



**Prasad V Potluri**

**SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA**

NBA & NAAC Accredited, ISO: 9001-2015 Certified Institution, AICTE Approved  
& Permanent Affiliation to JNTUK, Kakinada

**(Sponsored by Siddhartha Academy of General & Technical Education, Vijayawada)**

**DEPARTMENT OF FRESHMAN ENGINEERING  
MONTHLY REPORT - JANUARY 2022**

**I. FACULTY ACTIVITIES**

**a) Publications in referred Journals:**

**(i) Scopus indexed:**

1. S.Lakshmi Tulasi, Dr.P.Pavni, Dr.N.Usha Rani “Plant Based Biosynthesis of Copper Nanoparticles and its Efficacy on Seed Viability and Seedling Growth in Peanut (*Arachis hypogaea* Linn.)” Asian journal of chemistry ISSN Number 9707077, volume 34, issue 2, Jan. 2022 Page no: 415–422
2. N. Usha Rani, P. Pavani and P.T.S.R.K.Prasad Rao, “Facile Green Synthesis and Characterization of Titanium Dioxide Nanoparticles Using *Kigelia africana* (Lam) Benth., Aqueous Leaf Extract and its Antioxidant and Antibacterial Activity”, Asian Journal of Chemistry, ISSN:9707077, Volume 34, Issue 2, January 2022, pp: 409 - 414.

**b) Participation in FDP/Training/workshops/conferences/seminars/webinar etc**

**(i) Faculty Development Program attended:**

1. Dr. P.Padmaja has participated in online short-term course titled “Implementation of Numerical Methods using MATLAB” conducted as a part of quality improvement program, organized by the Department of Mathematics, IIT Indore from 03<sup>rd</sup> January 2022 to 08<sup>th</sup> January 2022.  
Resource Person(s): (i) Prof.Suraj Goyal, J.C.Bose university of science & technology, Haryana, (ii) Prof.Pavan Kumar Kankar, IIT, Indore
2. Dr.V.Siva Naga Malleswari, “Math modeling and computational modelling”, Department of Mathematics, CMR Institute of technology, Bangalore, 24-1-22 to 28-1-22, NIRF-193.  
Resource person(s): (i) Prof.K.Meenakshi, CMRIT, Bangalore, (ii) Prof.Hanumantha Ravi, CMRIT, Bangalore

(ii) **Webinars attended:**

1. Dr.N.Usha Rani participated in one day “Raman Spectroscopy And Its Applications In Material Science” on 28th January 2022 at Sethu Institute of Technology Viruthunagar, Tamilnadu, India.

**II. STUDENT ACTIVITIES:**

1. A guest lecture on “Improving interpersonal relationships and emotional regulation”, arranged on 4<sup>th</sup> January 2022. Resource person: Dr.N.Jhansi Rani, Consultant clinical psychologist, Pinnamaneni Siddhartha Institute of medical sciences and research foundation, Vijayawada.
2. A workshop on “Artistic skills”, conducted from 5<sup>th</sup> to 10<sup>th</sup> January 2022 organized by women cell in collaboration with Pidilite
3. A guest lecture on “Study Skills for Engineering students” arranged on 20<sup>th</sup> & 21<sup>st</sup> January. Resource person: Sri.M.L.Sai Kumar, Former Professor & Dean, Institute of public enterprise, Hyderabad.