

# New Horizon College of Engineering

## Department of Electrical and Electronics Engineering

### Books/ Book Chapter Publications

Sl. No.	Name of the faculty	Title of the book	Title of the chapters published	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
1	Dr. Gunapriya B	Developments Towards Next Generation Intelligent Systems for Sustainable Development	NMRA-facilitated optimized deep learning framework: A case study on IoT-enabled waste management in smart cities	2024	979-836935645-6, 979-836935643-2	IGI Global
2	Dr. Anusuya V S Dr. Gunapriya B	Advanced Intelligence Systems and Innovation in Entrepreneurship	A smart innovative pre-trained model-based QDM for weed detection in soybean fields	2024	9798369307908, 9798369371596, 9798369307915	IGI Global
3	Dr. Gunapriya B	Machine Learning Techniques and Industry Applications	Detection of Pepper Plant Leaf Disease Detection Using Tom and Jerry Algorithm With MSTNet	2024	979-836935273-1, 979-836935271-7	IGI Global
4	Dr. Gunapriya B	Microgrids for Commercial Systems	Operation and Control of EV Infrastructure for Microgrid	2024	978-139416731-9, 978-139416630-5	Wiley
5	Dr. Vinoth Kumar K	Smart Grids for Smart Cities	Implementation of Savonius Blad Wind Tree Structure by Super Lift Luo Converter for Smart Grid Applications and Benefits to Smart City	2023	978-111987210-8, 978-111987207-8	Wiley
6	Ms. Anitha A	Advances in Cognitive Science and Communications	Bi-directional DC-DC Converters and Energy Storage Systems of DVR—An Analysis	2023	978-981-19-8086-2	Springer
7	Dr. Vinoth Kumar K	Handbook of Research on Evolving Designs and Innovation in ICT and Intelligent Systems for Real-World Applications	Intelligent Systems in Latest DFA Compression Methods for DPC	2022	9781799897958	IGI Global
8	Dr. Mahesh M Dr. Vinoth Kumar K	Smart Buildings Digitalization IoT and Energy Efficient Smart Buildings Architecture and Applications	Enabling Technologies for Smart Buildings High Power Density Power Electronic Converters	2022	9781003201069	CRC Press,
9	Dr. Gunapriya B Dr. Singaravelan A Dr. Mahesh M	Artificial Intelligence and Internet of Things for Renewable Energy Systems	An IoT-based approach for efficient home automation	2022	9783110714043	De Gruyter
10	Dr. Vinoth Kumar K	Design, Applications, and Maintenance of Cyber-Physical Systems	Network intrusion detection system in latest DFA compression methods for deep packet scrutiny	2021	9781799867210	IGI Global
11	Dr. Vinoth Kumar K	EAI/Springer Innovations in Communication and Computing	Artificial Intelligence-Based Energy Management and Real-Time Optimization in Electric and Hybrid Electric Vehicles	2022	978-3-030-85423-2	Springer

12	Dr Singaravelan A Dr. Gunapriya B	Lecture Notes on Data Engineering and Communications Technologies	Sensorless Speed Control of BLDC Motor for EV Applications	2022	978-981-16-6604-9	Springer
13	Dr. Gunapriya B Dr. Sujitha S	Lecture Notes on Data Engineering and Communications Technologies	Smart Home Technologies Toward SMART (Specific, Measurable, Achievable, Realistic, and Timely) Outlook	2022	978-981-19-2068-4	Springer
14	Dr. Vinoth Kumar K	Model Based Design of Power Electronics Multi-Paradigm Numerical Computing	-	2020	978-620-2-68039-4	LAMBERT Academic Publishing Mauritius
15	Dr. Vinoth Kumar K Dr. Mahesh M	Basic Electrical and Electronics Engineering	-	2022	978-9354643194	Wiley Publishers, New Delhi