



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, 2024

FACULTY ACTIVITIES

a. Publications in refereed Journals:

SCI indexed:

SCIE indexed:

Scopus indexed:

1. Dr. S. Lakshmi Tulasi, Dr. P. Sumalatha, Dr. Shaheda Niloufer, Dr P. Pavani, and Dr. N. Usha Rani published a Research article titled 'Biosynthesis of Zinc Oxide Nanoparticles from *Schrebera Swietenoides* Roxb. Leaves Extract and their Potent Photocatalytic Activities', in *Asian Journal of Chemistry*, ISSN No. 0970 – 7077, Volume 36, Issue 1 Page No. 44 – 48, January 2024.
2. Somaiah Nalla, Y. Pavani, Gollapudi Ravi Kumar, Subbarao Manam published a paper on 'Synthesis and biological evaluation of amide derivatives of 1,2,4-thiadiazole –thiazole-pyridine as anti - cancer agents' in *Chemical Data Collections* Volume 49, 101108 Feb 2024
3. Alla Venkata Ranga Surya Prasad, Leela Santi Parige, A.Chandra Sekhara Babu published a Regular article titled Power-Optimized Information Systems for Mobile Robotics in *Physical Processes* Vol. 16 No 1, 01015 February 2024

ESCI indexed & UGC-CARE:

Others:

b) Patents:

c) Projects:

1. Dr. Pavani Peddi (P I), Dr. S. Lakshmi Tulasi (Co - P I), and Dr. N. Usharani (Co - P I) applied for the project titled "Nano Harvest: Nurturing Agriculture Through Precision Nano Fertilization and Sustainable Commercial Crops Growth" to SERB Power Grant. The total budget is INR 6,60,000/- with a duration of 3 years. The application was submitted on 09-Feb-2024.

d) Books/ Book chapters:

Others:

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

1. Dr A. Purnachandra Rao participated in a Seven-day Faculty Development Program on Contemporary Literary Trends and Devices” from 05 February to 11 February, 2024 organized by P.G. and Research Department of English, Faculty of Science and Humanities, SRM Institute of Science and Technology, Kattankulathur, Chennai.
Resource Persons: Dr. Joseph Ponniah Professor, Department of Humanities and Social Sciences, National Institute of Technology, Tiruchirappalli; Dr. Karthika V.K. Assistant Professor, National Institute of Technology, Tiruchirappalli; Dr. Samuel Rufus Associate Professor, Madras Christian College, Chennai; Dr. Anvar Sadhath, Associate Professor, New College, Chennai; Dr. G. Baskaran, Professor & Dean, School of English & Foreign Languages, Gandhigram, Rural Institute; Dr. P. Harshini, Assistant Professor, Ethiraj College For Women, Chennai; and Dr. T. Marx, Professor, Department of English, School of Humanities, Pondicherry University, Puducherry
2. Dr. T. Preethi Rangamani participated in a UGC sponsored two - day workshop on “Machine Learning Advances in Microbiology “from 16-17 February 2024 at Acharya Nagarjuna University, Guntur.
Resource Persons: Perla Venkat, CEO & Co Founder, UPLINK, Automation, Bangalore.

Training Programs attended:

Workshops attended:

Conferences/Seminars paper presented:

1. Mrs. Y. Pavani present a paper on Physico - Chemical Analysis of Water - Biological solution in the Two Day International conference on chemical and biochemical approaches For Development of Drug Target against Modern Diseases organized by Department of chemistry & Biochemistry of Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada on 28-2-2024 to 29-2-2024.

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:

1. Chemistry department organized a guest lecture on “Science and Technology in Life - Quest for Novel Catalysts for Sustainable Hydrogen Evolution Reaction” on 24th February 2024 in ground floor seminar hall.

Resource Person: Dr. D. H. Nagaraju, Professor at REVA University, will be the resource person for I B. Tech. students of IT-I, IT-II, ME & CE sections (**No. of students participated - 178**)

2. Chemistry department organized a guest lecture on 'Research Project Proposals and Research Grants' on 24th February 2024 in the PVPSIT Ground Floor Seminar Hall.

Resource Person: Dr. D. H. Nagaraju, Professor at REVA University, will be the resource person addressing the faculty (**No. of faculty participated -15**)

3. A Guest lecture on Smart materials for Emerging Technologies and Technical events were organized to all the I B. Tech. Students on the occasion of National Science day on Feb 28th 2024 by the faculty of physics. (**No. of students participated -132**)

Resource Person: Dr. P. Balaji Bhargav, Research Scientist, Shri Shiv Nadar Research Center, Kalavakkam, TamilNadu.

Seminars Organized:

1. Wings Talk Series-5: A one day seminar on “Awareness on Merit Scholarships” is organized to all the I B.Tech students as a part of Talk-5 on 27th Feb. 2024.

Resource Persons:

1. Ln Surapaneni Venkata Ratnam, NSF Vijayawada Chapter Coordinator.
2. Srilatha Meka, USA Liaison NSF Vijayawada Chapter
3. Ln.Dr. Achyuta Babu Kamineni, Director Andhra Hospitals.

2. A seminar on Research funding, patents, publications in science and technology was organized to all the faculty of physics, chemistry & ES on the occasion of National Science day on Feb 28th, 2024 by the faculty of physics. (**No. of faculty participated -17**)

Resource Person: Dr. P. Balaji Bhargav, Research Scientist, Shri Shiv Nadar, Research Center, Kalavakkam, Tamil Nadu.

Workshops:

1. Faculty of Environmental Sciences Organized A One Day Workshop on ‘E- Security’ for I B. Tech. CSE, CSD, CSM, IT& EEE Students on 21.2.2024. (**No. of students participated -310**)

Resource person: Perla Naga Sai Venkat Satish, CEO & Co Founder, UPLINK automation

Conferences:

Webinar:

1. Dr. Sk. Rehena has Participated in One - Day National Webinar on ‘Flipped Classroom & Women’s Autobiography’ Organized by Dept. of English, Anandrao Dhonde Alias Babaji Mahavidyalaya Kada & Adv. B. D. Hambarde Mahavidyalaya Ashti held on 20th February, 2024.

Patent:

Others:

g) Papers presented in Seminars / Conferences:

1. Dr. M. Shyam Sundar has presented a paper titled, “Numerous Barriers in Sports: A Commonality between the Natives of Australia and India” in the UGC Sponsored Global Seminar on Marginality & Multicultural Literary Landscape: Narratives from Australia &

India, organized by Centre for Australian Studies, Acharya Nagarjuna University, Guntur, during 26-28 February 2024.

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

Coursera:

Shaik Rehena completed “Leading Innovation in Arts and Culture” course authorized by Vanderbilt University and National Arts Strategies and offered through Coursera On 21 February 2024 with 100%.

g) Resource Person:

STUDENT ACTIVITIES:

1. **Projects club:** I B. Tech. Students participated and won prizes in the State Level Inter Collegiate Academic Competitions (Scintilla 5.0) organized by P. B. Siddhartha College of Arts and Science in association with Andhra Pradesh State Council of Science and Technology (APCOST) on 16 Feb, 2024.

S. No	Name of the Student	Roll No	Event	Venue / Organised by	Prize
1	V. Kalyan Sai Ram	23501A0353	PROJECT EXPO	P. B. Siddhartha college of arts and science	1 ST
2	V. Kalyan Sai Ram	23501A0353	IDEATHON	P. B. Siddhartha college of arts and science	1 ST
3	K. Hemanand Kumar	23501A0448	EYES (PPT)	P. B. Siddhartha college of arts and science	1 ST
4	D. Bhagyavathi	23501A0428	POSTER PRESENTATION	P. B. Siddhartha college of arts and science	1 ST
5	Abdul Raheema	23501A0401	POSTER PRESENTATION	P. B. Siddhartha college of arts and science	1 ST
6	K. Hemanand Kumar	23501A0448	JAM	P. B. Siddhartha college of arts and science	2 ND

2. **Music Club:** MS. Chinmayee of I B. Tech. CSM participated in the cultural competitions (Solo Singing) in AFOSEC - VRSEC Tech-Fest and won I Prize on 29.02.2024.
3. **Dance Club:** 12 Dance club students participated in the Group dance of AFOSEC - VRSEC Tech-Fest and won I Prize (7000 Cash Prize) on 29.02.2024.

Winners List

M. Dilip -23501a0272
A. Rohan -23501a12a8
A. Santhi Swaroop -23501a0123
Ch. Teja -23501a0325
K. Akshit-23501a0587

K. Jayaprakash-23501a0578
Sk. Riyazali -23501a0454
B. Niteesh -23501a1214
N. Kundan Kumar -23501a4235
P. Guru Sai -23501a05e4
A. Sai Pranay -23501a0514

4. Faculty of physics organized technical events on eve of National Science Day from 26-02-2024 To 27-02-2024. Total 48 Members are participated in these events. following members won the prizes.

I. Poster Presentation ((Role of science in Technology):

First Prize: CSE-I: J. Viswatej (23501A0556)

Second Prize: CSD: Y. Suma Harshitha (23501A4465), P. Raja Rohini (23501A4447)

Third Prize: CSE-3: S.Vani Vahnika (2351A05F9), Y. Harshitha Sri Sai (23501A05J3)

II. Ideathon (Smart innovative idea on “Indigenous Technologies for Viksit Bharat”)

First Prize: CSE-3: P. Lahari 23501A05E5

Second Prize: CSM: P. Lakshmi Manasa 2301A4243

Third Prize: EEE: M. Jagadeesh23501A0243

III. PPT: Applications of physics in latest Technologies

First Prize: EEE: V. Nikhil (23501A0259), Ch. Ravindra (23501A0214)

Second Prize: CSD: K. Nikitha (23501A4418), Sri Lakshmi Sivani (23501A441)

Third Prize: CSE-1: A.V. N Karthik (23501A0510), G.K.R.V Kaushik (23501A0541)

Consolation prize: CSE-3: S. Vani Vahnika (2351A05F9), Y. Harshitha Sri Sai 23501A05J3

IV. JAM:

First Prize: CSM: P. Lakshmi Manasa 23501A4243

Second Prize: CSD: K. Nikitha 23501A4418

Third Prize: ECE-I: B. Siva Sai Krishna 23501A0415

ANY OTHER INFORMATION:

1. Dr. M. Shyam Sundar has chaired a session in the UGC Sponsored Global Seminar on Marginality & Multicultural Literary Landscape: Narratives from Australia & India, organized by Centre for Australian Studies, Acharya Nagarjuna University, Guntur, during 26-28 February 2024.
2. Dr. G. Sreedevi, Mrs. T. Krishna Sree, Mr. T. Pulla Rao, Mr. M. Naga Prasad acted as a jury members in the State Level Inter Collegiate Academic Competitions (Scintilla 5.0) organized by P. B. SIDDHARTHA College of Arts and Science in association with Andhra Pradesh State Council of Science and Technology (APCOST) on 16 Feb, 2024.