

## D. SWARUPA

### WORKSHOPS / FACULTY DEVELOPMENT PROGRAMS:

1. Completed Certification in NPTEL Course on “**Advances in UHV Transmission & Distribution**” and “**Introduction to Research**” as a part of Faculty Development Program as specified by AICTE.
2. Attended a three day workshop on “**Android Applications Design & Development**” (AADD-2019) in Andhra University from March 26<sup>th</sup> -28<sup>th</sup>, 2019.
3. Completed an UDEMY course on **Electrical control & Protection** .
4. Attended Five Day International Online Faculty Development Program on “**Recent Strategies on Micro and Smart Grid Technologies**” (RSMSTG - 2020) Organized by the Department of EEE.
5. Presented a paper at **NCECE-2020** organized by Dept of EEE A.U College of Engineering during 30<sup>th</sup> – 31<sup>st</sup> January 2020.
6. Attended five day STTP on Power systems and power electronics on green energy during 25<sup>th</sup> -29<sup>th</sup> sept 2021.

### PUBLICATIONS

- Published a paper on ‘**Modeling and Simulation of Micro Grid connected Renewable Energy Resources with MPPT Controller and by using SVPWM Technique**‘ in Volume 3, Issue1, January 2014 in IJERT Journal.
- Published a paper on “**Improvement of Power Quality Using Statcom Applied for F=Grid at Various Load Conditions**” in Volume 4, Issue 1, 2013 in IJPSOEM Journal
- Published a paper on **Design and Modeling of Vertical axis wind turbine and SolarPV Hybrid Power Generation System**” in volume 8 issue 11 Nov 2019 in IJERT journal.
- Published a paper on **An Unique Technique for Solar Wind Hybrid Power Generation System**” in volume 4 issue 10 oct 2019 in IJERT journal.
- Published a paper on **ULTRA-LOW POWER OPTIMIZATION FOR IOT BASED SYSTEMS** in Turkish journal of physiotherapy and Rehabilitation ISSN 2651-4451.

- Published a paper on **An innovation correlation of PV and Fuel cell Microgrid Power generating System.**

## PATENT

Patent name: **A smart and efficient setup to use solar energy for CCTV cameras**

Patent application No :202141000855

## E. SRI LATHA

### WORKSHOPS / FACULTY DEVELOPMENT PROGRAMS:

1. Completed a course on “**Orientation towards technical education and curriculum aspects**” of National Initiative for Technical Teacher Training from AICTE.
2. Attended a One week ATAL Online Advanced FDP on “**Cryptocurrency and Blockchain Technology**” from 30<sup>th</sup> August to 3<sup>rd</sup> September 2021.
3. Attended a One week ATAL Online Elementary FDP on “**Capacity Building**” from 13<sup>th</sup> to 17<sup>th</sup> September 2021.
4. Attended a One week ATAL Online Elementary FDP on “**Design and Recent Development in Renewable Energy Based Microgrid System**” from 25<sup>th</sup> to 29<sup>th</sup> October 2021.
5. Attended a Three Day Workshop on “**Android Applications Design and Development (AADD-2019)**” in A.U. College of Engineering (A) from March 26-28, 2019.
6. Completed an online course on “**Power electronics: Control and Simulation of PWM Inverters**” on May 26, 2020 from UDEMY.
7. Attended an online Faculty Development Program on “**Role of Optimization Techniques in Electrical Engineering**” on 14<sup>th</sup> July 2020, powered by IAAC Society.
8. Successfully completed NPTEL online course on “**Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink**” with 87% in November 2018.

9. Attended a Workshop on **MATLAB & SIMULINK** for Engineering Education conducted by MathWorks India on 7<sup>th</sup> Feb 2013.
10. Attended a Two Day National Workshop generation and Renewable Energy Systems (**SPGRES-2013**) in A.U. College of Engineering (A) on 22<sup>nd</sup> & 23<sup>rd</sup> March 2013.
11. Attended a Two- week ISTE Workshop on Signals & Systems conducted by IIT, Kharagpur from 2<sup>nd</sup> to 12<sup>th</sup> January 2014 in S.V.P Engineering College.

#### PUBLICATIONS:

1. Published a paper on **“An Innovative Speed Controlling Technique for a BLDC motor using Fuzzy- PID Controller”** in **IJERT**, Volume 8, Issue 11, November 2019.
2. Published a paper on **“A unique Technique for Solar Wind Hybrid Power Generation System”** in **IJERT**, Volume 8, Issue 10, October 2019.
3. Presented paper in an International Conference on **“Closed Loop Speed Control of a BLDC Motor Drive using Adaptive Fuzzy Tuned PI Controller”** in **ICHVET-2015**, on January 29-30, 2015 in Hyderabad.
4. Published a paper on **“Comparison of common PID Tuning methods with Fuzzy PID controller for speed control of a BLDC motor Drive”** in **IJSTM**, Volume 3, Issue 12, 2014.
5. Presented a paper on **Grid Connected Inverter System Control by Sinusoidal Current Injection Method for Improved Performance** in the 2-Day National Conference on Recent Trends in Electrical Engineering in S.V.P. Engineering College.

**S.S.L. PAVANI**

#### WORKSHOPS / FACULTY DEVELOPMENT PROGRAMS:

- Completed an UDEMY Course on **“Mathematical Modelling to PID Controller”**.

- Attended one week online FDP on “Implementation and Simulation of Electrical Engineering Applications using PLECS Tool” , (25-05-2020 to 29-05-2020).
- Attended one week online FDP on “Modern Trends in Electrical Drives”(MTED), during 19<sup>th</sup> to 23<sup>rd</sup> may 2020.
- Attended three day online FDP on “Real Time Hardware-in-the-Loop(HIL) simulation for Power Electronics & Power Systems”, Organized by Department of EEE, Anurag University, from 27<sup>th</sup> to 29<sup>th</sup> May.

## **T. NAVEEN KUMAR**

### **PATENTS:**

“ Hybrid Renewable Power Platform: harvests wind, solar and water current power from running water-channel” Published under ipdesign.  
Patent application No-332221-001

### **WORKSHOPS / FACULTY DEVELOPMENT PROGRAMS:**

1. Successfully completed program on “ A one week hands on training program on photovoltaic System and DC Micro grid (PVSDCM)” in Andhra university.
2. Successfully completed 3-days FDP on “Real Time Hardware-in-the-loop (HIL) Simulation for Power Electronics & Power System” in Anurag university.
3. Successfully completed 4-days FDP on “Research, Funding projects & IPR” in K.C. College of Engineering & Management Studies & Research, Thane (E).
4. Successfully completed one day FDP on “Enhancing Research Effectiveness using Scopus, Science direct and Mendeley” in Kurukshetra university in collaboration with ELSEVIER.

### **PUBLICATIONS:**

1. A Fuzzy controlled 3-Phase grid tied SPV system with improved CPI voltage variation, IJIEMR, Vol-8, Issue-04, April-2019.

2. A Fuzzy control Transformer less single phase inverter for Reactive Power Compensation in Grid Tied SPV system with wattles power control, IJIEMR, Vol-09, Issue-07, July 2020.
3. Successfully completed Oral Presentation on “A Fuzzy control Transformer less single phase inverter for Reactive Power Compensation in Grid Tied SPV system with wattles power control” in International Conference on Engineering, Science, Technology & Management, Organized by SOLETE & IJIEMR.

## **A.JYOTHSNA**

### WORKSHOPS / FACULTY DEVELOPMENT PROGRAMS:

1. Attended a One week Online Short Term Training Program (STTP) on “**Mastering Self Motivation and Attitude – Art of Living**” from February 14-18, 2022.
2. Attended a One week Online Short Term Training Program (STTP) on “**Power Systems and Power Electronics for Green Energy**” from September 20-29, 2021.
3. Attended a Three day National Level Faculty Development Program on “**Online College Management & Online Content Creation Tools**” from 30<sup>th</sup> April – 2<sup>nd</sup> May, 2020.