LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)
L.B.Reddy Nagar, Mylavaram – 521 230, NTR District, Andhra Pradesh, INDIA.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada.
Accredited by **NAAC** with "**A**" Grade and **NBA** Tier-1 for ASE, CE, CSE, IT, ECE, EEE & ME.
An **ISO** 21001:2018, 14001:2015, 50001:2018 Certified Institution.

Research & Development Cell

Date: 12-10-2023

i. Details of Books/Chapters for the Academic Year 2022-23

AI & DS: 6,**ASE**: 0, **CE**: 1, **CSE**: 5, **ECE**: 19, **EEE**: 4, **IT**: 0,**ME**: 9, **FED**: 0, **MBA**: 0;   **Total:** 44
Total Number of **Books**: **22**   Total Number of **Chapters**: **22**

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
		Department of AI & DS: 06		(Books: 6 & Chapters: 0)	
1.	**Editors: Dr. O. Rama Devi V. Sowjanya** P. Ashok	Research Algorithms in Real world Applications	Immortal Publications	Mar-2023	978-93-5780-385-4 **(Print Version)**
2.	**K. Sudhakar** Dr. KVNR Sai Krishna	Python experiments for Mechanical Engineers	SS Publications	Nov-2022	978-81-947453-3-4 **(Print Version)**
3.	**K. Sudhakar** Dr. KVNR Sai Krishna	Introduction to Industry 4.0 and It's future.	SS Publications	Oct-2022	978-81-947453-2-7 **(Print Version)**
4.	**S. Siva Rama Krishna**	Introduction to Data Science & Its Applications	SS Publications	Apr-2023	978-81-936640-8-7 **(Print Version)**
5.	Dr. S. Pushpa **Venkatesh Koreddi** Dr. K. Deepa Dr. N. A. Sheela Selvakumari	Artificial intelligence: Principles and concepts	Alpha International Publications	Dec-2022	978-939-59-7868-2
6.	**V. Sowjanya**	A Survey on Parkinson's Disease Diagnosis through Computer Assist	Scope of Federated Learning in Next Gen Industrial Systems	Dec-2022	978-93-5777-445-1 **(Print Version)**
		Department of CE: 01		(Books: 0 & Chapters: 1)	
7.	Dr. B. Sumanth Kumar, **Dr. V. Ramana Kollipara**, Dr. D. Rama Seshu	**Conf. Proceedings:** Environmental Concerns and Remediation	Springer	Sep-2022	978-3-031-05984-1

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
		Proceedings of F-EIR Conference 2021 **Chapter 10**: Experimental Study on Fly ash and GGBS Based Geopolymer Corbels			
Department of CSE: 05			**(Books: 1 & Chapters: 4)**		
8.	**Shaik Johny Basha**, T. Ammannamma, A. Nageswari, Kolla Vivek	Data Structures and Algorithms with Java Script	Notion Press	Sep-2022	979-8888150924
9.	**Swathi Buragadda**, G.V. Rajya Lakshmi	**Book:** Recent development in Deep Learning Applications: Healthcare and agriculture **Chapter 10:** A Comparative study on machine learning and Deep learning Techniques in Agriculture	Immortal Publications	Oct-2022	978-93-5680-798-3 **(Print Version)**
10.	**Kundeti Naga Prasanthi**, M.V.P. Chandra Sekhara Rao, Ch. Sudhasree, P. Seshu Babu	**Book:** Information Security and Privacy in the Digital World **Chapter**: Enhanced Hybrid Privacy Preserving Data Mining	Intech Open	Nov-2022	978-1-83768-196-9
11.	**Swathi Buragadda**, Padmaja Grandhe K. S. R. Radhika, Srikanth Busa, D. Omkar Aviansh	**Book:** Advancement of Deep Learning and its Applications in Object Detection and Recognition **Chapter 11:** An Extensive Study on Object Detection and Recognition using Deep Learning Techniques	Taylor and Francis Group River Publishers	May -2023	9781003393658

Books and Book Chapters: A.Y – 2022-23

Sl.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
12.	**K. Devi Priya,** **V. Chandra Kumar**, V. Anusha	**Book:** Research algorithms in real world applications **Chapter 11:** Breast Cancer Detection Analysis using Machine Learning algorithms	Immortal Publications	Feb -2023	978-93-5780-385-4 **(Print Version)**
		Department of ECE: 19		**(Books: 11 & Chapters: 8)**	
13.	**Rajeswari**, N. Vinod Kumar, K.M. Suresh, N. Sai Kumar, K. Girija Sravani	**Book**: Machine Learning for VLSI Chip Design **Chapter 4:**IoT-Based Smart Home Security Alert System for Continuous supervision	Wiley Online Library	June-2023	9781119910497
14.	**K. Sasi Bhushan**, U. Preethi, P. Naga Sai Navya, R. Abhilash, T. Pavan, K. Girija Sravani	**Book**: Machine Learning for VLSI Chip Design **Chapter 7:**Investigation of Diabetic Retinopathy Level Based on Convolution Neural Network using Fundus images	Wiley Online Library	June-2023	9781119910497
15.	**B. Ramesh Reddy**, K. Bhargav Manikanta, P.V.V.N.S. Jaya Sai, R. Mohan Candra, M. Greeshma Vyas, K. Girija Sravani	**Book**: Machine Learning for VLSI Chip Design **Chapter 8:**Anti-Theft Technology of Museum Cultural Relics using RFID technology (127-138)	Wiley Online Library	June-2023	9781119910497
16.	**Narendra Babu Alur**, Kurapati Poorna Durga, Boddu Ganesh, Manda Devakaruna, Lakkimsetti Nandini, A. Praneetha, **T. Satyanarayana,** K. Girija Sravani	**Book**: Machine Learning for VLSI Chip Design **Chapter 10:**Design of Smart Wheelchair with health Monitoring System (161-170)	Wiley Online Library	June-2023	9781119910497

Books and Book Chapters: A.Y – 2022-23

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
17.	**K. Rani Rudrama**, Mounika Ramala, Poorna Sasank Galaparti, Manikanta Chary Darla, Siva Sai Prasad Loya, K. Srinivasa Rao	**Book**: Machine Learning for VLSI Chip Design **Chapter 11:** Design and Analysis of Anti-Poaching Alert System for Red Sandalwood Safety (171-183)	Wiley Online Library	June-2023	9781119910497
18.	**T. Anil Raju**, K. Srihari Ressy, Sk. Arifulla Rabbani, G. Suresh, K. Saikumar Reddy, K. Girija Sravani	**Book:**Machine Learning for VLSI Chip Design **Chapter 12:**Tumor Detection using Morphological Segmentation with DSP processor TMS320C6748 (185-194)	Wiley Online Library	June-2023	9781119910497
19.	**P. Venkateswara Rao,** V. Hymavathi, L. Pavan Kumar, Ch. Ugandhar Venkata Sai Krishna	**Book Series:** Part of Smart Innovation, Systems and Technologies, **Book**: Intelligent Manufacturing and Energy Sustainability, ICIMES 2022, 571-580 **Conference Paper:** Smart Watch for panic alert	Springer	June-2023	978-981-19-8497-6
20.	**P. Rakesh Kumar**, **B. Siva Hari Prasad,** K. Srilatha, Ch. Yogendra	**Book Series:**Part of Smart Innovation, Systems and Technologies, **Book:** Intelligent Manufacturing and Energy Sustainability, ICIMES 2022, **Conference Paper:** A Compact wideband rectangular patch antenna for wireless applications	Springer	June-2023	978-981-19-8497-6

Books and Book Chapters: A.Y – 2022-23

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
21.	**Ch. Siva Rama Krishna**, M. Vasavthi, K. Hemanth Reddy, G. Jaswanth	**Book Series:**Part of Smart Innovation, Systems and Technologies, **Book:** Intelligent Manufacturing and Energy Sustainability, ICIMES 2022, **Conference Paper:** Heart disease prediction using Machine Learning	Springer	June-2023	978-981-19-8497-6
22.	**M. Sambasiva Reddy**	**Book Series:** Part of Smart Innovation, Systems and Technologies **Book:** Intelligent Manufacturing and Energy Sustainability, ICIMES 2022, **Conference Paper:** Fire and Gas Detection System for Home and Industry Safety using ARM7 through ESP8266 Wi-Fi Module	Springer	June-2023	978-981-19-8497-6
23.	**Dr. E.V. Krishna Rao**	Part of Lecture Notes in Electrical Engineering Series: Advances in Signal Processing, Embedded Systems and IoT Proceedings of Seventh ICMEET- 2022 Raspberry Pi Alive Human Detection Robot using PIR Sensor	Springer	May-2023	978-981-19-8865-3
24.	**Dr. A. Narendra Babu**	Part of Lecture notes in Electrical Engineering, Advances in Signal Processing, Embedded Systems and IoT,	Springer	May-2023	978-981-19-8865-3

Books and Book Chapters: A.Y – 2022-23

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
		Proceedings of Seventh ICMEET- 2022. Tropospheric Zenith Dela (TZD) for microwaves during severe weather events over a few Indian stations			
25.	**Dr. Y. Amar Babu**	**Book Series**: Advances in Transdisciplinary Engineering Alive Human Detection and Health Monitoring using IoT based Robot	IOS Press	Jan-2023	978-1-64368-360-7
26.	**Smt. K. Rani Rudrama**	**Book Series**: Advances in Transdisciplinary Engineering, Intelligent Vehicle Safety and Security Monitoring System using ECU & VSU Technology	IOS Press	Jan-2023	978-1-64368-360-7
27.	**V.V. Rama Krishna**	**Book Series:** Advances in parallel Computing Advances in parallel Computing Algorithms, Tools and Paradigms Fire Detection using Deep Convolution Neural Network in Video Streams	IOS Press	Nov-2022	978-1-64368-314-0
28.	**V.V. Rama Krishna**	**Book Series**: Advances in parallel Computing Algorithms, Tools and Paradigms,	IOS Press	Nov-2022	978-1-64368-314-0

Books and Book Chapters: A.Y – 2022-23

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
		Smart Surveillance System using Fae and Optical Character Recognition for Secure Environment			
29.	**M. Venkata Sudhakar**	**Book:** Part of the Algorithms for Intelligent Systems book series (AIS) **Chapter:** Simplified Design of IMC Tuned PID Controller for Integrating Process based on Maximum Sensitivity **Conference**: Proceedings of International Conference on Communication and Computational Technologies	Springer	Sep-2022	978-981-19-3951-8_7
30.	**G.L.N. Murthy,** Rajesh Babu Nemani, **M.Samba Siva Reddy, M.K. Lingamurthy**	**Book**: Cognitive Computing Models in Communication Systems **Chapter**: Review on Detection of Neuromuscular Disorders using Electromyography	Wiley Online Library	Sep-2022	9781119865070
31.	**Poornaiah Billa**, Srinivasa Rao Y	Studies on Stability Properties of Polymer Thick Film Resistors	Lambert Academic Publishing	Jul-2022	978-6204982656
<td colspan="6" align="center">**Department of EEE: 04**   **(Books: 3 & Chapters: 1)**</td>
32.	**A.V. Ravikumar**	Basics of Number System	Lambert Academic Publishing	Jan-2023	978-620-5-64048-7

Books and Book Chapters: A.Y – 2022-23

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
33.	Dr. A. K. Srivastava Dr. M. Sudha Dr. V. P. Patil **Dr. A.V.G.A. Marthanda**	Internet of Things: A New Age Era of Technologies and Application	GCS Publishers India	June-2022	978-93-94304-12-3 **(Print Version)**
34.	Dr. K. R. Suja R. Meenakshi Reddy Dr. R. Premalatha **Dr. A.V.G.A. Marthanda**	Renewable Energy Sources	GCS Publishers India	Aug-2022	978-93-94304-54-3 **(Print Version)**
35.	Veeresh Rampur, Y. Prasanna Kumar, Santanu Das, Shahanawaj Ahamad, **G. Nageswara Rao**, Sushma Jaiswal and Ankur Gupta	**Book**: An Interdisciplinary Approach in The Post-Covid-19 Pandemic Era **Chapter 8**: Detection and Analysis of Mental Stress in Online Learning Using IoT Devices	Nova Science Publishers, Inc	Sep-2022	979-8-88697-185-9 **(Print Version)**
	Department of ME: 09		**(Books: 01 & Chapters: 08)**		
36.	**Murahari Kolli,** J. Paulo Davim	**Book**: Waste Residue Composites	Walter de Gruyter GmbH & Co KG, Germany	Mar-2023	978-3-11-076640-0
37.	Pranta Barua, **V.Dhana Rau**, Manzoore Elahi M.Sodagar, Nazia Hossain	**Book**: Novel Feedstocks for Biofuels Production **Part of the Book series:** Clean Energy Production Technologies (CEPT) Animal Fat-Derived Biodiesel and Nano-Technology Applications	Springer, Singapore	Oct-2022	978-981-19-3581-7
38.	**Seelam Pichi Reddy**, PV Chandrasekhara Rao, A. Nageswar Rao	**Book:** Waste Residue Composites	Walter de Gruyter	Apr-2023	978-3-11-076652-3

Books and Book Chapters: A.Y – 2022-23

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
		Chapter 5.2: Effect of ball milling on compacting characteristics of Al-10% Al_2O_3-fly ash composites	GmbH & Co KG, Germany		
39.	**Murahari Kolli**, Krishna Kishore Mugada, Adepu Kumar, Sunkara Gopi Rakesh	**Book**: Waste Residue Composites **Chapter 1:** Next-generation waste residue composite materials	Walter de Gruyter GmbH & Co KG, Germany	Apr-2023	9783110766523
40.	Sai Naresh Dasari, **Murahari Kolli**	**Book**: Waste Residue Composites **Chapter 5.1:**Performance of economical aluminum MMC reinforced with welding slag particles produced using solid-state liquid metallurgical stir casting	Walter de Gruyter GmbH & Co KG, Germany	Apr-2023	9783110766523
41.	**Murahari Kolli**, Krishna Kishore Mugada, N. Jaya Prakash	**Book**: Waste Residue Composites **Chapter 8:** Applications of green waste composite	Walter de Gruyter GmbH & Co KG, Germany	Apr-2023	9783110766523
42.	**V. Dhana Raju**, Harish Venu., Jayashri N Nair, **M.B.S. Sreekar Reddy** and **J. Subba Reddy**.	**Book**: Nanotechnology for Advanced Biofuels: Fundamentals and Applications, A Volume in Micro and Nano Technology **Chapter 10:**CNTs based nano-fuels: Performance, combustion and emission characteristics	Elsevier Science Direct	Mar-2023	978-0-323-91759-9

Books and Book Chapters: A.Y – 2022-23

SI.	Authors	Title of the Book/Chapter	Publisher	Published Month & Year	ISBN
43.	Jayashri N.Nair, Y.V.V. Satyanarayana Murthy, **V. Dhana Raju** and V. Sivaramakrishna.	**Book**: Nanotechnology for Advanced Biofuels: Fundamentals and Applications, A Volume in Micro and Nano Technology **Chapter 8:**Ultrasonic dispersion of algae oil blends on diesel engine	Elsevier Science Direct	Mar-2023	978-0-323-91759-9
44.	Sai Naresh Dasari, **Sankararao Vinjavarapu**, Murali Mohan Cheepu	**Book**: Waste Residue Composites **Chapter 4.2:**Effect of reinforcement particle size on LM-13-snail shell ash–SiC hybrid metal matrix composite	Walter de Gruyter GmbH & Co KG, Germany	Apr-2023	9783110766523

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