



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC - Autonomous)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Research Publications 2021-2022

S.No	Faculty Name	Co-Author	Paper/Book title	Publisher	Impact Factor	DOI
1.	Dr. Pratap Ranjan Mohanty	Anup Kumar Panda	High Power Voltage Multiplier (VM) PFC Converter with Inherent ZCS Characteristics and High Step-Up Gain for Enhanced Low-Line Efficiency (Journal)	Journal of Electrical Engineering ISSN 1582-4594 - Vol 21 No 3 (2021)		http://www.jee.ro/index.php/jee/ino ISSN-1582-4594
2.	Dr. Arijit Bardhan Roy	Kalluri Vinay Kumar, Moumita Saha	Application And Utilization Of High Aspect Ratio Anti Reflective Si Nano Structure Embedded Optical Sensor For IoT Applications (Book Chapter)	Taylor and Francis		ISBN 9781032108544 August 11, 2022 Forthcoming by Chapman and Hall/CRC 280 Pages 217 B/W Illustrations https://www.routledge.com/Internet-of-Things-and-Data-Mining-for-Modern-Engineering-and-Healthcare/Bhattacharya-Roy-Sur-Mallik-Dasgupta/p/book/9781032108544
3.	Dr. Parth Sarathi Panigrahy	B. Sai Reddy, M. R. Harika	Development of fuel cell based energy systems for 3-ph power development & Internet of Things devices (Book Chapter)	Taylor and Francis		ISBN 9781032108544 August 11, 2022 Forthcoming by Chapman and Hall/CRC 280 Pages 217 B/W Illustrations



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4.	Dr. Aurobinda Bag	Bibhuti Bhushan Pati	Fuzzy Logic based IoT Technique for Direct Torque Control of Induction Motor Drive. (Book Chapter)	Taylor and Francis		ISBN 9781032108544 August 11, 2022 Forthcoming by Chapman and Hall/CRC 280 Pages 217 B/W Illustrations https://www.routledge.com/Internet-of-Things-and-Data-Mining-for-Modern-Engineering-and-Healthcare/Bhattacharya-Roy-Sur-Mallik-Dasgupta/p/book/9781032108544
5.	Dr. K Arul Kumar	Vaigundamoorthy M, N. Prabhakaran, U Subramaniam	Impact of the flipped classroom approach in engineering education: A course Analysis	Journal of Engineering Education Transformations (Scopus)	-	ISBN 23492473 April, 2022 Volume: 35, No. 4, Journal of Engineering Education Transformations https://journaleet.in/articles/impact-of-the-flipped-classroom-approach-in-engineering-education-a-course-analysisHealthcare/Bhattacharya-Roy-Sur-Mallik-Dasgupta/p/book/9781032108544
6.	Dr. V B Thurai Raaj	G Srinivasa Rao, K. Dinesh, A. Dumka, R. Singh M. Rashid, Yasser Albagory, Sultan S. Alshamrani	Dual Battery Storage Technique for Remote, Location-Based Solar PV System and Standalone Applications	Energies	3.25	https://doi.org/10.3390/en15082748



7.	Dr. Arijit Bardhan Roy	Sharmishtha Majumder, Mrinal Kanti Deb Barma, Ashim Saha, and A. B. Roy	Silent Listening to detect false data Injection Attack and Recognize the attacker in smart car platooning/ Studies in Computational Intelligence (Book Chapter)	Springer Nature Switzerland AG 2022		https://doi.org/10.1007/978-3-030-97113-7_9
8.	Dr. Arijit Bardhan Roy	Pritam Banerjee, Anupam Nandi, Sonali Das Avra Kundu, Susmita Mukherjee, Hiranmay Saha and Syed Minhaz Hossain	Light-trapping scheme using silica spheres on ultrathin c-silicon absorber: transition from antireflection coating to whispering gallery resonator	Applied Physics A (Springer)	2.5	https://doi.org/10.1007/s00339-022-05591-0
9.	Dr. A V Pavan Kumar	Balamurali Krishna P, Pampa Sinha, Manoj Kumar Maharana, Karthik Akkenaguntl	An Intelligent Fault Detection and Classification Scheme for Distribution Lines Using Machine Learning	Engineering, Technology & Applied Science Research		https://etasr.com/index.php/ETASR/article/download/5107/2814
10.	Dr. T. S. Balaji Damodhar	S. Priyadarshini, C.Kannan, S.Sivakumar	A review and generation of electricity from waste tyres by using pyrolysis technology	Global Journal of Engineering and Technology Advances		https://doi.org/10.30574/gjeta.2022.11.1.0064

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