



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 March, 2024

FACULTY ACTIVITIES

a. Publications in refereed Journals:

SCI indexed:

1. Dr. M. Prameela published a paper on Exponential Space-Dependent Heat Generation on Powell-Eyring Nano-liquid under Nonlinear Thermal Radiation, *Indian Journal of Physics*, ISSN: 0973-1458, volume:97, issue:8, page Nos:2461-2473
2. Dr. Kavuri K. S. V. A. Satheesh, Mrs. T. Krishna Sree published a paper “Enhancing Security Using Secure Authentication Model in Fog Computing Model” in *Wireless Personal Communications*, an International Journal of Springer. EISSN:1572-834X, Volume 130, Issue 02, Pages: 909-933.

SCIE indexed: NIL

Scopus indexed:

1. V. S. N. Malleswari, M. Babu Prasad, Kothuru Bhagya Lakshmi, M. Aruna Kumari, M. Sireesha published a paper titled, “MBJ-Neutrosophic WI Ideals in Lattice Wajsberg Algebra”. *Journal of International Journal of Neutrosophic Science*, (2024); 23 (3): 131-139 (Doi : <https://doi.org/10.54216/IJNS.230311>)ISSN:2690-6805.
2. Dr. R. Chudamani published an IEEE conference paper, titled “Secure data transmission for communication systems using IOT” in the 7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings, 2023, pp.1294-1299 ISBN:979-8-3503-4060-0.
3. Dr. R. Chudamani published an IEEE conference paper, titled “Energy storage system control scheme based on pertained adaptive dynamic programming for PSO’s” in the 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2023 - Proceedings, 2023, pp. 947–951 ISBN:979-8-3503-4148-5

ESCI indexed & UGC-CARE: NIL

Others:

1. Dr. P. Padmaja published a paper on Uniform flow of micro -polar fluid past a permeable sphere saturated with viscous fluid, *Journal of Namibian Studies*, 38 S1(2023): 799-813. ISSN:2197-5523.

b) Patents: NIL

c) Projects: NIL

d) Books/ Book chapters:

Others:

1. Dr. P. Padmaja contributed a chapter on relationship between glucose and diabetes using correlation coefficient test in the book title is Emerging Technologies Unveiled applications of block chain, AI and IOT across Science & Technology, First edition:2024 ISBN: 978-81-19681-89-1
2. Dr. Sk. Rehena contributed a chapter on “Sociological and Psychological issues in Manju Kapur’s Difficult Daughters” in the book titled "Bridging the Gaps: Intersections of Literature and Language studies" published by Authors Press Publishers of Scholarly & Creative Books & Journals." ISBN 978-93-6095-265-5
3. Dr. Sk. Rehena contributed a chapter on “A Realistic Portrait of the Modern Marriages in Sudha Murthy’s House of cards” in the book titled "Bridging the Gaps: Intersections of Literature and Language studies" published by Authors Press Publishers of Scholarly & Creative Books & Journals." ISBN 978-93-6095-265-5

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

Others:

1. Dr. Sk. Rehena has participated in Seven Days National Level Virtual Faculty Development Program entitled, "Exploring Cultures: Diversity in Travel Writing" organized by Department of English, PPG College of Arts and Science, Coimbatore from 20.02.2024 to 27.02.2024.
2. Dr. P. Padmaja, Dr. V. Sita Mahalakshmi, Dr. M. Prameela, Dr. Sk. Rehena, Mrs. T. Krishna Sree, Mrs. Y. Pavani, Mrs. A. Divya Sai Sree attended One - Week online workshop on Quality Research Paper and Funding Project Proposal Writing from 11/3/2024 to 15/3/2024, organized by Dept. of EEE, PVPSIT.

Training Programs attended: NIL

Workshops attended: NIL

Conferences/Seminars Attended:

Webinars Attended:

1. Mrs. P. Lakshmi Lavanya has Participated in One - Day National Webinar on “Flipped Classroom & Women’s Autobiography” Organized by Department of English, Anandrao Dhonde Alias Babaji Mahavidyalaya Kada & Adv. B. D. Hambarde Mahavidyalaya Ashti held on 20th February, 2024.

Guest lectures attended:

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

Career Development: NIL

Training programs:

Guest lecture organized:

1. NDLI CLUB, FED, Co-ordinator, Mr. Ch. Murali Mohan has organized a guest lecture on “Problem Solving Skills” by Professor. B. Tirupathi Reddy, IT, PVPSIT, on 13-03-2024.

Workshop organized:

1. The faculty of English organized a workshop on “Supporting Learners in English Language Acquisition through Aesthetics” for I B. Tech. students on 26th March, 2024.

Resource Person: Prof. Dhanavel SP, Department of HSS, IIT Madras.

Co-ordinator: Dr A. Purnachandra Rao

Seminars Organized: NIL

Conferences: NIL

Webinar: NIL

Industrial visits organized:

I B. Tech. students visited various industries from 29-02-2023 to 05-03-2023.

S. No	Name of the Industry	BRANCH	No. of Students	Date
1.	CIPET, Surayapalem, HEAL	CSE-S1, CSE-S3	125	29-02-23
2.	CIPET, Surayapalem, HEAL	CSE-S2, CSD, CSM	184	01-03-23
3.	CIPET, Surayapalem, HEAL	IT-S1, IT-S2	116	02-03-23
4.	Rayanapadu South Central Railway Workshop, Vijayawada	EEE, ME, CIVIL	152	04-03-23
5.	CPOH Work Shop South Central Railway, Vijayawada	EEE, ME, CIVIL	152	04-03-23
6.	K.C.P. Sugar and Industries Corporation Limited Vuyyuru Bypass Rd, Vuyyuru,	ECE-S1, ECE-S2	120	05-03-23

g) Papers presented in Seminars / Conferences:

1. Dr. Sk. Rehena Presented a paper in a Two-Day International Conference Transformations and Transitions: Emerging Trends in Literature and Language Studies on March 11th & 12th, 2024 organized by K L University. NIRF RANK-28

Others:

1. Mr. T. Pullarao presented a paper in a National Seminar on “Material Science and Characterization Techniques (NSMCT 2024)” held on 07-03-2024 organized by the faculty of physics, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur. The title of the paper is “Influence of Microstructural, optical and Luminescence properties by coupling of CuO with ZrO₂ under hydrothermal method.
2. Dr. V. S. N. Malleswari presented a paper entitled “Some fascinating applications of matrices in Computation, Combinatorics, Cryptography and Chemical Sciences” in the Second International Conference on Advances in Smart Sensor, Signal Processing and Communication Technology (ICASSCT 2024) organized by the Electronics Program, School of Physical and Applied Sciences, Goa University, Goa, India during 22 - 23, March 2024.

3. Dr. V. S. N. Malleswari presented a paper entitled “A brief note on encoding and decoding in cryptography” in the Second International Conference on Advances in Smart Sensor, Signal Processing and Communication Technology (ICASSCT 2024) organized by the Electronics Program, School of Physical and Applied Sciences, Goa University, Goa, India during 22 - 23, March 2024
4. Dr. G. Sreedevi presented a paper entitled Impact of Transition of Metal oxides (TiO₂, MnO, CuO) On Structural, and Optical properties of Core Shell Hetero structure CdS/Zn₃(PO₄)₂ Nano hybrid for LED applications in a Conference on Emerging Trends in Supramolecular Science and Technology organized by SRM University-AP on 7, 8th March 2024
5. Mrs. T. Krishna Sree presented a paper entitled Significance of Multi - Functional Materials as – Flexible Wearable Sensors in an International Conference on Emerging Trends in supramolecular Science and Technology (ETSST 2024) SRM University – Andhra Pradesh on 7 - 8 March 2024.

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

g) Resource Person: NIL

STUDENT ACTIVITIES:

1. Arts and Craft club

- a) I. B. Tech. students have participated in the Art Competition conducted in connection with the Birth Centenary Celebrations of M. S. Murthi and have been awarded I, II & Consolation Prizes at Andhra Academy of Arts, Vijayawada on 3.3.2024.
Total No of Participants: **20**

S.No	Prize	Student Name	Programme	Branch
1	I	D. Heden	B. Tech.	CSE
2	II	K. Kavya Manjusha	B. Tech.	ECE
3	Consolation	P. V.R. B.Chinmayee	B. Tech	CSM
4	Consolation	K. Y. N. Susmitha	B. Tech.	CSE
5	Consolation	Y. Suma Harshitha	B. Tech.	CSD
6	Consolation	D.V.S. Naga Sai Tejaswini	B. Tech.	IT
7	Consolation	Cherukuri Ram Charan	B. Tech.	CSE
8	Consolation	Komati Anuradha	B. Tech.	EEE

- b) I. B. Tech. Arts and Craft club students participated in the event Painting and Sketching competitions at Bharat GI Mahotsav 2024 conducted by KL University on 22.3.2024 at Siddhartha Hotel management

Total No of Participants: **4**

List of prize winners: Y. Suma Harshitha CSD -First Prize
G. Anuhya ECE - Consolation Prize
P. Raja Rohini - Consolation Prize

- c) I B. Tech. Arts and Craft club students participated in Drawing competitions on 23.3.2024 organized by Gora Science center on the Eve of World water Day

Total No of Participants: **29**

List of prize winners: Y.Suma Harshitha CSD -Third prize
S. Harini ECE-Third prize

2. Project club:

- a) I B. Tech. students participated in Innovation fair at JNTU-K held on 27th & 28th March 2024 to exhibit their projects/ prototype/ ideas

Total No. of Participants: **21**

S. No.	Project Title	Members
1	Blind Vision	23501A0214 - Ch. Ravindra Babu
		23501A0259 - V. Nikhil
2	Smart Zebra Crossing	23501A0243 - M. Jagadeesh
		23501A0248 - P. Prasanna Kumar
3	Obstacle Avoiding Robot	23501A0353- V. Kalyan Sai Ram
		23501A0329 -M. Durga Prasad
		23501A0146 - V. Hari Narayana
4	PG Finder	23501A05A6- M. Poshanya
		23501A0577 -K. Bharadwaj
		23501A0595 -K. Naga Charan
		23501A0597 -L. Rishi
		23501A0571 -K. Jan Vikash
5	The Purifying Pearl	23501A05H2- T. Jaya Krishna
		23501A05F5-Sk. Mohammad Hussain
		23501A05G3-S. Saranya
		23501A05D2-N. Yavanika
6	Led Distance Indicator	23501A4448 - P. Bhanu
		23501A4415 - G. Mahesh
7	VIHARI -The Explorer	23501AO5D1- N. Sudha
		23501A0562- K. Charishma
		23501A0520-P.Brunda Geethika

3. Dance club:

- a) I B. Tech. students performed 3 dances Army theme dance and Dandia Dance and classical dance at Bharat GI Mahotsav on 22.03.2024 at Siddhartha Hotel Management.

Dandiya dance was appreciated and certificates of participation were given to all the students.

Total No of Participants: **24**

The following Army dance students won II prize:

S.NO	NAMES	REG. NO	Branch & Section
1	K. Swaroop	23501A0123	CIVIL
2	Y. Madan Mohan	23501A12D1	IT-2
3	SK. Riyaz	23501A4454	CSD
4	K. Jaya Prakash	23501A0578	CSE-2
5	M. Dilip	23501A1272	IT-2
6	CH. Teja	23501A0310	MECH
7	B. Nitesh Kumar	23501A1214	IT-1
8	B. Lokesh	23501A0515	CSE-1
9	M. Ravi	23501A0325	MECH

- b) Dance club students participated in SITAR 2K24 and won I & II prizes in the Group dance competition held on 06.03.24 at PVPSIT.

No. of participants: **09**

Prize winners: 09

S.No.	Name of the student	Branch / Sec	Event Title	Prize
1	M.Dileep Y. Malika S. Jaswanthini Y. Madhan Mohan	IT-2 (4 members)	Group dance	I
2	B.Lahari G. Navya A. Rushitha B.Inkitha S.Meghana	IT-1(5 members)	Group dance	II

4. Music Club:

- a) Around 4 students from music club participated in Bharath GI Mahotsav 2024 organized by K L University on 22.3.2024 at Siddhartha Hotel management.

Total No of Participants: **5**

The following Music club students won prizes:

S. No.	Name of the student	Branch / Sec	Event Title	Prize
1	K. Varun	CSE-1	Instrumental Music (Solo)	II
2	K. Thilakavathi	CSE-2	Group Song	II
3	P.V.R.B. Chinmayee	CSM	Group Song	II

- b) K. Varun of I B. Tech., CSE has won the first prize in solo instrumental competition in BLITZKRIEG 2K24 organized by P.B Siddhartha Arts and Science College on 07.3.24.
- c) P. V. R. B. Chinmayee of I B. Tech. CSM has participated in Sitar 2K24 and won second prize in a solo singing competition held on 06.03.24 at PVPSIT.

5. I B. Tech. students participated in తెలుగుభాష పై నీ పట్టు చూపెట్టు” competition at Siddhartha Kalapeetam, SAGTE, Vijayawada.
Total No of Participants: 48
6. I B. Tech. students participated in NIPUNA 2K24, organized by SRKR Engineering college, Bhimavaram on 22-03-24 and 23-03-24.
Total no of participants: 09

Name	Roll No, Section	Event Name
J. Viswa Tej	23501A0556, CSE-1	Modal United Nations, Business Capital, IPL Auction, Model Marathon, Genesis.
P. Gurusai	23501A05E4, CSE-3	Business Capital, IPL Auction, Model, Marathon, Genesis, Artspace.
A. Varun	23501A0506, CSE-1	Business Capital, IPL Auction, Model Marathon, Genesis.
A. Pranay	23501A0514, CSE-1	Business Capital, IPL Auction, Model Marathon, Genesis.
Krthik	23501A4245, CSM	Business Capital, IPL Auction, Model Marathon, Genesis.
Pranav	23501A4245, CSM	Business Capital, IPL Auction, Model Marathon, Genesis.
Jaswanth	23501A10506, IT-1	Business Capital, IPL Auction, Model Marathon,
Devi Vara Prasad	23501A0535, CSE-1	Business Capital, IPL Auction, Model Marathon, Genesis.
Prabath	23501A4202, CSM	Business Capital, IPL Auction, Model Marathon, Genesis.

Prize winners:

Name	Event	Secured
J. Viswa Tej	IPL Auction	1 st Prize
A. Prabath	IPL Auction	1 st Prize
D. Vara Prasad	IPL Auction	1 st Prize

ANY OTHER INFORMATION:

- 1) Mrs. P. Lakshmi Lavanya has submitted her Ph. D. thesis entitled “Social barriers in the selected novels of Nayantara Sahgal” in Acharya Nagarjuna University on 05-03-2024.
- 2) Dr. M. Shyam Sundar is conferred with the Best NSS Program Officer by JNTUK for the academic year 2022-23. Hon’ble Vice-Chancellor, Dr. G.V.R. PRASADA RAJU garu felicitated him in the Award Ceremony held at JNTUK on 27-03-2024.

5/1
3/4/24
Head

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