized for her dedication to education and empowerment, Dr. Sujatha Jamuna Anand has received numerous accolades, including the "Women Empowerment Ambassador Award" and the "Outstanding Leader in Higher Education Award."



Dr. D.Prabhu, Assistant Professor and Head of Information Technology at Loyola Institute of Technology, Chennai, holds a B.E (EEE) and M.E (CSE) from Annamalai University (2007, 2009) and a Ph.D. in Computer Science and Engineering from the same university in 2024. With 15 years of teaching and 2 years of industry experience, he has over 6 publications in reputable journals, guided 25+ UG projects, holds 2 national patents, and authored a book on AI applications. His research focuses on Machine Learning, Cyber Security, AI, Cloud Computing, and Signcryption.



Dr. G. Bhuvanewari serves as Professor and Head of Computer Science and Engineering at Loyola Institute of Technology, Chennai. With degrees from Bharathidhasan University (B.E CSE, 2000) and Anna University (M.E CSE, 2008; Ph.D. in Information and Communication Engineering, 2017), she brings 21 years of teaching experience. She has published 12 papers in journals, 5 in IEEE conferences, and guided over 30 projects at both undergraduate and postgraduate levels. Her achievements include 2 patents, a research copyright, a Best Paper award at an IEEE conference, and the 2020 HOD of the Year Award from the Institute of Scholars, Karnataka. Her expertise spans Artificial Intelligence, Machine Learning, Image Processing, Computer Vision, Networks, Cloud Computing, and IoT.



Dr. A. Lakshmi Priya serves as Professor and Academic Head at the Electronics and Communication Engineering Department, Loyola Institute of Technology, Chennai. She earned her B.E (ECE) from Bharathidhasan University in 2001, M.Tech from Dr. MGR University in 2008, and Ph.D. in Information and Communication Engineering from Anna University in 2019. With 19 years in academia, she has over 10 publications, filed a patent, and received copyright for her research. She is a three-time Best Faculty Award winner and has contributed as a resource person and judge at technical events. Her research interests include Cyber Security, Neural Networks, AI, Image Processing, Speech, and Signal Processing.

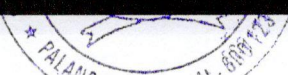


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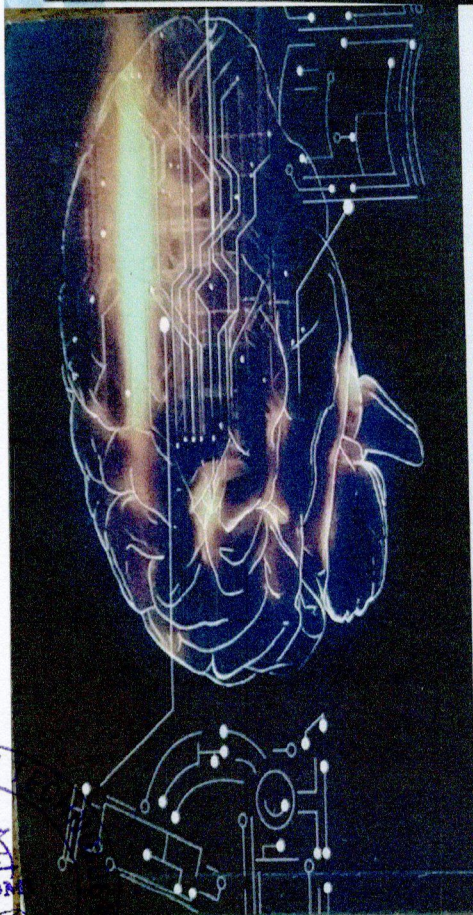
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Academic Year 2022-2023



INTRODUCTION TO AI AND ML

Dr. A. LAKSHMI PRIYA
Dr. G. S. UTHAYAKUMAR
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HARSHA J. SARODE



Author's Profile

Dr. A. Lakshmi Priya is working as a Professor and Academic Head in the Department of Electronics and Communication Engineering, Loyola Institute of Technology, Palanchur, Chennai, Tamil Nadu. She completed B.E (ECE) at Bharathidasan University, Tiruchirappalli. In the year 2007, M.Tech (Applied Electronics) at Dr. MGR University in 2008 and awarded the Doctoral degree Ph.D. in Information and Communication Engineering by Anna University, Chennai in the year 2015. She has 15 years of experience in teaching and publishing more than 10 papers in the referred National and International Journals, filed 2 patents and received copyright for her research work. She won three best research award and also received "Nottostar" award from "Aryam Foundation" for the year 2022. She areas of interest are Cyber Security, Smart Network, Artificial Intelligence, Image Processing, Speech Processing and Signal Processing.



I am basically an Electronics and Communication Engineer with M.E. (Micro-Processing and M.E. Medical Electronics) and completed Ph.D. in College of Engineering, Anna University. I had completed Master of Social Work (M.S.W) through KJ Somaiya, New Delhi. I have 31 years of experience in various fields in 17 over 12 years of design and development experience and in teaching I have 20 years of experience. I have published more than 30 International Journal papers and presenting papers at various international and national level conferences in different engineering colleges. I have submitted various IEEE technical student branch chapters such as Communication Society, Antenna and Propagation Society, Industrial Electronics Society, Engineering in Medicine and Biology Society, Broadband Technology Society, Computer Society, Computational Intelligence Society and Control Systems Society in our college.



Dr. B. Geetha Vani has been working as Professor & HOD in the Department of Computer Science Engineering at Bharathidasan Institute of Engineering, Technology, Palur, A.P. She has 28 years of experience in Teaching. She did her B.Tech in M.Tech in CSE at JNTU University, Hyderabad, A.P. She was awarded her Ph.D. in Computer Science and Engineering with specialization in Artificial Neural Networks and Information Security from JNTU University, Kakinada, Andhra Pradesh. She has focused research in the field of Artificial Neural Networks, Machine Learning, Computer Networks and Information Security/Intelligence Processing.



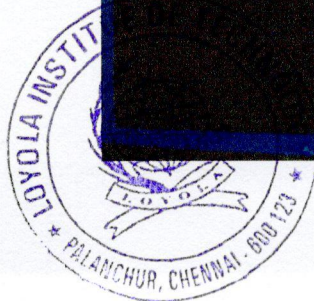
Harsha J. Sarode is working as Asst. Professor in the Department of Electronics and Telecommunication Engineering at Bhanu Maharashtra Institute of Engineering & Technology, Talegaon Dabhunde, Pune, Maharashtra, India. She secured a M.E. degree from Sanjivani Pratishthan University, Pune, Maharashtra, India in the area of Digital Electronics. She has presented 9 papers in International and 2 papers in National Journals, and 6 papers in National and International Conferences. Her main area of interest includes Image Processing, Signal Processing, Information Theory, Coding Techniques & Communication Network, Machine Learning, and Deep Learning.



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ENGINEERING DRAWING

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Dr. Gunji Venkata Punna Rao is working as an Assistant Professor in the Department of Mechanical Engineering at Dr.M.G.R. Educational and Research Institute graduated in Mechanical Engineering at Anna University, Chennai, India. He secured Master of Engineering in CAD/CAM at Anna University, Chennai, India. He completed Ph.D. in the field of Lead Manufacturing at Dr.M.G.R. Educational and Research Institute, Chennai, India. He is in teaching profession for more than 12 years. He has presented number of papers in National and International Journals, Conference and Symposia. His main areas of interest includes Lean and Green Manufacturing and composite materials.



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Dr. V. Balaji Venkatesan is Professor and Head of the Department of Mechanical Engineering at Loyola Institute of Technology affiliated to Anna University, Chennai, India. Venkatesan completed his Ph.D. at Anna University, Chennai. He completed his post-graduation in Internal Combustion Engineering at College of Engineering Guindy, Anna University, Chennai. His research areas are Thermal Engineering, Internal Combustion Engines (ICE), Optimization Techniques, Research Methodologies etc. He has collaborated actively with researchers in several other disciplines in our country especially in Mechanical Engineering, most notably in piston motion, parametric studies, velocity profile analysis on problems related to simulation interface. He has served as technical committee head for roughly ten conferences and workshops and worked as the reviewers for several national and international journals. He also served as Reviewer in International Journal of Engineering Research and Technology, Technium, Romanian Journal of Applied Sciences and Technology. He published almost 30 research articles in various national and international journals, organized and published 8 books. He has presented 8 papers in various national and academic events. He holds 12 international Patents and 8 published books. He is also a life member of a fellow member in Universal Association of Mechanical and Aeronautical Engineers (UAMAE), Institute of Research Engineers and Doctors (IbREED - SNM20220220702). He has received Research Excellence Award 2022 from InSB.

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