

Paper publications:

2025-26 I Sem

1. **Dr.K.Satyanarayana** ,Venkatadurgaprasad Kante published a paper on **“Unified Power Quality Conditioner Based On FPGA Controller For Voltage Sag/Swell Mitigation”** on International Journal of Engineering Research and Science & Technology, ISSN: 2319-5991, Vol. 21, No. 4, 2025.
2. **Mr.Venkatadurgaprasad Kante** published a paper on **“An Enhanced Hybrid P&O–Anfis-Based Mpppt Control Strategy for Pv Systems Under Dynamic And Partial Shading Conditions”** on International Journal of Engineering Research and Science &Technology ISSN 2319-5991 www.ijerst.com, Vol. 21, No. 4, 2025.

2025-26 II Sem

1. **Dr.K.SATYANARAYANA** published paper entitled with, **“AN ADVANCED QUADRATIC BOOST CONVERTER FOR MAXIMIZING OUTPUT POWER FOR SOLAR APPLICATIONS”** in International journal of Marketing Managemengt (IJMM)Volume 19, Issue 1, 2025, ISSN 2454-9940.
2. **Dr.K. SATYANARAYANA** published paper entitled with **“OPTIMIZED TRANSFORMERLESS QUADRATIC BUCK BOOST CONVERTER WITH CONTINUOUS CURRENT FLOW AND FUZZY LOGIC BASED CONTROL STRATEGY”** in International journal of Marketing Managemengt (IJMM) Volume 13, Issue 1, 2025, ISSN 2321-2152.
3. **Dr.G.NARESH** published paper entitled with **“FUZZY LOGIC-BASED SENSORLESS SPEED CONTROL AND HARMONIC REDUCTIONIN SYN-REL MOTOR DRIVE FOR SOLARASSISTED ELECTRIC VEHICLES”** in International journal of Marketing Managemengt (IJMM) Volume 13, Issue 1, 2025
4. **Dr.G.NARESH** published paper entitled with **“SMART CHARGING SYSTEM FOR ELECTRIC VEHICLES USING A TRANSFORMERLESS BRIDGELESS CONVERTER”** in International journal of Marketing Managemengt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.
5. **Dr.G.NARESH** published paper entitled with **“ENERGY MANAGEMENT FOR BATTERY/SUPER CAPACITOR HYBRIDSYSTEMS USING A THREE-LAYER NEURAL NETWORK”** in International Journal of Engineerng Research and Science &Technology(IJERST), Vol.21,Issue 1,2025, ISSN 2319-5991.

6. **Mr. K.V DURGA PRASAD** published paper entitled with “ **PERFORMANCE EVALUATION OF MPPT TECHNIQUES FOR A FLEXIBLE ROOFTOP HALF-CUT PHOTOVOLTAIC WPT SYSTEM FOR IN-MOTION EV CHARGING**” in **International journal of Marketing Managemengt (IJMM)** Volume 19, Issue 1, 2025, ISSN 2454-9940.
7. **Mr. K. V. DURGA PRASAD** published paper entitled with “**ADVANCED POWER ROUTING AND CONTROL FOR PV-BATTERY SYSTEMS USING FUZZY LOGIC AND HIGH VOLTAGE RIDETHROUGH**” in **IRACST – International Journal of Computer Networks and Wireless Communications (IJCNWC)**, Vol.15, Issue No 1, 2025, ISSN: 2250-3501.
8. **Mr. K. V. DURGA PRASAD** published paper entitled with “**ADVANCED POWER ROUTING AND CONTROL FOR PV-BATTERY SYSTEMS USING FUZZY LOGIC AND HIGH VOLTAGE RIDETHROUGH**” in **International journal of Marketing Managemengt (IJMM)** Volume 19, Issue 1, 2025, ISSN 2454-9940.
9. **Mr.S.ASHOK REDDY** published paper entitled with “**HIGH CURRENT DENSITY DC-DC CONVERTER WITH MODIFIED FUZZY LOGIC CONTROL FOR EV CHARGING**” in **International Journal of Engineerng Research and Science &Technology(IJERST)**, Vol.21,Issue 1,2025, ISSN 2319-5991.
10. **Mr. S. ASHOK REDDY** published paper entitled with “**ADAPTIVE ENERGY MANAGEMENT AND RIPPLE REDUCTION FOR NON - LINEAR CONVERTERS USING DECOMPOSITION CONTROL AND BATTERY BACKUP**” in **International journal of Marketing Managemengt (IJMM)** Volume 13, Issue 1, 2025, ISSN 2321-2152.
11. **Mr.M.VEERA CHANDRA KUMAR** published paper entitled with “**MITIGATING HARMONIC DISTORTION IN A PV BASED EV CHARGING STATION VIA ANN**” in **International journal of Marketing Managemengt (IJMM)** Volume 19, Issue 1, 2025, ISSN 2454-9940.
12. **Mr. M. V. CHANDRA KUMAR** published paper entitled with “ **DESIGN AND IMPLEMENTATION OF A MULTIPOINT DCDC CONVERTER FOR SMART GRID APPLICATIONS**” in **International journal of Marketing Managemengt (IJMM)** Volume 19, Issue 1, 2025, ISSN 2454-9940.
13. **Mrs.G.DURGA DEVI** published paper entitled with “**PERFORMANCE ANALYSIS OF A PMSG-BASED WIND-SOLAR HYBRID SYSTEM WITH BATTERY STORAGE FOR CONTINUOUS LOAD SUPPLY**” in **International journal of Marketing Managemengt (IJMM)** Volume 19, Issue 1, 2025, ISSN 2454-9940.

14. **Mrs. CH.V.V. MANGA LAKSHMI** published paper entitled with “**AUTOMATIC LIGHTING SYSTEM FOR DAY AND NIGHT IN MUNICIPAL PARKS FED BY REVOLVING GATE MECHANISM POWER GENERATION**” in International journal of Marketing Managementt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.
15. **Mrs.CH.V.V.MANGA LAKSHMI** published paper entitled with “**31-LEVEL MULTILEVEL INVERTER TOPOLOGY FOR STAND-ALONE MICROGRID USING FUZZY LOGIC**” in International journal of Marketing Managementt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.
16. **Mrs. M. MANGA LAKSHMI** published paper entitled with “**ENHANCED SMART GRID STABILITY USING VIRTUAL SYNCHRONOUS GENERATOR WITH FUZZY LOGIC CONTROLLER**” in International journal of Marketing Managementt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.
17. **Mrs. V. R. SAI VALLI** published paper entitled with “**SOLAR-BASED ELECTRIC VEHICLE CHARGING SYSTEM WITH ARTIFICIAL NEURAL NETWORK CONTROLLER FOR BIDIRECTIONAL OPERATIONS G2V &V2G**” in International journal of Marketing Management (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.
18. **Ms. P. SANDHYA** published paper entitled with “**ENHANCED THREE-LEVEL CLLC RESONANT BIDIRECTIONAL DC–DC CONVERTER WITH FUZZY LOGIC CONTROL FOR EV CHARGING IN DC MICROGRIDS**” in International Journal of Engineering Research and Science &Technology(IJERST), Vol.21,Issue 1,2025, ISSN 2319-5991.
19. **Mr. D.PRAKASARAO** published paper entitled with “**A PV FED SINGLE STAGE NINE LEVEL BOOST INVERTER FOR GRID CONNECTED APPLICATIONS**” in IJASEM Volume 19, Issue 1, 2025, ISSN 2454-9940.
20. **Mr. D.PRAKASARAO** published paper entitled with “**NEW CONTROL STRATEGY BASED PV STATCOM FOR MITIGATION OF POWER OSCILATION DAMPING**” in International journal of Scientific Reaearch in Engineering and Management (IJSREM),Vol.09,Issue 06 June,2025,ISSN:2582-3930.
21. UGC Care.
22. **Mr.K.NAGAVARDHAN REDDY** published paper entitled with “**RELIABLE AND EFFICIENT SOLAR WATER PUMP WITH ADVANCED HYBRID BACKUP SYSTEM**” in International Journal of Engineerng Research and Science &Technology(IJERST), Vol.21,Issue 1,2025, ISSN 2319-5991.

23. **Ms.SWARNA BHARGAVI** published paper entitled with **“ENHANCING POWER QUALITY IN INDUSTRIAL AND COMMERCIAL SITES: A FUZZY LOGIC-BASED APPROACH TO MITIGATING POWER OSCILLATIONS”** in International journal of Marketing Managemengt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.
24. **Mr.M.VEERA BABU** published paper entitled with **“SOLAR HOME DUST COLLECTING ROBOT WITH VACUUM SYSTEM”** in International Journal of Engineerng Research and Science &Technology(IJERST), Vol.21,Issue 1,2025, ISSN 2319-5991.
25. **Ms. P. VARALAKSHMI** published paper entitled with **“DESIGN AND IMPLMENTATION OF PV GRID-SUPPORTED INVERTER WITH LVRT AND HVRT CAPABILITIES USING FEED FORWARD CONTROL STRATEGY”** in International journal of Marketing Managemengt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.
26. **Mr. S.NANI BABU** published paper entitled with **“ADVANCED FOUR QUADRANT CONTROL OF BLDC MOTOR FOR ELECTRIC VEHICLES USING FUZZY LOGIC”** in International journal of Marketing Managemengt (IJMM) Volume 13, Issue 1, 2025, ISSN 2321-2152.
27. **Mr.M.RAVI KUMAR** published paper entitled with **“MITIGATION GRID HARMONICS IN A DISTRIBUTED ENERGY RESOURCE BASED EV CHARGING STATION THROUGH ADVANCED CONTROL STRATERGY”** in International journal of Marketing Managemengt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.
28. **Mrs. M.CHANDINI** published paper entitled with **“EV2EV POWER LINK: SMART ONBOARD ENERGY TRANSFER”** in International journal of Marketing Managemengt (IJMM) Volume 13, Issue 1, 2025, ISSN 2321-2152.
29. **Mr. CH. NARESH** published paper entitled with **“FUZZY LOGIC-BASED SENSORLESS SPEED CONTROL AND HARMONIC REDUCTIONIN SYN-REL MOTOR DRIVE FOR SOLARASSISTED ELECTRIC VEHICLES”** in International journal of Marketing Managemengt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.
30. **Mrs. P. PUSHPA LATHA** published paper entitled with **“SMART CONTROL APPROACHES FOR ELECTRICAL VEHICLES CHARGING USING PV MULTI-MODE CONVERTER”** in International journal of Marketing Managemengt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.

31. Mr.V.GOPI published paper entitled with **“OPTIMIZED SOLAR POWER GENERATION WITH FUZZY LOGIC BASED POWER SMOOTHING”** in International journal of Marketing Managemengt (IJMM) Volume 19, Issue 1, 2025, ISSN 2454-9940.

32. Mrs.D. SANDHYA RANI published paper entitled with **“DEVELOPMENT AND IMPLEMENTATION OF A SINGLE INDUCTOR MULTI-PORT CONVERTER FOR EV APPLICATIONS WITH ACTIVE GRID PARTICIPATION AND NETWORK-DRIVEN HARMONIC SUPPRESSION”** in International journal of Marketing Managemengt (IJMM) Volume 13, Issue 1, 2025, ISSN 2321-2152.