



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, 2024

FACULTY ACTIVITIES

A. Publications in refereed Journals:

SCI indexed:

1. Mr. T. Pullarao Published a paper on “Influence of (Sr, Zr) Ion Co-doping on the Enhanced Magnetic and Dielectric Response of BiFeO₃” in the Journal of Electronic and Materials. Teneti Pullarao, S. Leelashree, G. Nagaraju, B. Ravi Kumar, S. Srinath, Yugandhar Bitla & Pittala Suresh ISSN: 0361-5235, Published 18 December 2023, Volume 53, Pages 786-800

SCIE indexed:

Scopus indexed:

1. Dr. V. Sita Mahalakshmi published paper on MHD Slip Flow of Upper - Convected Casson and Maxwell Nano fluid over a Porous Stretched Sheet: Impacts of Heat and Mass Transfer V. Sita Mahalakshmi¹, R. Leelavathi^{2,*}, T. S. Rao³, P. Naga Santoshi⁴, G. V. R. Reddy³, Oke A. S. ISSN: 2180 - 1363, December 12, 2023, CFD Letters 16, Issue 3 (2024) 96-111 CFD Letters Journal homepage:
https://semarakilmu.com.my/journals/index.php/CFD_Letters/index
2. Dr. V. Sita Mahalakshmi published a paper on MHD Casson Fluid Flow in Stagnation-Point over an Inclined Porous Surface. R. Leelavathi¹, V. Seethamalakshmi², D. Vijaya Kumar³, T. S. Rao⁴, G. Venkata Ramana Reddy⁴, *Abayomi Samuel Oke⁵. ISSN: 2180-1363 CFD Letters 16, Issue 4 (2024) 69-84, Journal ome Page:
https://semarakilmu.com.my/journals/index.php/CFD_Letters/index
3. Dr. T. Preethi Rangamani published a paper on Optimization and Removal of Heavy Metals from Groundwater Using Moringa Extracts and Coconut Shell Carbon Powder. Rangamani, T.P., Srinivasulu, M., Sreedevi, G., Srinivas, T. in *International Journal of Experimental Research and Review*, 30-Dec-2023, 36, pp. 89–98, ISSN-2455-4855.
<https://qtanalytics.in/journals/index.php/IJERR/article/view/2218/1563>

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

1. Dr. T. Preethi Rangamani Published an article titled “Examination Of Powdered Coconut Shell Carbon as An Eco-Friendly Water Treatment Technique to Eliminate Heavy Metals from Underground” in the United International Journal of Engineering Science. ISSN:2582-5887; Volume-5, Special issue 2(January-2024); Impact factor:6.71(SJIF).
2. Dr. N. Usharani Published an article titled ‘Treatment Of Waste Water by Nano Particles’ in the United International Journal of Engineering Science. ISSN:2582-5887; Volume-5, Special issue 2(January-2024); Impact factor:6.71(SJIF).

B. Patents:

1. Dr. Sk. Rehena, P. Lakshmi Lavanya & M. Krishna published a patent titled “ICT-Based Teaching Aids To Enhance English Language Proficiency Of Rural Background Engineering (Rbe)Students”, Patent Published Application Number- 202341073508, Indian Patent Office, India. Journal number:10/2024, Journal Date: 02/02/2024.
2. Pavani Peddi published a patent titled “Suaeda Maritima Aqueous Extract Mediated Copper Oxide Nanoparticles Useful For Biomedical Applications “Patent Published Application Number- 202341088570, Indian Patent Office, India. Journal number:03/2024, Journal Date: 19/01/2024.

C. Projects:**Projects applied:**

Dr. G. Sreedevi applied for a project titled “Towards microbe free potable water – AgNWs based effective and affordable disinfection system” for APSHE under Guntur cluster JNTUK. Total Budget: 9,76,800/- (Nine lakhs seventy-six thousand eight hundred) duration 24 Months on 14 th December, 2023.

D. Books/ Book chapters:**E. Participation in FDP/ Training/ Workshops/ Conferences/ Seminars/ Webinar etc****FDP attended:****Others**

1. Dr. M. Prameela attended a Seven Days International Faculty Development program on “Recent Trends in Mathematics and Technology” (virtual mode) from 22-12-2023 to 29-12-2023 organized by Department of Mathematics, SRM TRP Engineering College, Tiruchirappalli Tamilnadu.
Resource Persons:

Dr. C. Sivagnanam, Assistant Professor, University of Technology and Applied Sciences-Sur, Sultanate of Oman
Dr. V. Veeramani, Assistant Professor, University of Technology and Applied Sciences-Sur, Sultanate of Oman
Dr. D. Ramesh Kumar, Assistant Professor (Senior Grade), Vellore Institute of Technology, Vellore
Dr. R. Suresh, Senior Lecturer, University of Technology and Applied Science-Ibri, Oman.
Dr. K. Anitha, Assistant Professor, Department of Mathematics, SRM Institute of Science & Technology, Ramapuram, Chennai.

2. Dr. V. Sita Mahalakshmi attend a 5-day faculty Development Program on “Mathematics in Engineering and Science-Importance and Applications” (MES2024) (An Online FDP) 02-06 January 2024, organized by Department of Mathematics VIT-AP University.

Resource Persons:

1. Dr. Pradeep GSiddeswar, Professor, CHRIST University.
2. Dr. K. C. Siva Kumar, Professor, IIT Madras.
3. Dr. B. Cheluva Raju, Professor, Bangalore University.
4. Dr. Y. V. S. S. Sanyasi Raju, Professor, IIT Madras.
5. Dr. A. S. V. Ravi Kanth, Associate Professor, NIT Kurnool.

3. Mrs. P. Lakshmi Lavanya & Dr. Sk. Rehena participated in an online Faculty Development Program “Viksit Bharat 2047- Role of Engineering Faculty” from 29-01-2024 to 02-02-2024 organized by Rajiv Gandhi University of Knowledge Technologies, IIIT RK Valley, RK Valley Campus, Kadapa District, Andhra Pradesh-516330.

Resource Persons:

Dr. Sanjay Bharadwaj Scientist "G" and Head, International Advanced Research Institute (ARCI), Hyderabad, Telangana,
Dr. Shiva Kiran Makam CEO, AIC-SKU, Anantapur, AP
Dr. U. Chandrasekhar
Chief Research Officer at Cambridge Innovation Center, Bangalore. Adviser-APSCHE
Former Scientist GTRE (DRDO), Bangalore
Mr. Sridharan Venkataramanan
Associate Vice President, Global Logic, Bangalore
Dr. M. S. Santosh
Senior Scientist & Head (CHESS). Council of Scientific and Industrial Research (CSIR-CIMFR), Bangalore

Training Program

Training Programs attended:

Workshops attended:

Conferences/Seminars paper presented:

Others

Dr. T. Preethi Rangamani participated and presented a paper titled “Examination Of Powdered Coconut Shell Carbon as An Eco-Friendly Water Treatment Technique to Eliminate Heavy Metals from Underground” in the National conference on ‘Nano Materials for Next Generation’, organized by the department of Chemistry and Physics, CSTS Govt. Kalasala, Jangareddigudem, Eluru Dist. held on 5th January 2024.

Seminars Attended:**Webinars Attended:****Guest lectures attended:****F. Organized FDP/ Career Development/ Training/ Workshops/ Conferences/ Seminars/ Webinar etc.****Career Development:****Training programs:****Guest lecture organized:****Workshops:****Conferences:****Webinar:****Others:**

1. Dr. M. Rudrama Devi conducted Mock Interviews for MBA Final year students.

G. Papers presented in Seminars/ Conferences:**H. Certification programs (NPTEL/Coursera/etc.)****I. Resource Person:****STUDENT ACTIVITIES:**

1. 393 students from CSE, ECE& EEE (Freshman Engineering Department) have completed STEP certification course offered by PVPSIT in collaboration with the Hindu.

ANY**OTHER****INFORMATION:**