



NEW HORIZON COLLEGE OF ENGINEERING

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BOOK CHAPTERS PUBLISHED BY FACULTY MEMBERS

Sl. No	Chapter Title	Author/s	Author Details		Year of Publication	Dept	Publisher
1	<u>A Healthcare Revolution in cross domain applications using advanced computational techniques</u>	Mr. Ajay Sudhir Bale			2024	ECE	Nova Science Publishers, Inc.
2	<u>Augmented reality in cross – domain application</u>	Mr. Ajay Sudhir Bale			2023	ECE	Boston : De Gruyter,

3	Autonomous Aerial Robots application for Crop Survey and Mapping Chapter No. 7	Mr. Ajay Sudhir Bale	 Mr. Ajay Sudhir Bale Assistant Professor		2024	ECE	CRC Press
4	Bi-directional DC-DC Converters and Energy storage systems of DVR – An Analysis	Mrs. Anitha A Dr. Nisha K C R	 Mrs. Anitha A Sr. Assistant Professor	 Dr. Nisha K C R Professor	10.03.2023	EEE	Springer Nature
5	Organ procurement and transplantation network using IoT and Blockchain	Dr. V. Asha	 Dr.V. Asha Professor & HOD		2023	MCA	CRC Press

6	Introduction to AI Technique and Analysis of Time Series Data Using Facebook Prophet Model Chapter. 9	Dr. S. Sivaramakrishnan	 Dr. S. Sivaramakrishnan Associate Professor		2023	ISE	Scrivener Publishing ILC
7	Eye – Bsed Cursor Control and Eye Coding Using Hog Algorithms and Neurak Network Chapter. 11	Dr. S. Sivaramakrishnan	 Dr. S. Sivaramakrishnan Associate Professor		2023	ISE	Scrivener Publishing ILC
8	Advances in Transdisciplinary Engineering series Volume - 32 Conference Proceedings	Mrs. Pramilarani K	 Mrs. Pramilarani K Sr. Assistant Professor		12.01.2023	CSE	IOS Press

9	<p>Using Map reduce and time series analysis of defend against DDoS Attacks</p> <p>Conference Proceedings</p>	Mrs. Pramilarani K	 <p>Mrs. Pramilarani K Sr. Assistant Professor</p>		12.01.2023	CSE	IOS Press
10	<p>Advances in Transdisciplinary Engineering series Volume - 32</p> <p>Recent development in Electronics & communication systems</p> <p>Conference Proceedings</p>	Ms. Suganya R	 <p>Ms. Suganya R Sr. Assistant Professor</p>		12.01.2023	CSE	IOS Press
11	<p>Smart weed Detection: An Real – Time Weed Detection for Onion Plantation</p> <p>Conference Proceedings</p>	Ms. Suganya R	 <p>Ms. Suganya R Sr. Assistant Professor</p>		2023	CSE	IOS Press

<p>12</p>	<p><u>Deep Learning for Emotion Recognition</u></p> <p>Handbook of Research on Computer vision & image processing in the Deep Learning Era</p> <p>Chapter - 5</p>	<p>Dr. T Kavitha</p>	 <p>Dr. T. Kavitha Professor</p>		<p>2022</p>	<p>CE</p>	<p>Business Science Reference</p>
<p>13</p>	<p><u>Network Intrusion Detection System in Latest DFA Compression Methods for Deep Packet Scruting</u></p> <p>Design, Applications & Maintenance of cyber physicl systems</p> <p>Chapter No. 10</p>	<p>Dr. Vinoth Kumar K</p>	 <p>Dr. Vinoth Kumar K Associate Professor</p>		<p>2021</p>	<p>EEE</p>	<p>IGI Global</p>
<p>14</p>	<p><u>Implementation of Savonius Blad Wind Tree Structure by Super Lift Luo Converter for Smart Grid Applications and Benefits to Smart City</u></p> <p>Smart Grids for Smart cities</p> <p>Chapter No. 8</p>	<p>Dr. Vinoth Kumar K</p>	 <p>Dr. Vinoth Kumar K Associate Professor</p>		<p>05.07.2023</p>	<p>EEE</p>	<p>Scrivener Publishing Wiley</p>

15	<u>Fog Computing – Based Framework and Solutions for Intelligent systems: Enabling Autonomy in Vehicles</u> Chapter No. 17	Dr. M Dhanalakshmi	 Dr. M Dhanalakshmi Professor		2024	CSE	IGI Global
16	<u>Machine Learning – Integrated sustainable engineering and energy systems: Innovations at the Nexus</u> Chapter No. 4	Dr. M Dhanalakshmi	 Dr. M Dhanalakshmi Professor		2024	CSE	IGI Global
17	Advanced computing & Intelligent technologies <u>Feature Selection Using Chi-Squared Feature-Class Association Model for Fake Profile Detection in Online Social Networks</u> Chapter	Dr.B. Meenakshi Sundaram	 Dr.B. Meenakshi Sundaram Associate Professor		20224	CSE	Springer Nature

18	<p><u>The Impact of Big Data in Smart Cities:Current Research concepts and Future Perspectives</u></p> <p>Chapter No. 10</p>	Mrs. Rajashree	 <p>Rajashree Sr. Assistant Professor</p>		2024	AIML	Nova Science Publisher
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20	<p>Advanced in Academic research and Development</p> <p><u>Load Frequency Control of Two Area Interconnected Power System</u></p> <p>Chapter</p>	Dr. V Agalya	 <p>Dr. V Agalya Associate Head R & D</p>		2024	EEE	Integrated Publicationa

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22	<u>NMRA-Facilitated Optimized Deep Learning Framework: A Case Study on IoT-Enabled Waste Management in Smart Cities</u> Chapter No. 10	Rakesh C	 Rakesh C Sr. Associate Professor & HOD Incharge		2024	ME	IGI Goblal
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26	Fall Support Assistant Application	Dr. Sivaramakrishna S	 Dr. Sivaramakrishna S Associat Professor		2024	ISE	Springer Nature

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30	<u>Utilization of Various Graphene- FET Sensors and Their Recent Developments</u> Chapter No. 23	Dr. Sreejith S	 Dr. Sreejith S Associate Professor		2024	AIML	Springer Nature
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32	<u>Advanced Sensing Systems in Automobiles: Computational Intelligence Approach</u> Chapter -14	Ms. Mamta B. Savadatti Mr. Ajay Sudhir Bale	 Ms. Mamta B Savadatti Sr. Assistant Professor	 Mr. Ajay Sudhir Bale Assistant Professor	2024	ECE	Scrivener Publishing LLC

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39	FT-IR, UR, NMR, Spectral Examinations report of 2- (2,4-Difluorophenyl) – 1, 3- Bis-	Dr. Rohini B	 <p>Dr. Rohini B Sr. Assistant Professor</p>				
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