



Department of Freshman Engineering

Faculty Profile

Name : Kuna Prashant
Designation : Associate Professor (EEE)
Qualification : M.E(PHD)
Total Experience : 19 years
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Membership : life member of ISTE



Publications:

- 1)" Three-phase unified power quality conditioner with minimum VA rating fed induction motor application" .IJSETR (ISSN 2319-8885) volume no.5,issue no.42
- 2)"Unified power quality conditioner based on superconducting magnetic energy storage" .IJATIR(ISSN 2348-2370)
- 3)" A 3-phase seven-level inverter for pv cell fed induction motor drive". IJSETR (ISSN 2319-8885) volume no.5,issue no.42
- 4)" power control in AC isolated microgrids using a fuzzy controller for improved performance". IJSETR (ISSN 2319-8885) volume no.5,issue no.42

5) "Power electronic transformer based on industrial drive application".(IJR)
ISSN:2348-6848 VOLUME -03,ISSUE -17

6)" Power quality improvement in grid-connected system with fuzzy logic
controller at distribution level". .(IJR) ISSN:2348-6848 VOLUME -03, ISSUE -17

7)"Modeling and simulation of a solar pv-wind hybrid system for induction motor
drive application". IJATIR(ISSN 2348-2370)

8)" Three-phase compact inverter with reduced harmonics for solar power
generation system". .IJSETR (ISSN 2319-8885) volume no.5,issue no.42

9)"PV system integrated with battery energy storage isolated DC-DC converters
based PSSM drive application". .(IJR) ISSN:2348-6848 VOLUME -03, ISSUE -17

10)" Reduced switch count multilevel inverter for renewable energy source
application". .IJSETR (ISSN 2319-8885) volume no.5,issue no.42

Participation in Workshops / Conferences:

1. Attended three days workshop on "PHOTO VOLTAIC CELLS" in osmania university

Faculty development programs attended:

1)1 Attended a one-week faculty development program on "ADVANCES IN POWER ELECTRONICS
AND DRIVES" at Osmania university