









# 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	<a href="#">A Healthcare Revolution in cross domain applications using advanced computational techniques</a>	Mr. Ajay Sudhir Bale			2024	ECE	Nova Science Publishers, Inc.
2	<a href="#">Augmented reality in cross – domain application</a>	Mr. Ajay Sudhir Bale			2023	ECE	Boston : De Gruyter,




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

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




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

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

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




18	<a href="#">The Impact of Big Data in Smart Cities:Current Research concepts and Future Perspectives</a>  Chapter No. 10	Mrs. Rajashree	 <b>Rajashree</b> Sr. Assistant Professor		2024	AIML	Nova Science Publisher
19	<a href="#">Accomplishing Low Power Consumption with TFET</a>  Chapter No. 31	Dr. Sreejith S	 <b>Dr. Sreejith S</b> Associate Professor		2024	AIML	Springer Nature
20	Advanced in Academic research and Development  <a href="#">Load Frequency Control of Two Area Interconnected Power System</a>  Chapter	Dr. V Agalya	 <b>Dr. V Agalya</b> Associate Head R & D		2024	EEE	Integrated Publicationa










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22	<a href="#">NMRA-Facilitated Optimized Deep Learning Framework: A Case Study on IoT-Enabled Waste Management in Smart Cities</a>  Chapter No. 10	Rakesh C	 <b>Rakesh C</b> Sr. Associate Professor & HOD Incharge		2024	ME	IGI Goblal
23	<a href="#">Detection of Pepper Plant leaf disease detection using Tom and Jerry Algorithm with MSTNet</a>  Chapter No. 8	Rakesh C	 <b>Rakesh C</b> Sr. Associate Professor & HOD Incharge		2024	ME	IGI Goblal









24	<a href="#">Utilization of Various Graphene-FET Sensors and Their Recent Developments</a>  Chapter No. 23	Dr. N V Uma Reddy	 <b>Dr. N V Uma Reddy</b> Professor & HOD		2024	AIML	Springer Nature
25	<a href="#">Operation and control of EV infrastructure for Microgrid</a>  Chapter No. 13	Dr. Gunapriya B	 <b>Dr. Gunapriya B</b> Associat Professor		2024	EEE	Scrivener Publishing LLC
26	<a href="#">Fall Support Assistant Application</a>	Dr. Sivaramakrishna S	 <b>Dr. Sivaramakrishna S</b> Associat Professor		2024	ISE	Springer Nature




27	<a href="#">The Role and Impact of Federal Learning in Digiatal Healthcare : A useful Survey</a>  Chapter No - 7	Rajasree R S	 <b>Rajasree R S</b> Sr. Assistant Professor		2022	AIML	IGI Global
28	<a href="#">Privacy- Preserving scheme for internet of things</a>  Chapter No - 10	Dr. Rose Kavitha	 <b>Dr. Rose Kavitha</b> Professor		2024	MBA	CRC Press
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30	<a href="#">Utilization of Various Graphene- FET Sensors and Their Recent Developments</a>  Chapter No. 23	Dr. Sreejith S	 <b>Dr. Sreejith S</b> Associate Professor		2024	AIML	Springer Nature
31	<a href="#">An Introduction to Forensic Electrochemistry</a>  Chapter - I	Dr. Ramachandra Naik	 <b>Dr. Ramachandra Naik</b> Sr. Assistant Professor		2024	Applied Science Physics	American Chemical Society
32	<a href="#">Advanced Sensing Systems in Automobiles: Computational Intelligence Approach</a>  Chapter -14	Ms. Mamta B. Savadatti Mr. Ajay Sudhir Bale	 <b>Ms. Mamta B Savadatti</b> Sr. Assistant Professor	 <b>Mr. Ajay Sudhir Bale</b> Assistant Professor	2024	ECE	Scrivener Publishing LLC




33	<a href="#"><u>Journey of Hyperautomation: the Pathway of today's Industries to next Generation Industries</u></a>  Chapter - 1	Dr. T Kavitha	 <b>Dr. T Kavitha</b> Professor		2024	CE	Scrivener Publishing LLC
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35	<a href="#"><u>Design and Optimization of Antennas with Improved ON-OFF Body Performance for Biomedical Applications</u></a>  Chapter No-08	Dr. Gurulakshmi A B	 <b>Dr. Gurulakshmi A B</b> Associate Professor		2024	ECE	Scrivener Publication 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><b>Dr. Rohini B</b> Sr. Assistant Professor</p>				
40	<a href="#">Racing against the machine: Data protection in the 6G era</a>  Chapter No - 12	Mr. Ajay Sudhir Bale	 <p><b>Mr. Ajay Sudhir Bale</b> Assistant Professor</p>		2024	ECE	CRC Press
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