



NEW HORIZON COLLEGE OF ENGINEERING

Library and Information Center

BOOKS PUBLISHED BY FACULTY MEMBERS

Sl. No	Title	Author/s	Author Details		Year of Publication	Dept	Publisher
1	<u>Management and Entrepreneurship</u>	Dr. Manjunatha Amit K G			2008	ME	GEMS
2	<u>Casting and Forging Technology</u>	Dr. Manjunatha Ramachandran S Ramesh S Dr. Prabhakar Kammar			2016	ME	Airwalk Pub, Chennai

3	<u>Professional Ethics in Engineering</u>	Dr. Manjunatha Chaitra S	 Dr. Manjunatha Principal		2016	ME	Charulatha Pub, Chennai
4	<u>Principles of Managements</u>	Dr. Manjunatha Gopalakrishanan K Ramachandran S	 Dr. Manjunatha Principal	 Gopalakrishnan K Professor and Dean	2016	ME	Airwalk Pub, Chennai
5	<u>Total Quality Management</u>	Dr. Manjunatha Gopalakrishanan K Ramachandran S	 Dr. Manjunatha Principal	 Gopalakrishnan K Professor and Dean	2016	ME	Airwalk Pub, Chennai
6	<u>Compendium of R and D Projects</u>	Gopalakrishnan K			2017	R&D	Airwalk Pub, Chennai

			 Gopalakrishnan K Professor and Dean				
7	<u>Manufacturing Technology - II</u>	Ramachandran S Dr. Ganesha Prasad M.S Ramesh S	 Dr. Ganesha Prasad M S Professor and Dean		2016	ME	Airwalk Pub, Chennai
8	<u>Design of Transmission System</u>	Dr. Ganesha Prasad MS Ramanamurthy E V V Ramachandran S	 Dr. Ganesha Prasad M S Professor and Dean		2016	ME	Airwalk Pub, Chennai

9	Data Warehousing and Data mining	Dr. Prashanth CSR Poonkuzhalli C Saravana Kumar C	 Dr. Prashanth C S R Dean-Academics		2015	CSE	Charulatha Pub, Chennai
10	Operating System	Dr. Prashanth CSR Manjula Devi R Krishnamurthy N Suganthe RC	 Dr. Prashanth C S R Dean-Academics		2016	CSE	Charulatha Pub, Chennai
11	Database Management System	Dr. Prashanth CSR Shankar R	 Dr. Prashanth C S R Dean-Academics		2016	CSE	Charulatha Pub, Chennai
12	Software Testing	Dr. Prashanth CSR Umamaheshwari S	 Dr. Prashanth C S R Dean-Academics		2016	CSE	Charulatha Pub, Chennai

13	Operating System Question Bank	Dr. Rajalakshmi B S Shanmuga Priya N Uma	 Dr. Rajalakshmi B Professor & HOD	 N Uma Sr. Assistant Professor  Shanmuga Priya Sr. Assistant Professor	2019	CSE	
14	E-Commerce	Dr. Sheelan Misra Thomas Sacraties V Mary Shyamala N	 Dr. Sheelan Misra Professor & HOD		2016	MBA	Charulatha Pub, Chennai
15	Advanced Mathematics	Dr. Srinivasa G	 Dr. Srinivasa G Professor & HOD		2016	BSH	MEDTECH

16	<u>Design of Machine Element</u>	Ramanamurthy E V V Ramchandran S Dr. Nagendra J	 Dr. Nagendra J Sr. Asst. Professor		2016	ME	Airwalk Pub, Chennai
17	<u>Digital Signal Processing</u>	Dr. Ishani Mishra Divya Sharma Parul Wadhwa Parepalli Rama	 Ishani Mishra Sr. Asst. Professor	 Divya Sharma Sr. Assistant Professor  Parepalli Rama Assistant Profesor	2018	ECE	Charulatha Pub
18	<u>Dynamics of Machinery</u>	Ramachandran S Trupthi P Wani	 Trupthi P Wani Sr. Asst. Professor		2016	ME	Airwalk Pub, Chennai

19	<u>Electrical Energy Generation Utilization and Conversation</u>	Dr. Mahesh K Ramanathan PS Saravanan V Mahonaran PS	 Dr. Mahesh K Professor		2016	EEE	Charulatha Pub, Chennai
20	<u>Engineering Economics and Financial Accounting</u>	Dr. Sainath. A R Sasikala Devi	 Dr. Sainath A R Professor		2015	MBA	Charulatha Pub, Chennai
21	<u>Engineering Graphics</u>	Ramachandran S Vijay B R	 Vijaya B R Asst. Professor		2016	ME	Airwalk Pub,
22	<u>Engineering Mathematics - I</u>	Dr. Srinivasa G			2017	BSH	Shihan International Pub

			 Dr. Srinivasa G Professor & HOD				
23	Engineering Mathematics - I	Dr. Gangadharaiah YH	 Dr. Gangadharaiah Y H Professor & HOD		2015	BSH	S N Pub B'lore
24	Engineering Mathematics - II	Dr. Gangadharaiah YH	 Dr. Gangadharaiah Y H Professor & HOD		2016	BSH	S N Pub B'lore
25	Engineering Mathematics - III	Gangadharaiah Y H			2017	BSH	S N Pub B'lore

			 Dr. Gangadharaiah Y H Professor & HOD				
26	<u>Engineering Metrology and Measurements</u>	Anderson A Ramachandran S Puneeth H V	 Puneeth H V Assistant Professor		2016	ME	Airwalk Pub, Chennai
27	<u>Engineering Thermodynamics</u>	Ramachandran S Anderson A Rakesh C	 Rakesh C Assistant Professor		2016	ME	Airwalk Pub, Chennai

28	<u>Environment Science and Engineering</u>	Abbas Mohaideen Ramachandran S Priyanka Sairam	 Priyanka Sairam Assistant Professor		2016	ME	Airwalk Pub, Chennai
29	<u>Fluid Mechanics and Machinery</u>	Ramachandran Saikrishnan Reagon Ronald R	 Reagon Ronald R Assistant Professor		2016	ME	Airwalk Pub, Chennai
30	<u>Gas Dynamics and Jet Propulsion</u>	Anderson A Ramachandran S Rajesh A	 Rajesh A Assistant Professor		2016	ME	Airwalk Pub, Chennai
31	<u>Hadoop Practice Guide</u>	Jisha Mariam Jose	 Jisha Mariam Jose Asst. Professor		2019	CSE	Notionpress

32	Heat and Mass Transfer	Ramachandra S Anderson A Senthil Kumar RaviKumar M	 RaviKumar M Sr. Asst. Professor		2016	ME	Airwalk Pub, Chennai
33	High Speed Network	Dr. Chinnaiyan, R Sudha Sridhar	 Dr. R Chinnaiyan Associate Professor		2016	MCA	Charulatha Pub, Chennai
34	Kinematics of Machinery	Ramachandra S Dr. Srinath M K	 Dr. Srinath M K Associate Professor		2016	ME	Airwalk Pub, Chennai
35	Kinematics of Machines	Dr. Srinath M K	 Dr. Srinath M K Associate Professor		2017	ME	Skyward Pub

36	Mechanical Vibrations	Dr. Srinath M K	 Dr. Srinath M K Associate Professor		2015	ME	Sanguine Pub
37	Material Science and Metallurgy	Dr. Prabhakar Kammar Ramachandran S	 Dr. Prabhakar Kammar Associate Professor		2016	ME	Airwalk Pub, Chennai
38	Machines for Manufacturing Technology	Ramachandra S Ramesh S Shivaprakash S	 Shivaprakash S Sr. Asst Professor		2016	ME	Airwalk Pub, Chennai
39	Mechanics of Materials	Ramachandran S Venkatasubramani R Vijay B R Dr. Nagendra J	 Dr. Nagendra J Sr. Asst. Professor		2016	ME	Airwalk Pub, Chennai

40	<u>Object Oriented Analysis and Design</u>	Dr. Chinnaiyan R Kanchana Devi N	 Dr. R Chinnaiyan Associate Professor		2015	MCA	Charulatha Pub, Chennai
41	<u>Power Plant Engineering</u>	Ramachandra S Kempuraju C R	 Mr. Kempuraju CR Asst. Professor		2016	ME	Airwalk Pub,
42	<u>Power System Analysis</u>	Dr. Mahesh K Nasar Ali Sankara Subramanian AI Udaya Kumar MD	 Mahesh K Professor		2016	EEE	Charulatha Pub, Chennai
43	<u>Software Engineering</u>	Dr. Chinnaiyan R Shankar R	 Dr. R Chinnaiyan Associate Professor		2015	MCA	Charulatha Pub, Chennai

44	<u>Software Project Management</u>	Dr. Ilango, V Dr. Chandramouli B	 Dr. V Ilango HOD & Professor		2016	MCA	Charulatha Pub, Chennai
45	<u>Software Quality Management</u>	Dr. Chinnaian R Chandramouli B Pradiba K P	 Dr. R Chinnaian Associate Professor		2016	MCA	Charulatha Pub, Chennai
46	<u>Thermal Engineering</u>	Ramachandran S Jayaprabkar Adrash B C Kiran Kumar K M			2016	ME	Airwalk Pub, Chennai
47	<u>User Interface Design</u>	Dr. Ilango. V Priya. M Vannanti	 Dr. V Ilango HOD and Professor		2016	MCA	Charulatha Pub, Chennai

48	<u>Model Based Design of Power Electronics</u>	Dr. K Vinoth Kumar S Suresh Kumar R Saravana	 Dr. Vinoth Kumar K Associate Professor		2020	EEE	LAP LAMBERT Academic Publishing, Mauritius
49	<u>Computer Networks - I</u>	Dr. R Jaya Dr. C S Pillai Dr. C Rajan	 Dr. Jaya R Sr. Assistant Professor		2017	CSE	BonFring Publication Tamilnadu
50	<u>Software Testing</u>	Dr. R Jaya Dr. C Rajan Dr. K Geetha	 Dr. Jaya R Sr. Assistant Professor		2018	CSE	BonFring Publication Tamilnadu
51	<u>Engineering Mechanics</u>	Dr. Ramachandra S Hanumanth Yaragudri Madhusudan K	 Hanumanth Yaragudri Sr. Asst. Professor		2016	ME	Airwalk Pub, Chennai

52	<u>C Programming for Problem Solving</u>	Guruprasad Nagraj	 N. Guruprasad Professor		2018	CSE	Himalaya Pub
53	<u>Basic Electrical and Electronic Engineering</u>	Dr. Mahesh K Sahithullah M	 Mahesh K Professor		2016	EEE	Charulatha Pub, Chennai
54	<u>Energy Efficient Novel Nano Gadolinium Aluminate</u>	Dr. Jisha P K Prashantha S C Ramachandra Naik	 Dr. Jisha P K Associate Professor	 Dr. Ramachandra Naik Assistant Professor	2019	AS	LAP LAMBERT Academic Publishing
55	<u>Human Resources Management</u>	Pavithra S	 Pavithra S Assistant Professor		2020	MBA	NHCE

56	<u>Management Accounting</u>	Jayashree N	 Jayashree N Assistant Professor		2020	MBA	NHCE
57	<u>Fundamentals of Cyber Security and Cyber Law</u>	Dr.A.P Nirmala Dr.V. Asha	 Dr.A.P Nirmala Associate Professor	 Dr.V. Asha Professor & HOD	2020	MCA	NHCE
58	<u>Database Management System Volume-I</u>	Kavitha S N S P Sreeja	 Kavitha S N Assistant Professor	 S P Sreeja Sr. Asst Professor	2020	MCA	NHCE
59	<u>System Simulation Volume-I</u>	S P Sreeja Kavitha S N	 S P Sreeja Sr. Assistant Professor	 Kavitha S N Assistant Professor	2020	MCA	NHCE

60	<u>Operating System Essentials</u>	Dr.V.Asha Dr.A.P Nirmala Dr.B. Meenakshi Sundaram Dr.K.G Madhwaraj	 Dr.V. Asha Professor & HOD  Dr.A.P Nirmala Associate Professor	 Dr.B. Meenakshi Sundaram Associate Professor  Dr.K.G Madhwaraj Professor	2020	MCA	NHCE
61	<u>Data structures using C</u>	Dr. J. Seetha Dr. Ravi Kumar Dr. R Uma mageswari Dr. S. P. Manikandan	 Dr. S. P. Manikandan Professor & HOD		2022	CE	Scientific International Publishing house
62	<u>Wireless Communication</u>	Dr. C.R. Rathish Dr. P. Sindhuja, K Dr. Karpagavadivu Dr. N.A. Natraj Dr. Amarjeet Singh	 Dr. C. R. Rathish Associate Professor	 Dr. Amarjeet Singh Professor & Dean	2021	CE	Charulatha Pub, Chennai

63	<u>Investigation on mobile communication technologies and impact of 5g in IOT and artificial intelligence</u>	Dr. C. R Rathish	 Dr. C. R. Rathish Associate Professor		1 st ed, 2021	CE	Charulatha Pub, Chennai
64	<u>Forensic Studies and Display Analysis: Combustion engineered nano zinc titanate for Latent finger prints and display devices</u>	Dr. Ramachandra Naik	 Dr. Ramachandra Naik Sr. Assistant Professor		2018	AS	LAP Lambert Academic Publishing
65	<u>Facile engineered nano zinc titanate: its spectroscopic properties for multifunctional applications</u>	K. M. Girish S. C. Prashanth Dr. Ramachandra Naik	 Dr. Ramachandra Naik Sr. Assistant Professor		2018	AS	LAP Lambert Academic Publishing
66	<u>PL analysis of RE3+ doped Mg2SiO4 nanophosphors for display devices</u>	Dr. Ramachandra Naik K. M. Girish S. C. Prashanth	 Dr. Ramachandra Naik Sr. Assistant Professor		2019	AS	LAP Lambert Academic Publishing

67	<u>PL and TL analysis of RE³⁺ doped Y2SiO5 nanophosphors for display devices</u>	Dr. K. Dhana Lakshmi A. Jagannatha Reddy	 Dr. K. Dhana Lakshmi Sr. Assistant Professor		2020	AS	LAP Lambert Academic Publishing
68	<u>Innovative engineering material</u>	Dr. Jisha P K Prashanth S. C Dr. Ramachandra Naik	 Dr.Jisha P K Associate Professor	 Dr. Ramachandra Naik Sr. Asst. Professor	2021	AS	LAP Lambert Academic Publishing
69	<u>Cloud computing: a Nutshell</u>	Dr.A.P Nirmala Dr.S. Mohan Kumar	 Dr.A.P Nirmala Associate Professor		2018	MCA	INSC Publishing House (IPH)
70	<u>Big Data Analytics for Business Intelligence Descriptive Case Studies on Smart Tourism In India (Chapter 4)</u>	Dr.B. Meenakshi Sundaram Dr.V. Asha	 Dr.B. Meenakshi Sundaram Associate Professor	 Dr.V. Asha Professor & HOD	2021	MCA	Shanlax Publications
71	<u>Operating systems</u>	Sunil Kumar M Govindaraj M			2017	MCA	Thakur Publications Bangalore

			 Govindaraj M Sr Assistant Professor				
72	<u>Block chain based system for human organ transplantation management (Chapter)</u>	Benita Jaison Dr. V. Asha	 Dr.V. Asha Professor & HOD		2020	MCA	Springer
73	<u>Mobile Application Development using Android</u>	Dr.K.Saravanan Dr. R J Anandhi and Dr. L Srinivasan	 Dr. Anandhi R J Professor & HOD	 Dr. Saravanan K Professor  Dr. Srinivasan L Sr. Asst Professor	2021	ISE	Walnut Publication

74	<u>Cloud Computing Technologies for Smart Agriculture and Healthcare (Book Chapter No. 7)</u>	Dr. Arvind Shivappa Kapse	 Dr. Arvind Kapse Professor		2021	ISE	CRC Press is an imprint of Taylor and Francis Group
75	<u>Data Structure and Algorithms implementation using C language</u>	Dr Mangayarkarasi Dr Kalaivani D Mrs J Karthiyayini	 Dr. Mangayarkarasi Associate Professor  Dr. Kalaivani D Associate Professor	 Mrs. J Karthiyayini Associate Professor	2021	ISE	Walnut Publication
76	<u>Mobile Application Development with simple exercises</u>	Dr. Divya K V Dr. Thirukumaran Dr. Anthoniraj	 Dr. Divya K V Sr. Asst Professor		2021	ISE	Walnut Publication

77	<u>Image processing</u>	Dr. Rajesh G Dr. Sandeep Bhat Dr. B. Saroja Mr. Durga Prasad Tumula	 Dr. Rajesh G Associate Professor		2022	ECE	GCS Publishers India
78	<u>Basic Electrical and Electronics Engineering</u>	Dr. Vinoth Kumar K Dr. Saravanakumar R Dr. Jegathesan V Dr. Kowsalya M Dr. Mahesh M	 Dr. Vinoth Kumar K Associate Professor	 Dr. Mahesh M Professor & HOD	2022	EEE	Wiley Publication New Delhi
79	<u>Virtual reality: the incredible technology</u>	Binju Saju Dr. V Asha	 Binju Saju Sr. Asst Professor	 Dr.V. Asha Professor & HOD	2022	MCA	Notion Press
80	<u>Digital image processing: improment of pictorial information for human interpretation</u>	Mr. Mahesh K Prof. Binju Saju	 Mahesh K Lab Instructor	 Binju Saju Sr. Asst Professor	2022	MCA	Notion Press

81	<u>Cracking the operating system skills</u>	Dr. V Asha	 Dr.V. Asha Professor & HOD		2022	MCA	Notion Press
82	<u>Insight to web programming: an effortless approach</u>	Mr. Vishwanatha C R Dr. V Asha Ms. Binju Saju	 Dr. Vishwanatha C R Sr. Asst Professor	 Dr.V. Asha Professor & HOD  Binju Saju Sr. Asst Professor	2022	MCA	Notion Press
83	<u>Object oriented programming concepts using C++</u>	Ms. S P Sreeja Dr. V Asha	 Ms. S P Sreeja Sr.Assistant Professor	 Dr.V. Asha Professor & HOD	2022	MCA	Notion Press

84	<u>Core java concepts</u>	Mr. Govindaraj M Dr. V Asha	 Mr. Govindaraj M Sr. Asst Professor	 Dr.V. Asha Professor & HOD	2022	MCA	Notion Press
85	<u>Essentials of system software</u>	Dr. A P Nirmala Dr. V Asha Dr. Arpana Prasad Dr. B Nithya Ramesh	 Dr.A.P Nirmala Associate Professor  Dr.V. Asha Professor & HOD	 Dr.Arpana Prasad Associate Professor  Dr B Nithya Ramesh Associate Professor	2022	MCA	Notion Press

86	Artificial intelligence	Dr. N V Uma Reddy Prof. Sonia Maria D'Souza Mr. Arun Kumar S Dr P Bindhu Madhavi	 Dr. N V Uma Reddy Professor & HOD	 Prof. Sonia Maria D'Souza Sr. Asst Professor	2023	AIML	Scientific International Publicshing House
87	Digiatl Signal Processing	Mrs. Ishani Mishra Mrs. Amarjeeet Pal Cheema Mrs. Ishita Deb	 Mrs. Ishani Mishra Sr. Asst. Professor  Mrs. Amarjeeet Pal Cheema Sr. Asst. Professor	 Mrs. Ishita Deb Sr. Asst. Professor	July 2023	ECE	Charulatha Publications Chennai

88	<u>Entrepreneurship and Legal Aspects</u>	Dr. Priyameet Kaur Keer Dr. Tajas B Vyas	 Dr. Priyameet Kaur Keer Associate Professor		2 nd Edition 2022	MBA	Thakur Pub, Bengaluru
89	<u>Java Programming for Absolute Beginners</u>	Mrs. J. Karthiyayini Mrs. M. S Shoba Dr. Divya K. V	 Mrs. J Karthiyayini Associate Professor  Mrs. M. S Shoba Sr. Asst. Professor	 Dr. Divya K V Sr. Asst Professor	2023	ISE	Walnut publication

90	<u>Networks and Security</u>	Dr. B.V. Santhosh Krishna T. Gnanasekaran R. Jyothi Chitra	 Dr. B V Santhosh Krishna Associate Professor		2023	CSE	ARS Publications
91	<u>Computer Networks</u>	Dr. B.V. Santhosh Krishna, Dr. C. Raja, Dr. G. Sethuram Rao	 Dr. B V Santhosh Krishna Associate Professor		2023	CSE	ARS Publications
92	<u>Wireless Communication</u>	Dr. Ashok K Dr. Santhosh Krishna B V Dr. Neethu P S	 Dr. Ashok K Associate Professor	 Dr. Santhosh B V Krishna Associate Professor	2023	CSE	ARS Publications

93	Deep Learning	Vignesh M Saranya S Prabhu K Senthil Prabhu S	 Saranya S Assistant Professor		2023	CSE	AASAN Publications
94	Learn Python: The Easy way	Dr. Srinivasan L Dr. Saravanan K Dr. Kalaivani D	 Dr. Srinivasan L Associate Professor  Dr. Saravanan K Professor	 Dr. Kalaivani D Associate Professor	2022	ISE	Walnut Publication.c om

95	<u>Advanced Java for Practitioners</u>	Dr. Vandana C. P Dr. Baswaraju Swathi			2023	ISE	Walnut Publication.c om
			Dr. Vandana C. P Sr. Asst. Professor	Dr. Baswaraju Swathi Sr. Asst. Professor			
96	<u>Advanced Java Programming for Enterprise Building</u>	Dr. Baswaraju Swathi Dr. Vandana C. P			2023	ISE	Walnut Publication.c om
			Dr. Baswaraju Swathi Sr. Asst. Professor	Dr. Vandana C. P Sr. Asst. Professor			
97	<u>Internet of Things: Programming for Beginners</u>	Dr. Vandana C. P Dr. Baswaraju Swathi Dr. Chitti T. N			2023	ISE	Walnut Publication.c om
			Dr. Vandana C. P Sr. Asst. Professor	Dr. Chitti T. N Sr. Asst. Professor			

			 Dr. Baswaraju Swathi Sr. Asst. Professor				
98	Data Base Management System	Mr. Om Prakash Singh Ms. Shubhi Srivastava Dr. Lakshmi P Dr. Srdhaiah Merikapudi	 Ms. Shubhi Srivastava Assistant Professor		2024	ISE	Scientific International Publishing House
99	Machine Learning for Beginners	Dr. Pal Pandian P Dr. Sowmya H K Dr. Ivan Sunit Rout Dr. S. Rekha	 Dr. Sowmya H K Sr. Assistant Professor		2023	AIML	Scientific International Publishing House

100	<u>Fundamentals of Data Communication</u>	Dr. S. Jayakumar Dr. Sonia Maria D'Souza Dr. Rajendiran M Dr. Vallikannu Alagappan	 Dr. Sonia Maria D'Souza Sr. Asst Professor		2024	AIML	Scientific International Publishing House
101	<u>Computer Newtworks and Security</u>	Dr. P Sathyaraj Dr. Murali Mohan Vutukuru Dr. M Dhanalakshmi Dr. Gandhi Satyanarayana	 Dr. M Dhanalakshmi Professor		2024	CSE	Scientific International Publishing House
102	<u>Cyber Security</u>	Aurangieb Khan Dr. M T Vasumathi B. Siva Sakthi Dr. Murugan	 Dr. M T Vasumathi Associate Professor		2024	MCA	Sunstar Publication Bangalore

103	Cloud Computing	Dr. M T Vasumathi Dr. Sathish P Pavan P Kashyap Aurangjeb Khan Dr. Murugan	 Dr. M T Vasumathi Associate Professor		2024	MCA	Sunstar Publication Bangalore
104	Statistical Computing and R Programming	Aurangjeb Khan Umadevi Ramamoorthy Sukanya N S Dr. Murugan K	 Sukanya N S Sr. Asst Professor		2024	MCA	Sunstar Publication Bangalore
105	Empirical software engineering for beginners	Dr. Thomas Robinson Dr. Resmi V Dr. Kolli Veena Mr. P Muthamil Selvan Mr. P Sathish Dr. M Dhanalakshmi	 Dr. M Dhanalakshmi Professor		2024	CSE	PKS Publication

106	<u>Engineering Chemistry</u>	Mrs. K Subashini Mr. Ram Kumar Dr. S Alwin David Mr. R Emelda	 Subashini K Sr. Asst. Professor		2024	Applied Science	Deccan International Academic Publishers
107	<u>Production Engineering</u>	Dr. Nayeemuddin Dr. Nagaraja K C Mohd Hamid Hussain Shiva Prakash S	 Shiva Prakash S Sr. Asst. Professor		2024	ME	REST Publisher
108	<u>Python programming: A practical Approach</u>	Dr. M Nirmala Krishvaveni A Rama Bansidhar Dan Bibiana Jenifer J	 Dr. M Nirmala Associate Professor	 Rama Bansidhar Dan Assistant Professor	2024	ISE	Scientific International Publishing House

			 Krishnaveni A Assistant Professor	 Bibiana Jenifer J Assistant Professor			
109	C# and .NET	Dr. J Maruthupandi Dr. G Vijayasekaran Dr. Sonali Jagadish Mahure	 Dr. J Maruthupandi Associate Professor  Dr. G Vijayasekaran Associate Professor	 Dr. Sonali Mahure Associate Professor	2024	CSE	Blue Duck Publications

110	<u>Software Engineering and Project Management</u>	Dr. Saravanan K Dr. Kalaivani D	 Dr. Saravanan K Professor	 Dr. Kalaivani D Associate Professor	2024	ISE	Walnut Publication
111	<u>Data Structures</u>	Ms. A. Santhil Anandhi Dr. Deepak Gupta Dr. K kalaiselvi Prashanth Agrawal	 Ms. A Senthil Anandhi Sr. Assistant Professor		2024	CSE	Deccan International Academic Publishers
112	<u>Business Intelligence</u>	Dr. M Gurusamy Dr. R Venkataraman Dr. D Krishna Kumar Prof. Archana N	 Dr. D Krishna Kumar Associate Professor		2023	MBA	Sri Bhavani Publications

113	<u>Managing Digital Business</u>	Dr. Rose Kavitha	 Dr. Rose Kavitha Professor		2024	MBA	Taran Publication
114	<u>Introduction to IOT</u>	Dr. Sujith S Dr. Neethu P S Salna Joy	 Salna Joy Assistant Professor		2024	ECE	Lailani Katie Publisher
115	<u>Basic of thermal Engineering</u>	Dr. Krishna Kumar Gupta Dr. Sudarchan T A Dr. K G Nithesh Mr. Sumit Subhash Kalmegh	 Dr. Sudarshan T A Sr. Assistant Professor		2024	ME	REST Publisher India

116	<u>Industrial Engineering</u>	Dr. Veeresha G Dr. Nagabhushana Pulla Dr. Mahantesh S Matur Dr. Shanthala Kollur	 Dr. Veeresha G Assistant Professor		2024	ME	REST Publisher India
117	<u>Algorithms</u>	Dr. G. Vijayasekaran Dr. S. Rajalakshmi Dr. Uma Patel Ms. Aparna Chinnaraj	 Dr. G Vijayasekaran Associate Professor		2024	CSE	Deccan International Academic Publishers
118	<u>Web Technology</u>	Dr. Sridhar G M Mrs. Sathya J Dr. Jayalaksshmi S	 Mrs. Sathya J Sr. Assistant Professor		2024	MCA	AN Publication Tiruvallur

119	Advanced nanomaterials for energy storage device	Dr. Ramachandra Naik K. M. Girish S. C. Prashanth	 Dr. Ramachandra Naik Sr. Assistant Professor		2024	AS	Springer
120	Cyber security	Dr. Santhosh Kumar B Mr. Mohammd Rahmat Ali Mr. Chanda Jagan Sekar M Prof. Raghavendra L	 Dr. Santhosh Kumar B Sr. Assistant Professor		2024	CSE	Scientific International Publishing House
121	Computer Vision	Mr. Sharanabasappa Raikoti Dr. J Vellingiri Dr. Arun Leena Rose P J Dr. Amit Vajpayee Dr. S Venkatakiran Dr. M Dhanalakshmi	 Dr. M Dhanalakshmi Professor		2024	CSE	PKS Publication

122	<u>The Architecture of Computer Networks</u>	Mr. Narender Chinthan Dr. Anusha Sowbaraika Mr. Ubaid UI Mannan Mohammed Dr. V Vennila Mr. Abdul Janaid Mohammed Dr. M Dhanalakshmi	 Dr. M Dhanalakshmi Professor		2024	CSE	NTL Publication
123	<u>No SQL database</u>	Ms. Subhashree Rath Mrs. B Sai Manogna Dr. B Jothi Dr. Ashok Kumar P S	 Ms. Subhashree Roth Sr. Assistant Professor		2025	CSE	Scientific International Publishing House
124	<u>Operating systems</u>	Dr. Arpana Prasad Dr. V Asha Prof. Diksha Dr. M T Vasumathi Dr. Nithya B Prof. Sathya J Dr. Aruna Akula Mr. Kiran Kumar M N	 Dr. Arpana Prasad Associate Professor	 Dr.V. Asha Professor & HOD	2025	MCA	Sunstar Publisher

125	<u>Object oriented programming using Java</u>	Mrs. Sathya J Dr. Priya Thomas Govindaraj M Dr, V Asha Dr. Mithili Devi Dr. M T Vasumathi Ms. Aruna Akula Mr. Kiran Kumar M N	 Mrs. Sathya J Sr. Assistant Professor  Dr. Priya Thomas Sr. Assistant Professor	 Dr.V. Asha Professor & HOD  Dr. N Mithili Devi Associate Professor	2025	MCA	Sunstar Publisher Bangalore
			 Mr. Govindaraj M Sr. Assistant Professor	 Dr. M T Vasumathi Associate Professor			

126	<u>Statistical computing and R programming</u>	Mr. Aurangjeb Khan Dr. M. T. Vasumathi Dr. Umadevi Ramamoorthy Mrs. N. S. Sukanya Dr. Murugan K	 Dr. M T Vasumathi Associate Professor	 Sukanya N S Sr. Asst Professor	2025	MCA	Sunstar Publisher Bangalore
127	<u>Guardians of the NET: A comprehensive guide to cyber security</u>	Mrs. S M Bairavi Mrs. Rekha S Mrs. Abidha T E Mrs. Sandyarani Vadlamudi Mrs. Madhusmita Mishra	 Mrs. Sandyarani V Sr. Assistant Professor		2024	AIML	Prime International Publication
128	<u>Robotics, Automation and AI Technologies</u>	Mr. Sathiyaraj Chinnasamy Dr. P K Chidambaram Dr. Sydhir Chaurey Dr. Veerasha G	 Dr. Veerasha G Sr. Assistant Professor		2024	ME	REST Publisher

129	<u>Python essentials unlocking power of code</u>	Prof. Nithin K Achmelwar Mrs. Poornima E Gundgurti Dr. Nagabhushan N Dr. Geetha K	 Dr. Nagabhushana N Sr. Assistant Professor		2024	ME	REST Publisher
130	<u>Computer Network Security</u>	Dr. M Nirmala Dr. Piruthiviraj P Dr. Sivakumar V	 Dr. M. Nirmala Associate Professor		2025	CSE	Bluepen International Publisher
131	<u>Artificial Nueral Networks and Deep Learning</u>	Dr. Sahana Lokesh R Mrs. Supriya S. Nalawade Dr. Sowmya H K Dr. Sasanko Sekhar Gantayat	 Dr. Soumya H K Associate Professor		AIML	2024	Scientific International Publishing House

132	<u>Cloud computing in smart energy meter management</u>	Dr Senbagavalli M Dr. T Kavitha Dr. N Amuthan Dr. Ferdin Joe John Joseph	 Dr. T Kavitha Professor		CSE	2025	Scrivener Publishing Wiley
133	<u>Secure communication in Internet of things</u>	Dr. T Kavitha M K Sandhya V J Subashini Prasidh Srikanth	 Dr. T Kavitha Professor		CSE	2025	CRC press
134	<u>Mastering Design thinking : Tools, Techniques and Real – World Applications</u>	Dr. R V Dhanalakshmi Ms. M S Kokila Dr. Richa Tiwari Ms. B Sireesh	 Dr. R V Dhanalakshmi Associate Professor		MBA	2025	Shanlax Publications

135	Engineering Mechanics	Dr.S, Senthil Babu Dr. G Yuvaraj Dr. Pruthvi H M Dr. Jayasheel Kumar K A	 Dr. Jayasheel Kumar K A Sr. Assistant Professor		ME	2025	Deccan International Academic Publishers
136	Artificial Intelligence and Machine Learning	Dr. B. Gunapriya Mr. Prabhu D Mrs. Kande Archana Dr. T. Jaya	 Dr. B. Gunapriya Associate Professor		ECE	2025	Indo-Continental Academic Publishers
137	Embedded Systems and IOT	Dr. B. Gunapriya Dr. Ravi Kumar M Dr. S. Rajeshkannana Dr. M. Meena	 Dr. B. Gunapriya Associate Professor		ECE	2025	Indo-Continental Academic Publishers

138	<u>Python for Data Science</u>	Prof. Mihir Rajyaguru Dr. Revathi R Dr. Ishani Mishra	 Dr. Ishani Mishra Sr. Asst. Professor		ECE	2025	Bluepen International Publisher
139	<u>Natural Language Processing</u>	Mr. Parimal Kumar K R Mr. Sudheer Nidamanuri Dr. Monika Gupta	 Dr. Monika Gupta Sr. Asst. Professor		ECE	2025	Bluepen International Publisher
140	<u>AC Machines for Industrial Applications</u>	Dr. Karthika M Dr. Ramkumar S Dr. Nammalvar P Dr. Vinoth Kumar K	 Dr. Karthika M Associate Professor	 Dr. Vinoth Kumar K Associate Head in Dept. of R&D	EEE	2025	AN Publications

141	<u>Machine Learning for absolute Beginners</u>	Dr. Radha C Ms. Vidhya Venkatesh Ms. A Kalaivani	 Ms A Kalaivani Sr. Asst. Professor		MCA	2025	AN Publications
142	<u>HR Analytics : Data driven decision making in Human Resources</u>	Dr. Rose Kavitha Dr. Sathya Priya T Dr. Shivani Nigam Dr. R Muthukrishnan	 Dr. Rose Kavitha HOD & Professor		MBA	2025	Book Bytes International Publication
143	<u>Mastering Cybersecurity with Python</u>	Mr. Laxman B E Ms. Radhika Sreedharan Dr. Kalaivani D Dr. Srinivasan T	 Dr. Kalaivani D Associate Professor		ISE	2025	Clever Fax Publication

144	<u>Graphical programming Language for Core Engineering Concepts</u>	Dr. Abhinandan Shirahatti Dr. Madhusudhan M V Dr. Ramesh Medar Mr. Shankar Rana Dr. Sanjeev P Kaulgud	 Dr. Sanjeev B Kaulgud Associate Professor		AIML	2025	AN Publication
145	<u>Simulating in Power Electronics Circuits using MATLAB</u>	Ms. Anitha A Dr. Hannah Jessie Rani R Dr. Jebarani Evangeline S Dr. Vinoth Kumar K	 Mrs. Anitha A Sr. Assistant Professor	 Dr. Vinoth Kumar Associate Head in Dept. of R&D	EEE	2025	AN Publication



NEW HORIZON COLLEGE OF ENGINEERING

Library and Information Center

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	<u>Autonomous Aerial Robots application for Crop Survey and Mapping</u> Chapter No. 7	Mr. Ajay Sudhir Bale	 Mr. Ajay Sudhir Bale Assistant Professor		2024	ECE	CRC Press
4	<u>Bi-directional DC-DC Converters and Energy storage systems of DVR – An Analysis</u>	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	<u>Organ procurement and transplantation network using IoT and Blockchain</u>	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 – Based Cursor Control and Eye Coding Using Hog Algorithms and Neural 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	Using Map reduce and time series analysis of defend against DDoS Attacks Conference Proceedings	Mrs. Pramilarani K	 Mrs. Pramilarani K Sr. Assistant Professor		12.01.2023	CSE	IOS Press
10	Advances in Transdisciplinary Engineering series Volume - 32 Recent development in Electronics & communication systems Conference Proceedings	Ms. Suganya R	 Ms. Suganya R Sr. Assistant Professor		12.01.2023	CSE	IOS Press
11	Smart weed Detection: An Real – Time Weed Detection for Onion Plantation Conference Proceedings	Ms. Suganya R	 Ms. Suganya R Sr. Assistant Professor		2023	CSE	IOS Press

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

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

21	Role of Nanofluid in Heat Exchanger A Comprehensive Review Chapter No. 3	Dr. Gopal K	 Dr. Gopal K Associate Professor		2024	ME	
22	NMRA-Facilitated Optimized Deep Learning Framework: A Case Study on IoT-Enabled Waste Management in Smart Cities Chapter No. 10	Rakesh C	 Rakesh C Sr. Associate Professor & HOD Incharge		2024	ME	IGI Goblal
23	Detection of Pepper Plant leaf disease detection using Tom and Jerry Algorithm with MSTNet Chapter No. 8	Rakesh C	 Rakesh C Sr. Associate Professor & HOD Incharge		2024	ME	IGI Goblal

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

27	The Role and Impact of Federal Learning in Digital Healthcare : A useful Survey Chapter No - 7	Mrs. Rajasree R S	 Mrs. Rajasree R S Sr. Assistant Professor		2022	AIML	IGI Global
28	Privacy- Preserving scheme for internet of things Chapter No - 10	Dr. Rose Kavitha	 Dr. Rose Kavitha Professor		2024	MBA	CRC Press
29	Comparative study of Solar and Geothermal Renewable Energy Resources for Desalination of Seawater with Latest case studies	Mr. Sujeeth Swami	 Mr. Sujeeth Swami Assistant Professor		2023	ME	Springer

30	Utilization of Various Graphene- FET Sensors and Their Recent Developments Chapter No. 23	Dr. Sreejith S	 Dr. Sreejith S Associate Professor		2024	AIML	Springer Nature
31	An Introduction to Forensic Electrochemistry Chapter - I	Dr. Ramachandra Naik	 Dr. Ramachandra Naik Sr. Assistant Professor		2024	Applied Science Physics	American Chemical Society
32	Advanced Sensing Systems in Automobiles: Computational Intelligence Approach 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
33	Journey of Hyperautomation: the Pathway of	Dr. T Kavitha			2024	CE	Scrivener Publishing LLC

	today's Industries to next Generation Industries Chapter - 1		 Dr. T Kavitha Professor				
34	Computational Intelligence and Blockchain in Diversified Applications	Supriya B Rao	 Supriya B Rao Assistant Professor		2024	AIML	CRC Press
35	Design and Optimization of Antennas with Improved ON-OFF Body Performance for Biomedical Applications Chapter No-08	Dr. Gurulakshmi A B	 Dr. Gurulakshmi A B Associate Professor		2024	ECE	Scrivener Publication LLC

36	<u>Machine learning / deep learning use cases in education</u> Chapter No- 05	Sukanya N. S	 Sukanya N S Sr. Asst Professor		2024	MCA	CRC Press
37	<u>Hybrid Approaches: Combining Deep Reinforcement learning with other techniques</u> Chapter No- 13	Dr. M T Vasumathi	 Dr. M T Vasumathi Associate Professor		2024	MCA	Scrivener Publishing LLC
38	<u>Artificial intelligence for smart manufacturing using digital twin technology</u> Chapter No- 07	Dr. M T Vasumathi	 Dr. M T Vasumathi Associate Professor		2024	MCA	CRC Press

39	FT-IR, UR, NMR, Spectral Examinations report of 2- (2,4-Difluorophenyl) – 1, 3- Bis-	Dr. Rohini B	 Dr. Rohini B Sr. Assistant Professor				
40	Racing against the machine: Data protection in the 6G era Chapter No - 12	Mr. Ajay Sudhir Bale	 Mr. Ajay Sudhir Bale Assistant Professor		2024	ECE	CRC Press
41	Advances in Space Radiation Detection: Novel Nanomaterials and Techniques	Dr. Ramachandra Naik H. P. Nagaswarupa B. H. M. Daruksha D. M. Tejashwini	 Dr. Ramachandra Naik Sr. Assistant Professor		2024	Applied Science	Springer

42	Cloud computing in smart energy meter management Fundamentals of Smart Meter Chapter No. 1	Dr. T Kavitha	 Dr. T. Kavitha Professor		2025	CSE	Wiley Publication
43	Malicious Anomaly Detection and Prediction Using Prophet Luminol and RNN Utilizing AI in Network and Mobile Security for threat Detection and Prevention Chapter - 5	Ms. Suganya R	 M. Suganya R Associate Professor		2025	Data Science	IGI Global Scientific Publishing
44	Inflow and Infiltration water problem detection Using Machine Learning	Dr. D Roja Ramani	 Dr. D Roja Ramani Associate Professor		2025	CSE	Springer Nature

45	Remote monitoring advancements: A new approach to Biodiversity Conservation Chapter - 4	Dr. D Roja Ramani	 Dr. D Roja Ramani Associate Professor		2025	CSE	Springer Nature
46	Deep bidirectional LSTM for Emotion Detection through Mobile Sensor Analysis Chapter - 10	Dr. D Roja Ramani	 Dr. D Roja Ramani Associate Professor		2025	CSE	Springer Nature
47	Optimizing Almond and Walnut Farming: A U –Net-Powered Deep Learning Approach for Energy Efficiency Prediction and Damage Assessment Chapter - 13	Dr. D Roja Ramani	 Dr. D Roja Ramani Associate Professor		2025	CSE	Springer Nature

48	Smart Environmental Monitoring Systems: IoT and Sensor-Based Advancements Chapter - 3	Dr. D Roja Ramani	 Dr. D Roja Ramani Associate Professor		2025	CSE	Springer Nature
49	Cryptography and Blockchain: Building blocks of Secure Decentralisation Chapter – 9	Ms. Shashikala K S	 Ms. Shashikala K. S Sr. Assistant Professor		2025	AIML	
50	Ultrafine Grain Refinement and Improved Mechanical strength of Compositionally Modified AZ 61 Alloy Composite Chapter – 9	Dr. Piyush Kumar Soni	 Dr. Piyush Kumar Soni Professor & Associate Head-Consultancy		2025	ME	IGI Global Scientific

51	G A Optimization for Performance and Emission Characteristics of SI Engine via Ethanol Gasoline Blend Chapter – 13	Dr. Piyush Kumar Soni	 Dr. Piyush Kumar Soni Professor & Associate Head-Consultancy		2025	ME	IGI Global Scientific
52	Overview of Current AI Technologies in Education Chapter – 01	Mr. Rajat B Hubballi	 Mr. Rajat B Hubballi Assistant Professor		2025	MBA	IGI Globle Scientific Publishing
53	A study on AI tools that Can Generate software source code Chapter - 05	Dr C R Rathish	 Dr. C. R. Rathish Associate Professor		2025	CSE –II	IGI Global Scientific Publishing

54	Harnessing AI for Scalable and Adaptive Cloud – Native Applications Chapter - 11	Dr C R Rathish	 Dr. C. R. Rathish Associate Professor		2025	CSE –II	IGI Global Scientific Publishing
55	Handbook of Carbon Sensors: Understanding and Applications Carbon sensing platforms for the detection of heavy metals Chapter No - 3	Dr. Ramachandra Naik	 Dr. Ramachandra Naik Sr. Assistant Professor		2025	AS	CRC Press
56	5G Speeds for Metaverse healthcare Promises and Challenges Chapter No – 16 Innovation and Accountability: An Ethical perspective on Metaverse healthcare	Ms. Mamta B.	 Ms. Mamta B Savadatti Sr. Assistant Professor		2025	ECE	Scrivener Publishing LLC

57	<u>Innovation and Accountability, in Metaverse Technologies, Security and Applications for Healthcare</u> Chapter No - 3	Mr. Ajay Sudhir Bale	 Mr. Ajay Sudhir Bale Assistant Professor		2025	ECE	Scrivener Publishing LLC
----	--	----------------------	---	--	------	-----	--------------------------

