

Malla Reddy Engineering College for Women (Autonomous)

Department of EEE BOOK/BOOK CHAPTER Publications

Book publications:

2024-25:

S. No	Name of the Faculty	Title of the Book/Book Chapter	Book or Book Chapter	ISBN	Date of Publication
1	Dr. S Vijaya Madhavi	Power Electronics Simplified: Foundations and Applications	Book	978-93-48512-45-1	
2	Mr. V Brahmam Yadav	Power Electronics Simplified: Foundations and Applications	Book	978-93-48512-45-1	
3	Dr. A Ganga Dinesh Kumar	Critical Insights in Power System Protection and Control	Book	978-93-48512-56-7	
4	Mr. V Naresh	Critical Insights in Power System Protection and Control	Book	978-93-48512-56-7	
5	Dr. Madhusudhana Reddy	Control and Drive: Semiconductor Technologies for Electric Machines	Book	978-93-48512-94-9	
6	Mrs. TR Bhuvanewari	Control and Drive: Semiconductor Technologies for Electric Machines	Book	978-93-48512-94-9	
7	Dr. TSNG Sarada Devi	Understanding Power Systems: A Comprehensive Guide for Engineers	Book	978-93-48512-31-4	
8	Mrs. L Jayavani	Understanding Power Systems: A Comprehensive Guide for Engineers	Book	978-93-48512-31-4	
9	Dr. Rahul Wilson Kotla	Basic Electrical and Electronics: A Beginner's Guide to Circuits and Systems	Book	978-93-48512-16-1	
10	Mr. E Venkatesh	Basic Electrical and Electronics: A Beginner's Guide to Circuits and Systems	Book	978-93-48512-16-1	

2023-24:

S. No	Name of the Faculty	Title of the Book/Book Chapter	Book or Book Chapter	Publisher Name	ISBN	Date of Publication
1	Dr Bolla Madhusudhana Reddy	Modelling of Symmetrical 13 Level and Asymmetrical 31 Level Generalized Cascaded Multilevel Inverters	Book Chapter	Modern Approaches in Machine Learning and Cognitive Science: A Walkthrough. Studies in Computational Intelligence, vol 1117, Springer, Cham. https://doi.org/10.1007/978-3-031-43009-1_16	978-3-031-43009-1	14 January 2024
2	Dr. TSNG Sarada Devi	Special Hybrid Electric Vehicles	Book	Lap Lambert Academic Publishing	978-620-6-78138-7, 978-620-6-15409-9	12 Dec 2023

2022-23:

S. No	Name of the Faculty	Title of the Book/Book Chapter	Book or Book Chapter	Book Publication Details	ISBN	Date of Publication
1	Dr. S Vijaya Madhavi	Artificial Intelligence	Book	GCS Publishers India	978-93-94304-84-0	AUGUST, 2022
2	Dr. N Vengadachalam	Artificial Intelligence	Book	GCS Publishers India	978-93-94304-84-0	AUGUST, 2022
3	Dr. A Ganga Dinesh Kumar	Artificial Intelligence	Book	GCS Publishers India	978-93-94304-84-0	AUGUST, 2022

2021-22:

S. No	Name of the Faculty	Title of the Book/Book Chapter	Book or Book Chapter	Book Publication Details	ISBN	Date of Publication
1	Dr. A. Ganga Dinesh Kumar	Introduction to Internet of Things: A Theoretical Approach	Book	GCS Publishers India	978-93-94304-40-6	APRIL, 2022

[Home](#) > [Modern Approaches in Machine Learning and Cognitive Science: A Walkthrough](#) > Chapter

Modelling of Symmetrical 13 Level and Asymmetrical 31 Level Generalized Cascaded Multilevel Inverters

| Chapter | First Online: 14 January 2024

| pp 169–191 | [Cite this chapter](#)



[Modern Approaches in Machine Learning and Cognitive Science: A Walkthrough](#)

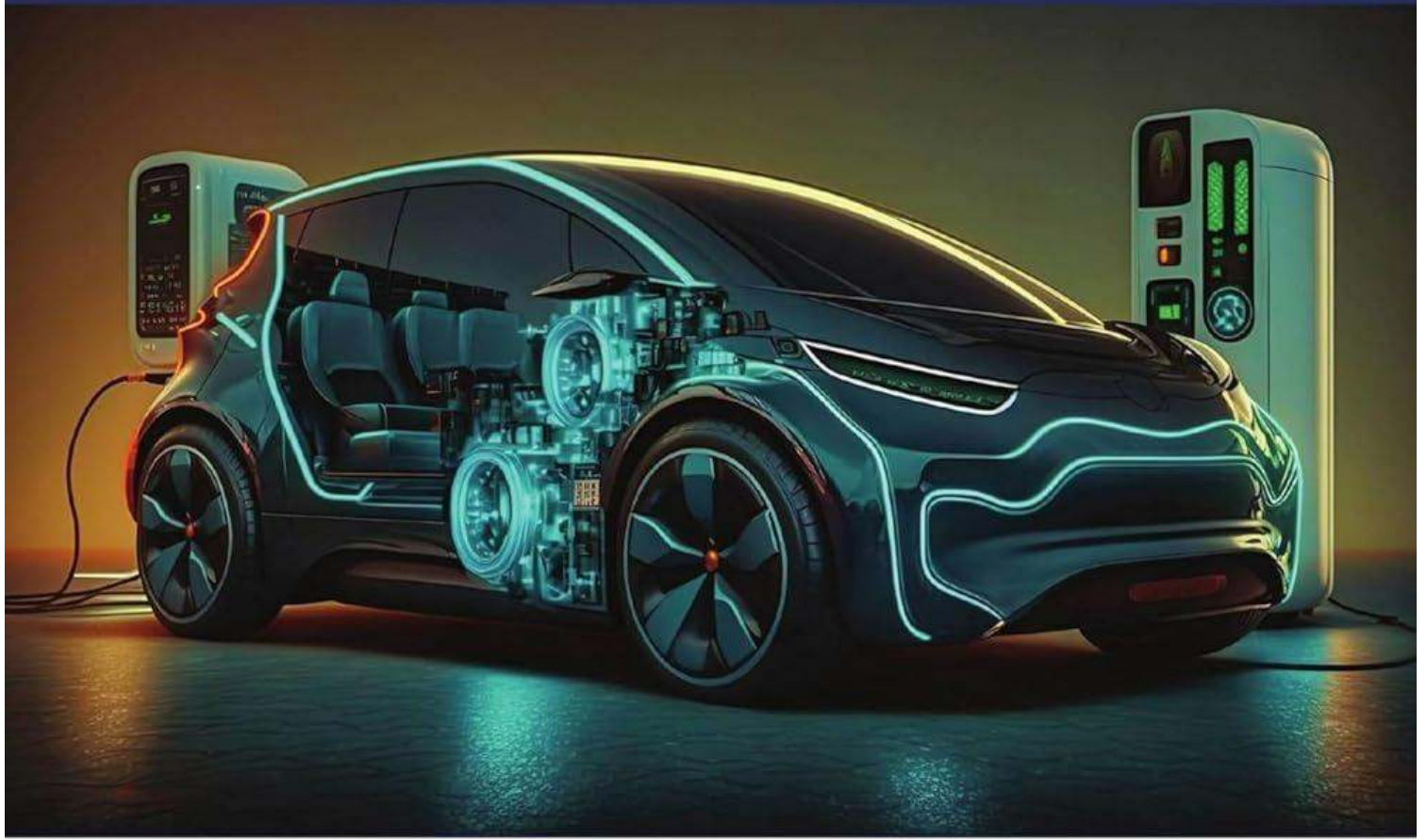
[Bolla Madhusudana Reddy](#) , [P. B. Chennaiah](#) & [J. Chinnababu](#)

 Part of the book series: [Studies in Computational Intelligence](#) ((SCI, volume 1117))

 285 Accesses

Abstract

Multi-Level Inverters (MLIs) are dealt with keen academic interest and purposeful industrial use for high-voltage applications, to meet large power demands and achieve quality output voltage. They find applications in conveyors, compressors, pumps, mills, fans, blowers, power systems, mine hoists, locomotives, and more. MLIs are crucial for the smooth operation of AC drives, UPS, railway steam locomotives, grid-connected



Dr. T. S. N. G. Sarada Devi
G. Jhansi Rani Jyothi Nemmadi
Jarapala Ramesh Babu

SPECIAL HYBRID ELECTRIC VEHICLES

Electric Vehicle

 **LAMBERT**
Academic Publishing

ARTIFICIAL INTELLIGENCE

Authors

Dr. A Ganga Dinesh Kumar

Professor, Department of EEE
Malla Reddy Engineering College for Women (Autonomous)
Maisammaguda, Dhulapally post, Secunderabad, Hyderabad- 500100.

Dr. N Vengadachalam

Associate Professor, Department of EEE
Malla Reddy Engineering College for Women (Autonomous)
Maisammaguda, Dhulapally post, Secunderabad, Hyderabad- 500100.

Dr. S Vijaya Madhavi

Associate Professor, Department of EEE
Malla Reddy Engineering College for Women (Autonomous)
Maisammaguda, Dhulapally post, Secunderabad, Hyderabad- 500100.

Dr.A.Giriprasad

Assistant professor, Department of EEE
VNRVJIEET, Vignana Jyothi Nagar, Pragathi Nagar,
Nizampet(S.O), Hyderabad-500 090

GCS PUBLISHERS

ISO 9001-2015 CERTIFIED

INDIA

Book Title	:ARTIFICIAL INTELLIGENCE
Authors	Dr.A Ganga Dinesh Kumar Dr.N Vengadachalam Dr.S Vijaya Madhavi Dr.A.Giriprasad
Book Subject	: ARTIFICIAL INTELLIGENCE
Book Category	: Authors Volume
Copy Right	: @ Authors
First Edition	: AUGUST , 2022
Book Size	: B5
Price	: Rs.999/-

Published by
GCS PUBLISHERS
India

*ISBN Supported by International ISBN Agency,
United House, North Road, London, N7 9DP, UK. Tel. + 44 207 503
6418 & Raja Ram Mohan Roy National Agency for ISBN
Government of India, Ministry of Human Resource
Development, Department of Higher Education, New Delhi –
110066 (India)*

ISBN: 978-93-94304-84-0



ARTIFICIAL INTELLIGENCE

Authors

Dr. A Ganga Dinesh Kumar

Professor, Department of EEE
Malla Reddy Engineering College for Women (Autonomous)
Maisammaguda, Dhulapally post, Secunderabad, Hyderabad- 500100.

Dr. N Vengadachalam

Associate Professor, Department of EEE
Malla Reddy Engineering College for Women (Autonomous)
Maisammaguda, Dhulapally post, Secunderabad, Hyderabad- 500100.

Dr. S Vijaya Madhavi

Associate Professor, Department of EEE
Malla Reddy Engineering College for Women (Autonomous)
Maisammaguda, Dhulapally post, Secunderabad, Hyderabad- 500100.

Dr.A.Giriprasad

Assistant professor, Department of EEE
VNRVJIEET, Vignana Jyothi Nagar, Pragathi Nagar,
Nizampet(S.O), Hyderabad-500 090

GCS PUBLISHERS

ISO 9001-2015 CERTIFIED

INDIA

Book Title	:ARTIFICIAL INTELLIGENCE
Authors	Dr.A Ganga Dinesh Kumar Dr.N Vengadachalam Dr.S Vijaya Madhavi Dr.A.Giriprasad
Book Subject	: ARTIFICIAL INTELLIGENCE
Book Category	: Authors Volume
Copy Right	: @ Authors
First Edition	: AUGUST , 2022
Book Size	: B5
Price	: Rs.999/-

Published by
GCS PUBLISHERS
India

*ISBN Supported by International ISBN Agency,
United House, North Road, London, N7 9DP, UK. Tel. + 44 207 503
6418 & Raja Ram Mohan Roy National Agency for ISBN
Government of India, Ministry of Human Resource
Development, Department of Higher Education, New Delhi –
110066 (India)*

ISBN: 978-93-94304-84-0



ARTIFICIAL INTELLIGENCE

Authors

Dr. A Ganga Dinesh Kumar

Professor, Department of EEE
Malla Reddy Engineering College for Women (Autonomous)
Maisammaguda, Dhulapally post, Secunderabad, Hyderabad- 500100.

Dr. N Vengadachalam

Associate Professor, Department of EEE
Malla Reddy Engineering College for Women (Autonomous)
Maisammaguda, Dhulapally post, Secunderabad, Hyderabad- 500100.

Dr. S Vijaya Madhavi

Associate Professor, Department of EEE
Malla Reddy Engineering College for Women (Autonomous)
Maisammaguda, Dhulapally post, Secunderabad, Hyderabad- 500100.

Dr.A.Giriprasad

Assistant professor, Department of EEE
VNRVJIEET, Vignana Jyothi Nagar, Pragathi Nagar,
Nizampet(S.O), Hyderabad-500 090

GCS PUBLISHERS

ISO 9001-2015 CERTIFIED

INDIA

Book Title	:ARTIFICIAL INTELLIGENCE
Authors	Dr.A Ganga Dinesh Kumar Dr.N Vengadachalam Dr.S Vijaya Madhavi Dr.A.Giriprasad
Book Subject	: ARTIFICIAL INTELLIGENCE
Book Category	: Authors Volume
Copy Right	: @ Authors
First Edition	: AUGUST , 2022
Book Size	: B5
Price	: Rs.999/-

Published by
GCS PUBLISHERS
India

*ISBN Supported by International ISBN Agency,
United House, North Road, London, N7 9DP, UK. Tel. + 44 207 503
6418 & Raja Ram Mohan Roy National Agency for ISBN
Government of India, Ministry of Human Resource
Development, Department of Higher Education, New Delhi –
110066 (India)*

ISBN: 978-93-94304-84-0



INTRODUCTION TO INTERNET OF THINGS: A THEORETICAL APPROACH

Authors

Prof. Dr. S. Raviraja, Ph.D, PDRF
University of Garden City, Khartoum, Sudan.
Founder Chairman & Principal Scientist,
Royal Research Foundation®, India.

Dr. A. Ganga Dinesh Kumar
Professor,
Department of Electrical & Electronics Engineering
Malla Reddy Engineering College for Women (Autonomous), Hyderabad, India.

Dr.Sreekumar Narayanan
Asst. Professor
Department of Network Infrastructure and Management,
Faculty of Engineering and Technology, Botho University, Gaborone, Botswana.

Dr. Syed Azahad
Associate Professor
Methodist College of Engineering and Technology, Hyderabad, India.

GCS PUBLISHERS

INDIA

Book Title : Introduction to Internet of Things: A Theoretical Approach
Authors : Prof. Dr. S. Raviraja
Dr. A. Ganga Dinesh Kumar
Dr.Sreekumar Narayanan
Dr. Syed Azahad
Book Subject : Introduction To Internet Of Things: A Theoretical Approach
ISBN : 978-93-94304-40-6
e-ISBN : 978-93-94304-41-3
Book Category : Authors Volume
Copy Right : © Authors
First Edition : APRIL , 2022
Book Size : B5
Price : Rs.999/-

Published by
GCS PUBLISHERS
India

*ISBN Supported by International ISBN Agency,
United House, North Road, London, N7 9DP, UK. Tel. + 44 207 503 6418 &
Raja Ram Mohan Roy National Agency for ISBN
Government of India, Ministry of Human Resource Development,
Department of Higher Education, New Delhi - 110066 (India)*

ISBN: 978-93-94304-40-6



e-ISBN: 978-93-94304-41-3

