

**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 MAY, 2024**

**FACULTY ACTIVITIES**

**a) Publications in refereed Journals:**

**SCI indexed: NIL**

**SCIE indexed: NIL**

**Scopus indexed:**

1. Pavani Peddi, Nannapaneni Usha Rani, and S. Lakshmi Tulasi published an article titled “Impurity Profiling and a Stability Indicating Advanced Liquid Chromatographic Method Development and Validation for the Estimation of Related Impurities of Anagrelide” in Asian Journal of Chemistry, Vol.36, No.2, pg.no: 325-330, 31 January 2024.  
<https://doi.org/10.14233/ajchem.2024.30785>

**Conference Proceedings:**

1. F. Antonius Alijoyo, S. S. Sneha Sri, Purnachandra Rao Alapati, D. Yuldashev and Ponni Valavan M, "Ethical Considerations in Explainable AI: Balancing Transparency and User Privacy in English Language-based Virtual Assistants," *2024 5th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)*, Francis Xavier Engineering College, Tirunelveli, India, held on 11<sup>th</sup> and 12<sup>th</sup> March, 2024, pp. 399-406, (**Scopus & IEEE**) doi:10.1109/ICICV62344.2024.00069

**ESCI indexed & UGC-CARE: NIL**

**b) Patents: NIL**

**c) Projects: NIL**

**d) Books/ Book chapters:**

**Others:**

1. Mrs. P. Lakshmi Lavanya has published a paper entitled “Building Bridges: Strengthening Oral Communication Skills for Rural Civil Engineering Students” in i-manager journal on civil Engineering, Vol.14, issue 1 pg.no:23 to 28, January – March’ 2024, ISSN: 2249-0779, DOI : <https://doi.org/10.26634/jce.14.1.20844>.
2. Mrs. P. Lakshmi Lavanya has published a paper entitled “Exploration Of ‘Self’ In The Select Novels of Chitra Banerjee Divakaruni” Forum for Linguistic Studies 2024, 6(1), <https://doi.org/10.24294/fls.v6i2.2135> ,ISSN:2705-0610 E-ISSN:2705-0602

**e) Participation in FDP/ Training/ Workshops/ Conferences/ Seminars/ Webinar etc:**

1. Dr. P. Pavani, Dr. S. Lakshmi Tulasi, Dr. N. Usha Rani Participated in the AICTE Recognized Faculty Development Programme on Technologies for Sustainable Rural Development Conducted by Rural Development Department from 06/05/2024 to 10/05/2024 (One Week online) at NITTTR, Chandigarh

Resource Persons:

- a. Upendra Nath Roy Professor and Head Department of Rural Development NITTTR Chandigarh
  - b. Amit Arora Associate Professor Department of Chemical Engineering NIT Himachal Pradesh.
2. Dr. S. Lakshmi Tulasi has participated and successfully completed the 5-day Online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 11th March to 15th March 2024.
  3. Dr. Pavani Peddi from Prasad V Potluri Siddhartha Institute of Technology, Vijayawada has participated and successfully completed the 6-day Online UHV-II FDP organized by All India Council for Technical Education (AICTE) from 25th March to 30th March 2024.

#### **Others:**

1. Dr. P. Pavani, Dr. S. Lakshmi Tulasi, Dr. N. Usha Rani completed One - Day workshop on AI Tools on 26th may 2024 organized by be10X.
2. Mrs. P. Lakshmi Lavanya has participated in a 3 - Day Workshop on “Finer Nuances of ELT & Research Publications Using AI Tools” from 16-05-2024 to 18-05-2024 organized by the Department of English & Humanities, FED, ANITS, Visakhapatnam.

#### **Resource Persons:**

- a. Dr. A. Satya Phani Kumari, HoD, Dept. of English and Humanities, ANITS.
  - b. Dr. Sudha Singh, Dept. of English and Humanities, ANITS.
  - c. Dr. P. Suresh Kumar, Dept. of English and Humanities, ANITS.
3. Dr. Sk. Rehena, Dr. P. Pavani, Dr. S. Lakshmi Tulasi, Dr. N. Usha Rani, Dr. G. Sreedevi, Dr. V. S. N. Malleswari, Mrs. T. Krishna Sree. actively participated in the 5-Day Online Faculty Development Program on “Unlocking Innovation: Exploring Intellectual Property Rights” organized by Department of Business Administration Prasad V. Potluri Siddhartha Institute of Technology from 16 to 21 May, 2024.

#### **Resource Persons:**

- a. Mr. Murali Krishna Pattabhi - Founder & Director, Novel Patent Services
  - b. Mr. Swamy Gelam, Manager - Projects, Novel Patent Services
  - c. Mr. K. S. Manikanta - Manager - Drafting - Novel Patent Services
4. Mr. A. Chandra Sekhara Babu has attended a 5-day faculty development program on Smart Materials and Research Opportunities(SMARO) organized by the Department of Mechanical Engineering, Vasireddy Venkatadri Institute of Technology, Nambur, Guntur (Dt.) from 27th May to 31st May 2024.

#### **Resource Persons:**

- a. Dr. Sukhomaypal Professor, IIT Gowahati
- b. Dr. Sriram Vikas Post Doc Fellow, IITG
- c. Dr. Debtanay Das Sr. Research Fellow IISc, Bengaluru
- d. Dr. I Sastry Retd. Professor, IIT Basara.

**Training Programs attended: NIL**

**Workshops attended: NIL**

**Others:**

Dr. G. Sreedevi attend a National level workshop on NEP-2020 and OBE Implementation Issues and challenges at Ramireddy and Subbarami Reddy Engineering College, kavali, Nellore on 20 April 2024

**Conferences/Seminars Attended: NIL**

**Webinars Attended: NIL**

**Guest lectures attended: NIL**

**f) Organized FDP/ Career Development/ Training/ Workshops/ Conferences/ Seminars/ Webinar etc.**

**Career Development: NIL**

**Training programs: NIL**

**Guest lecture organized: NIL**

**Workshop Organized: NIL**

**Seminars Organized:**

**Wings Talk Series-9:** A One - Day seminar is organized on “Outcome Based Education” to all the I B. Tech. Students, to create awareness in the Course outcomes and Program outcomes so as to excel in academics and also in their professional life on 24.05.24.

Resource Person: Dr. B. Janakiramaih, Professor & Head, CSE (AI & ML), PVPSIT.

**Webinar: NIL**

**Talk: NIL**

**Patent: NIL**

**Others:**

1. Dr. N. Usha Rani has reviewed a paper titled, "GC-MS Profiling of secondary metabolites in Hexane and Ethyl Acetate Crude Extracts of Red Sea Soft Coral *Xenia Macrospiculata*," for Toxicology International. (Scopus)

2. Dr. N. Usha Rani has reviewed a paper titled, “Current insights into the effects of nickel nanoparticles in plants for Environmental Research”. (SCI)

Industrial

**Visits Organized: NIL**

**g) Papers presented in Seminars / Conferences:**

1. Dr. P. Padmaja presented a paper titled Analytical Investigation of Rotary Oscillation Dynamics of Permeable Sphere in Jeffery Fluid under Magnetic Field in the International Conference on Applied Mathematics and Advanced Data Analytics for Industry 5.0

