

DEPARTMENT OF EEE

Publication of Papers in Journals:

Table 5.7.1.1 Number of quality publications in Academic Year 2018-19

| S No | Date | Name | Title of the Paper | Details of the publications |
|------|-----------------------------|------------------------|--|--|
| 1 | 29 th April-2019 | Dr. Sayanti chatterjee | Estimation of nonlinear hybrid systems using 2 nd order Q-Adaptive central Difference Kalman filter | AJCT(accepted) on 29th April-2019 |
| | April-2019 | | Intend of hybrid circuit in wind power generation with DFIG for elevated power quality | IJITR vol-7, April-2019 |
| 2 | 2018 | Dr. K. Eswaramoorthy | An interleaved SEPIC converter connected multilevel inverter using fed isolated synchronous rectifier in plug in battery charge system | IEEE transaction on industrial electronics |
| | 2018 | | Control of three phase four wire asymmetrical fifteen level inverter using hybrid Bi- Tri dimensional space vector pulse width modulation. | Journal of electrical engineering vol-18 N0.4, 2018 |
| 3 | 2019 | Dr. M Ayyakrishnan | Improvement of Reliability performance under the effect of shunt compensation in power system Inter connected Network | Journal of Advanced Research in Dynamic and Control Systems (scopus) accepted-June 2019 |
| 4 | 2018 | | Wind power generation with transformer less operation with CSI in offshore condition | IJRECE VOL. 6 ISSUE 4 (OCTOBER- DECEMBER 2018) ISSN: 2348-2281 (ONLINE) |

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|--|-------------|---------------|--|--|
| | 2018 | L.Phani Kumar | Intend and Accomplishment of Flyback Converter for Diverse Type of Voltage Loads with High Efficiency | IJRECE VOL. 6 ISSUE 4 (OCTOBER- DECEMBER 2018) ISSN: 2393-9028 (PRINT) ISSN: 2348-2281 (ONLINE) |
|--|-------------|---------------|--|--|

Number of quality publications in Academic Year 2017-2018

Table 5.7.1.2 Number of quality publications in Academic Year 2017-2018

| S No | Date | Name | Title of the Paper | Details of the publications |
|----------|-------------------------|------------------|--|--|
| 1 | 16/03/2018 & 17/03/2018 | K. S. Deva Rani | Mitigation of Power Quality disturbances by using different wavelet Transforms | ICPEDES(conference) |
| | 2018 | | Increase the efficiency in wind turbine system by using DFIG | IJTRISSN: 2320 –5547 Volume No.5, Issue No.5, pages:7298-7300. |
| 2 | 16/03/2018 & 17/03/2018 | D. SreeValli | Mitigation of Power Quality disturbances by using different wavelet Transforms | ICPEDES(conference) |
| 3 | JANUARY 2018 | L.Phani Kumar | An enhanced power sharing scheme for voltage unbalance and harmonic compensation in an islanded ac Microgrid | IJIEMR Volume 07, Issue 01, Page No: 204 – 207. ISSN 2456 – 5083 |
| | October - November 2017 | | Practical Model On A Hybrid Series Active Power Compensator For Increase The Power Quality | (IJTR) International Journal OF Innovative Technology and RESEARCH Volume No.5, Issue No.6, October - November 2017, 7539-7542. |
| 4 | 2017 | B. Chandraiah | Design and Implementation of Multi-Input Transformer-Coupled Bidirectional DC-DC Converter with ANN Circuit | IJTR ISSN:2320 –5547 Volume 5 Issue No.6, Pages: 7546-7548. |
| 5 | 2017 | Y. Narasimha Rao | Integration of Solar And PV Battery With Advanced Control Strategy of a Three-Level NPC Inverter | IJRAET Volume 6 Issue No.2, Pages: 36-43 |

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|--|--|--|---|---|
| | | | A High efficiency resonant converter for wind power generation under rapidly changing environmental conditions | IJATES ISSN: 2348-7550 Volume 5 Issue No.4, Pages: 387-394 |
|--|--|--|---|---|

Number of quality publications in Academic Year 2016-2017

Table 5.7.1.3 Number of quality publications in Academic Year 2016-2017

| S No | Date | Name | Title of the Paper | Details of the publications |
|----------|-------------|------------------------|---|--|
| 1 | 2016 | Dr.N.Srinvasa Rao | Development Of Circuit For Standalone Solar PV Hybrid System | IJITR ISSN: 2320 –5547 Volume No.6, Issue No.1, Pages: 7825-7827 |
| | | | Intend And Functioning Of Dvr For Eradication Of Voltage Sag And VoltageSwell Exertions | IJPAM (scoups) ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version) Volume 118 No. 14, Pages: 661-665 |
| | | | A New Multifunctional Dvr For Compensation Of Voltage Sag | IJET (scoups) Volume 7(2.20) Pages: 389-393 |
| 2 | 2017 | B. Naresh | A grid tied SPV system with adaptive DC link voltage for CPI voltage variations using fuzzy logic control | IJITR ISSN: 2320 –5547 Volume No.5, Issue No.5, pages:7294-7297. |
| | 2017 | | Energy endorsement system increased for analyze in effort and component benefit in micro grid | IJITR ISSN: 2320 –5547 Volume No.6, Issue No.1, Pages:7819-7821. |
| | 2016 | | To eradicate the harmonics at Microgrid by using dual interfacing Circuit | IJITR ISSN: 2320 –5547 Volume No.5, Issue No.6 Pages:7593 -7595 |
| 3 | 2016 | G. Swetha Bindu | High Effectiveness Wind Power Generation By Using DFIG With SSFCL | IJITR ISSN: 2320 –5547 Volume No.5, Issue No.6, pages: 7588-7590. |

Papers published / Presented by PG students:

| Name of the Student and Class | Associated Faculty member | Presentation Details |
|-----------------------------------|---------------------------|--|
| D. Avinash & M.Tech(EPS) | Mr. B. Naresh | A grid tied SPV system with adaptive DC link voltage for CPI voltage variations using fuzzy logic control |
| B Naresh & M.Tech(EPS) | Mr. B. Naresh | To eradicate the harmonics at Micro grid by using dual interfacing Circuit |
| B. Srinivas & M.Tech(EPS) | Mrs. K. S Deva Rani | Increase the efficiency in wind turbine system by using DFIG |
| K. Rajesh & M.Tech(EPS) | Mr. B. Chandraiah | Design and Implementation of Multi-Input Transformer-Coupled Bidirectional DC-DC Converter with ANN Circuit |
| P. Rajesh & M.Tech(EPS) | Mrs. G. Swetha Bindu | High Effectiveness Wind Power Generation By Using DFIG With SSFCL |
| B. Bhargav Kumar & M.Tech(EPS) | Dr. N. Srinivasa Rao | Design and Implementation of high efficiency solar electric vehicle system by using SRM drives system |
| K. Arun Kumar Reddy & M.Tech(EPS) | Ms. P. Prasanna Kumari | Propose and accomplishment of soaring efficiency power by using brushless converter |
| K. Srikanth & M.Tech(EPS) | Mr. L. Phani Kumar | An Enhanced Power Sharing Scheme For Voltage Unbalance and Harmonic Compensation in an Islanded AC Micro grid. |
| R. Ramesh & M.Tech(EPS) | Mr. L. Phani Kumar | Practical Model On A Hybrid Series Active Power Compensator For Increase The Power Quality |
| A. Prajyusha & M.Tech(EPS) | Dr. N. Srinivasa Rao | Development Of Ultra-Capacitor Based DVR For Power Quality Improvement |
| V Chandra Kanth & M.Tech(EPS) | Dr. N. Srinivasa Rao | Development Of Circuit For Standalone Solar PV Hybrid System |
| G Bhavsingh & M.Tech(EPS) | Mr. B. Naresh | Energy endorsement system increased for analyze in effort and component benefit in micro grid |

Papers published / Presented by UG students:

BEST PROJECTS FOR CAYm1 (2017-18)

| BATCH | ROLL NUMBERS | NAME OF THE GUIDE | TITLE OF THE PROJECT | Publication/Achievement |
|-------|--------------|---------------------|--|---|
| 1 | 14X01A0202 | Mr.B.Chandraiah | Photovoltaic module Integrated stand-alone single stage switched capacity inverter with maximum power point tracking. | II Prize(Project expo in St. Peters Engineering College) |
| | 14X01A0204 | | | |
| | 14X01A0217 | | | |
| 2 | 14X01A0209 | Dr.Srinivasa Rao | An Induction generator based AC/DC Hybrid Electric power generation system for more Electric Aircraft (MEA) | Participated in Project Expo in Malla Reddy Institute |
| | 14X01A0213 | | | |
| | 14X01A0214 | | | |
| 3 | 15X05A0202 | Mr. Y.Narasimha Rao | The Solar LED street Light | I prize (Project Expo in Malla Reddy Institute of Engineering and Technology) |
| | 15X05A0206 | | | |
| | 15X05A0209 | | | |
| 4 | 15X05A0203 | Mr. B.Chandraiah | Flexible Power Electronic Transformer | Project expo in St. Peters Engineering College |
| | 15X05A0205 | | | |
| | 15X05A0212 | | | |

Best Projects for CAYm2 (2016-17)

| BATCH | ROLL NUMBERS | NAME OF THE GUIDE | TITLE OF THE PROJECT | Publication/Achievement |
|-------|--------------|-------------------|---|--|
| 1 | 13X01A0224 | Mrs. G.Suhasini | Five Level Inverter For Renewable Power Generation System | I prize (Project expo in St. Peters Engineering College) |
| | 13X01A0212 | | | |
| | 14X05A0204 | | | |

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|---|------------|---------------------------|---|--|
| 2 | 13X01A0220 | Mr. P.chaitanya Deepak | A Cascaded Multilevel Inverter Based On Capacitor- Switched For High Frequency Of Ac Power Distribution System | Participated in Project Expo in Malla Reddy Institute of Engineering and Technology |
| | 13X01A0222 | | | |
| | 13X01A0217 | | | |
| 3 | 13X01A0213 | Mrs.K.S.Deva Rani | Two Stage Solar Photovoltaic Based Stand Alone Scheme Having Battery As Energy Storage Element For Rural Development | II Prize (Project expo in St. Martins Engineering College) |
| | 14X05A0206 | | | |
| | 13X01A0210 | | | |
| | 13X01A0209 | | | |
| | 13X01A0227 | | | |
| 4 | 14X05A0203 | Mr.J.Ravi Kiran | A Novel High Step-Up Dc/Dc Converter Based On Integrating Coupled Inductor And Switched-Capacitor Techniques For Renewable Energy Applications | Participated In Project expo in St. Martins Engineering College |
| | 13X01A0219 | | | |
| | 13X01A0216 | | | |
| | 14X05A0205 | | | |
| | 13X01A0206 | | | |
| 5 | 13X01A0223 | Mr.Y.Narsimha Rao | Cascaded Two-Level Inverter- Based Multilevel STATCOM For High-Power Applications | Participated in Project Expo in Malla Reddy Institute of Engineering and Technology |
| | 14X05A0208 | | | |
| | 13X01A0226 | | | |