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303	Dual Bridge DC-DC Converter using ZVS Fed by Current Karanam Deepak, U Chaithanya, Kanugula Nishitha, Pagidi Nithya Prakasha Vardhini, Thatikonda Yamuna, Shaik Masrathunisa	1934
304	Current Fed Dual Bridge DC to DC Converter for Electrical Vehicle Applications Karanam Deepak, U Chaithanya, Kanugula Nishitha, Pagidi Nithya Prakasha Vardhini, Thatikonda Yamuna, Shaik Masrathunisa	1939

305	A Novel Controllers for Direct Torque Control of Induction Motor S Sankara Prasad, D Vannurappa, Chidige Raviteja, Dudekula Moin Basha, Karapothula Pandu Ranga, Mala Dasari Raghunath	1944
306	Exploring the Challenge of Controller Placement in Software-Defined Networking: A Comprehensive Review Gunavathie M A, S. Jacophine Susmi, Sivasankari S S, M. Venkatesh	1950
307	Design-Thinking-Driven Variational Autoencoder for Human Activity Classification N. Selvakumar, D. Kalaivani , T. Vijayaraghavan	1956
308	Role of Dynamic Communication for IoT Devices Nitesh Gaikwad, Shiyamala. S	1965
309	Face Recognition using CNN and Amazon S3: An Expandable and Safe Integration for Various Uses Surya Pranav Varma Dasaraju, Dwaraka Sainath Bandaru, Akhil Ravella, E. Vamsidhar	1974
310	Implementing Ensemble Machine Learning Techniques for Fraud Detection in Blockchain Ecosystem Helen Josephine V L, Praveen Kumar T, Jusin Joy, Mansurali. A	1980
311	Analysis of Ectopic Pregnancy in First Trimester Fetal Ultrasound Images using Machine Learning Techniques Maheswari S, Bhuvaneshwaran A, Rajalakshmi J, Nivetha S B, Kishore R, Deepanjali S	1986
312	IoT based Smart Assistance for Visually Impaired using Raspberry Pi Kalathiripi Rambabu, Sanjay Dubey, Dindigala Arjun, Jennarapu Sathwik, Kodi Swastik	1994