



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 - FEBRUARY 2022**

I. FACULTY ACTIVITIES

a) Publications in referred Journals:

(i) Scopus indexed:

1. T.Krishnasree, Dr.P.Pavani, "Saueda Maritime(L.) Dumort Green Synthesis-Reduced nickel Oxide Nano-Particles for Antioxidant and Bacterial Activity" Journal of Experimental Biology and Agricultural Sciences, ISSN-2320-8694, Volume:9, Issue: 6, pp.823-830, 30th December 2021.
2. S.Lakshmi Tulasi, VVSA Swamy, "Development and validation of esomeprazole residue in domestic water by using reverse phase high-performance liquid chromatography" Indian Drugs, ISSN-0019-462X, Volume:58, Issue:10, pp:63-66, October 2021.
3. K Venkatarao, G Sreedevi, Y Nirmal Rajeev, S Cole, "Structural, Morphological, and Optical Studies of ZnS-MoS₂ Nanocomposite via Hydrothermal Route" Physical Chemistry Research, ISSN: 2322-5521, volume: 10, issue: 2, pp: 293-300, June 2022.
4. K Venkatarao, G Sreedevi, YN Rajeev, BT Rao, S Cole, "Impact of mn²⁺ ions on micro-structural, luminescence properties of zns-mos₂ nanocomposites for optoelectronics", RASĀYAN Journal of Chemistry, Vol: 15, issue: 1, pp: 171-182, March 2022

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

(i) Faculty Development Program attended:

(ii) Training Programs attended:

1. Dr.V.S.N.Malleswari, Dr.G.Sreedevi, "National intellectual property awareness mission", intellectual property office, India, February 23, 2022.

Resource person: Mr Vivek raj, NIPAM officer/ Examiner of P&D, IOP Chennai

(iii) Workshops attended:

1. Dr.V.Sitamahalakshmi, "Advances in Applied Mathematics and Computational Methods held", VIT-AP, 7th to 9th January 2022.

Resource Person(s): (i) Dr.Ashwin Vaidya, Montclair state University, USA. (ii) Dr.YVSS Sanyasi Raju, IIT, Madras.

(iv) Conferences (International) attended:

1. Dr.G.Sreedevi, “Structural and spectral properties of CuO doped ZnS-MoS₂ nanocomposites Synthesized by Hydrothermal method”, 6th International Conference on Recent Advances in Material Chemistry (ICRAMC – 2022) Virtual Mode, Department of Chemistry.SRM Institute of Science and Technology,Kattankulathur, India In association with Alternative Energies and Atomic Energy Commission (CEA), & Universite Gustave Eiffel, France, February 17 – 19, 2022
2. Dr.G.Sreedevi, “Structural and optical properties of Zn₃(PO₄)₂/ CdS Nanocomposite” 6th International Conference on Recent Advances in Material Chemistry (ICRAMC – 2022) Virtual Mode, Department of Chemistry.SRM Institute of Science and Technology,Kattankulathur, India In association with Alternative Energies and Atomic Energy Commission (CEA), & Universite Gustave Eiffel, France, February 17 – 19, 2022

(v) Webinars attended:

1. T.Krishnasree, “Gender Equity towards Achieving the Sustainable Development Goals of India” NIT, Ruorkela, 2nd to 6th February 2022.
Resource Person(s): (i) Dr. Pratibha Jolly, Academic Consultant NAAC. (ii) Prof. Simanchalo Panigrahi, Director, NIT, Ruorkela.
2. T.Krishnasree, Dr. V.Sitamahalakshmi, Dr.V.S.N.Malleswari, Dr G.Sreedevi “ Guidelines For Quality Publication of Project Works” IQAC, VRSEC, 4th February 2022.
Resource Person(s): (i) Dr.B T P Madhav, Professor, KL University

c) Certification programs (NPTEL/Coursera/etc.):

1. A.Chandra Sekhara Babu, “ Mathematics for Machine Learning : Multivariate Calculus”, Imperial College London, Coursera, 21st February 2022, Grade: 99.25%

II. STUDENT ACTIVITIES:

A guest lecture was organised by the Faculty of Physics for I B.Tech students on “Advanced functional materials” on the occasion of National science day on 28-02-2022.

Resource person: Dr.V.Jayalakshmi, Assistant Professor, NIT Warangal

III. ANY OTHER INFORMATION: