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SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA
NBA & NAAC Accredited, ISO: 9001-2015 Certified Institution, AICTE Approved &
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(Sponsored by Siddhartha Academy of General & Technical Education, Vijayawada)

DEPARTMENT OF FRESHMAN ENGINEERING
MONTHLY REPORT -April , 2023

FACULTY ACTIVITIES

a. Publications in refereed Journals:

i. **SCI indexed:** Nil

ii. **SCIE indexed:** Nil

iii. **Scopus indexed :**

1. Dr. N. UshaRani, Dr. P. Pavani & Dr. S. Lakshmi Tulasi published a research paper entitled "Green Synthesis And Characterization Of Co-Doped Zno Nanoparticles Via The Accumulation Of Cobalt Ion Onto Pistia (Pistia Stratiotes L.) Plant Tissue And Its Photocatalytic Activity Toward Organosulfur Pollutants” Rasāyan Journal Of Chemistry’ ISSN: 0974-1496Volume-16, Issue-01,PageNo:398-406, March 2023.https://www.rasayanjournal.co.in/admin/php/upload/3885_pdf.pdf
2. Dr. N. UshaRani, Dr. P. Pavani & Dr. S. Lakshmi Tulasi published a research paper titled” Green Synthesis of Zinc Oxide Nanoparticles using Leaf Extract of Causonistrifolia (L.) and its Applications on Germination and Growth Enhancement of Mustard Seeds” Asian Journal of ChemistryISSN:1861-4728 Volume:35Issue:(4),PageNumbers:923–928Mar.2023.[https://asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=35_4_18.](https://asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=35_4_18)
3. Dr. S. Lakshmi Tulasi, Dr. N. Usha Rani & Dr. P. Pavani published a research paper titled “Green Synthesis, Characterization and Environmental Application of Copper

Oxide Nanoparticle obtained Using Aqueous Extract of Schrebera Swietenoides Roxb” Bulletin of the Karaganda University Chemistry Series, (Eurasian Journal of Chemistry) ISSN :26634872 Mrach.2023, ISSUE:109,Volume:(1),pp. 78–89.<https://chemistry-vestnik.ksu.kz/apart/Onlinefirst/2023-109-1/1-23-2.pdf>.

4. Dr. S. Lakshmi Tulasi, Dr. P. Pavani & Dr. N. Usha Rani published a research paper titled “Impact of zinc oxide nanoparticles on Cajanus Cajan Linn. With special reference to germination, vegetative and biochemical aspects” Journal of Medical Pharmaceutical and Allied Sciences, ISSN:23207418 Jan.2023, ISSUE:12VOLUME:(1),pp.5624–5629.

[https://jmpas.com/admin/assets/article_issue/1677778810JMPAS JANUARY - FEBRUARY 2023.pdf](https://jmpas.com/admin/assets/article_issue/1677778810JMPAS_JANUARY_-FEBRUARY_2023.pdf)

iv) **ESCI indexed:**

1. Dr. P. Padmaja published a paper on Analytical and Numerical study of steady flow of thermo - viscous fluid between two horizontal parallel plates in relative motion N. Pothanna, P. Aparna, G. Sireesha and P. Padmaja, with ISSN 0975-8607, vol 13, no. 5 pp 1427-1441, Dec 30 th 2022.(Communications in Mathematics and Applications) (Web of Science)

iv. **Others:**

Chapter Publication

Mrs. P. Lakshmi Lavanya published a chapter titled “Evaluation of Life skills in Youth” in the book Life skills in the Contemporary Education systems by NOVA science Publishers (International Publishers), 2023, ISBN 13:979-8-88697-704-2

b) Patents: NIL

c) PROJECTS:

Dr. G. Sreedevi, Assistant professor as Co-PI and Dr. Vallamkondu Jayalakshmi, Associate professor, National Institute of Technology, Warangal as (PI) applied a project of title “Development of Nematic and Cholesteric Liquid Crystal Emulsion Biosensors for the detection of viruses and pathogenic bacteria’ under CSIR-ASPIRE of an amount ₹26,00,000 with Proposal_ID:55769 on 28-04-2023.

d) Books/ Book chapters:

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

1. Faculty Development Program attended:

2. Training Programs attended:

3. Workshops attended:

4. Conferences or seminars/ Webinars attended:

f) Programs organized as FDP/Training/workshops/conferences/seminars/webinar etc

1. Faculty Development Program:

2. Training Programs:

3. Workshops :

A One –Week Workshop on ‘Student Innovation and Entrepreneurship’ was organized from 4-04-2023 to 11-04-2023 for I B. Tech Students. The workshop was conducted in a hybrid mode (3 days online and 3 days offline)

78 students participated in the workshop

Resource Person: Mrs. S. Krishna Sowjanya, Founder, Business Consulting and Training, Rajahmundry

4. Guest lectures :

Wings Talk series - 4: Innovation & Ideation Start- up Talk was organized in association with Alumni for I B. Tech. students to enhance the Entrepreneur Skills and self - reliability by efficient working among young students on 10.04.23.

Speakers: **Phanindra Mantravadi**, CEO & Co-founder of Frontlines Media

Upendra Gullipilli, CTO & Co-founder of Frontlines Media

Wings Talk series - 5: ‘Scope of Mechanical Engineering’ was organized for the Mechanical Engineering Students of I B. Tech. to create awareness among young students about the career prospects they have after the completion of Graduation (after **2026**) on 18.04.23.

Speaker: **Dr. P. Phani Prashanthi, M. Tech., Ph. D.**

Associate Professor

Mechanical Engineering Dept.

PVPSIT

5. Conferences or seminars :

6. Others

A team of 78 I B. Tech students, Freshman Engineering Department, has exclusively designed and organized a program titled **‘Futuristic Innovation and Entrepreneurship Summit 2K23’** on 10-04-2023 and 11-04-2023. As a part of this summit students have hosted various events like

- Start-up Talk by Alumni
- Entrepreneurs tree expo
- Chocolate making workshop
- Marshmallow challenge
- Bangle making workshop

- Start-up ideas
- Parents Entrepreneurial Saga (Interviewing parents who are into business)
- Quiz.

All these events were exclusively organized by students under the guidance of Mrs. S. Krishna Sowjanya, Business Consulting and Training. They had numerous sponsors for this event who sponsored a total amount of Rs. 26,000/-

g) Papers presented in seminars/ Conferences:

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

1. Dr. Pavani Peddi, Dr. N. Usha Rani, Dr. S. Lakshmi Tulasi completed an Eight-week online non-credit course, "Training and Practicing in English Public Speaking authorized by Shanghai Jiao Tong University and offered authorized by through Coursera on 28-04-2023. (88.40%)

i) Faculty Achievements (Higher Qualification awarded, guest lectures given, awards and rewards, acted as a Resource person, Judges. BOS members etc.):

STUDENT ACTIVITIES:

1. Mrs. R. Lavanya of IT with Regd.no: 22501A12A0 participated and Won third prize in the Business Plan Competition held on 26th April 2023. Conducted by Entrepreneurship Development cell, PVPSIT, Kanuru, Vijayawada.

ANY OTHER INFORMATION