

**PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY (Autonomous)**

**KANURU, VIJAYAWADA**

**Department of Electronics and Communication Engineering**

**Academic Year 2021-2022**

**Faculty Achievements:**

**a. Patents:**

- i. **Mr. B. Surya Prasada Rao** published & was granted a patent titled **An Internet Of Things Based Civil Engineering Water Pump With Embedded Solar System** with the application number: 2021103839, dated:03.07.2021, Granting Organization: The Commissioner of Patents, Australian Government.
- ii. **Mrs V.S.D.Rekha** published a patent titled **Isotropic Antenna Based on Ai & MI Interface Having Multifunctional Guide-wire Assemblies** with the application number: 202141036940 A, dated: 20.08.2021, Granting Organization: Indian Patent Office.
- iii. **Dr.C.Subba Rao, Mrs.B.Swathi Lakshmi, Mrs.L.Madavi Devi** published and granted a patent – **A Wide Band Curtain Antenna Using Biconical Element** with the application no: 354747-001 on 02-02-2022 (**Granting Organization:** The Patent Office -Government of India).
- iv. **Mrs.B.Swathi Lakshmi, Dr.C.Subba Rao, Mrs.L.Madavi Devi** published and granted a patent – **Smart Window for Energy Saving** with the application no: 359278-001 on 24-02-2022 (**Granting Organization:** The Patent Office -Government of India).
- v. **Dr.T. Haritha, Dr.V S D Rekha** published and granted a patent — **Banana Bunch Hanger** with the application no: 360010-001on 17-06-2022 (**Granting Organization: Indian Patent office**).

#### **b. Ph.D.'s awarded/Guided:**

- i. Dr. J. Ravindra Babu awarded **Doctor of Philosophy (Ph.D.)** on 20<sup>th</sup> July, 2021 from JNTUH, Hyderabad and his research topic is Multi User Detection in DS-CDMA.
- ii. Dr. P. Venu Madhav awarded **Doctor of Philosophy (Ph.D.)** on 9<sup>th</sup> August, 2021 from KL Deemed to be University and his research topic is A Novel octagon Geometry Analysis for Microstrip Antenna.
- iii. **Mrs V.S.D. Rekha** awarded **Doctor of Philosophy (Ph.D.)** on 23<sup>rd</sup> February, 2022 from KL Deemed to be University and her research topic is Analytical Study on Compact Notch band Reconfigurable MIMO Antenna for WIMAX, DSRC, RADAR and KU Band.
- iv. **Mr. B.Surya Prasada Rao** awarded **Doctor of Philosophy (Ph.D.)** on 8<sup>th</sup> April, 2022 from JNTUK, Kakinada and his research topic is Development of Different Methodologies and a VLSI Architecture for Medical Image Fusion.

#### **c. Guest lectures delivered:**

- i. **Dr. C. Subba Rao** acted as a resource person for National webinar on **Recent Trends in Applications of Electronics in Communication Technology** organized by Mannar Thirumalai Naiker College, Madurai on 19<sup>th</sup> July' 2021.

#### **d. Others**

- i. Dr T. Haritha, appointed as **Technical Advisor** for SUNPACKAGING & SUNPOLYFILMS companies on 7<sup>th</sup> March, 2022.

#### **Students Achievements:**

- i. **Abdul Parvez** with Reg.No. 19501A0401 was NPTEL Topper for **NPTEL online certification course on Introduction to Programming in C** conducted by IIT from Jan-April 2022. He received cash prize from the department as a token of appreciation.