

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 August , 2025

FACULTY ACTIVITIES

a) Publications in refereed Journals:

SCI Indexed: Nil

Scopus Indexed :

1. Dr. T. Preethi Rangamani published a paper titled "Reusable Coconut Waste Derived Adsorbent For Effective Elimination of AS (III) and CR (VI) From Aqueous Solutions" in Rasayan J. Chem., 18(3), August 1736-1743(2025) ISSN:0974-1496
<http://doi.org/10.31788/RJC.2025.1839337>
2. Bethala Ramya, Jagadeeswara Rao Annam, V Sitamahalakshmi, V.V.Rama Krishna, K. Trinadha Ravi Kumar, Rednam S S Jyothi, Krishna Suresh B V N V7, Anil Kumar Pallikonda published a paper titled "Deploying lightweight mobile net models on edge devices for energy efficient real time ai in iot networks" in Journal of Theoretical and Applied Information Technology, Vol.103. No.11 June 2025 , ISSN: 1992-8645

Scopus - Conference Proceedings:

Swamy, B.V., Prasad, L.H., Shyam Sundar, M., ... Aarthi, R., Upadhyay, S., titled, "Experimental Evaluation Vitamin Deficiency Detection using Digital Image Processing based on Convolutional Deep Learning Strategy" in Proceedings of the 7th International Conference on Intelligent Sustainable Systems (Iciss) 2025, pp.797-804.
<https://www.scopus.com/pages/publications/105012215968>

c) Patents: Nil

d) Projects:

Projects applied :

1. Dr.G.Sreedevi as a **Project coordinator** Dr. Ratna kumari -ECE, Mr.A.Prashant -CSE, Dr.M.Silpa - FED as **Project members** Submitted a project proposal entitled Shaping Next Gen. Innovators Undergraduate Teaching Laboratory and Minor UG Programme Initiative under the National Quantum Mission testing to Quantum Technology Cell (QTC)

Division of Department of Science and Technology on 24-08-2025. Proposed Budget - 1,34,15,000.00 (One crore thirty four lakhs fifteen thousand rupees)

e) Books

Book chapter:

1. Dr. Shaik Rehena has published a book chapter titled “Adopting Technology-Based Cognitive Strategies to Improve English Proficiency of Engineering Students” in the book Innovation, Ethics and AI in Education, published by Authors Press (ISBN: 978-93-6095-917-3).Page no:43 to 49.
2. Dr. P.Lakshmilavanya has published a book chapter titled “Empowering education with Artificial Intelligence: Balancing innovation with Ethics” in the book Innovation, Ethics and AI in Education, published by Authors Press (ISBN: 978-93-6095-917-3).Page no:12 to 18.

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

Training Programs:

1. Dr. Lakshmi Tulasi, Dr.N.Usharani, Dr.M.Rudramma devi has completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by UGC-MMTTC, Maulana Azad National Urdu University, Hyderabad from 18th to 28th August, 2025.

Resource person :

- Dr. Dipti Jayasukhbhai Oza ,Faculty of Education & Psychology Maharaja Sayajirao University of Baroda.
- Dr. Madhu Deep Institute of Communication & Media Technology Kurukshetra University.
- Professor Dr. Rajni Singh Dept of Humanities & Social Sciences IIT Dhanbad

Workshops Attended: Nil

Papers presented in conferences /seminars :

1. Dr. M.Shyam Sundar, presented a paper titled, "Silences and Remembrances: A Digital Humanities Analysis of the Convincing Ground Massacre in Australian Literature" in the

“International Conference on Digital Humanities, Cognitive Linguistics & Contemporary Literatures”, organized by KL University in collaboration with University of Cambridge during 11-12 August 2025.

Webinars Attended: Nil

Guest lectures attended: Nil

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

Seminars Organized:

As a part of Wings Edition - 3, Talk series-1 : A one day seminar on “Indian Freedom Struggle” (Dramatic depiction of Independent India) was organized to all the I B.Tech. Students on 18-08-2025 to develop National Unity and Identity, Inspiration for Global Movements and Cultural Awakening.

Orientation Programmes Organized under Student Induction Programme

Student Induction Program Coordinators: Dr. Purna Chandra Rao , Dr. Pavani Peddi, Dr. Sk. Rehena, Dr. P. Lakshmi Lavanya, Dr. G.Raghavendra Ganesh, Mr. M. Naga Prasad

1. Universal Human Values course was conducted for I B. Tech. students From 04/08/2025 to 6/08/2025. **Course coordinator :** Dr.Sk.Rehana, **Course facilitators** Dr.G. Sreedevi Mrs. Y Pavani, Dr.M.Silpa, , Dr.P.Lakshmi Lavanya.
2. Literary and Cultural Club orientation was conducted for I B. Tech. Students by Dr.M. Rudrama Devi, Coordinator-Literary and Cultural Club & Assoc. Prof., FED on 07/08/2025
3. Dr. T. Preethi Rangamani and Dr. S. Lakshmi Tulasi conducted an Orientation session on Nutritional importance for Health and Wellness and introduced the Taste Up Telugu Tangs -Nutrition Fest on 07/08/2025
4. The Women Grievance Cell Orientation session was conducted for the I B.Tech Girl students by Dr.P.Adilakshmi and Dr.P. Lakshmi Lavanya on 07/08/2025
5. A Orientation session on Yoga is conducted for I B.Tech Students by Yoga Master Sri K.V.S.K Murthy on 07/08/25
6. UHV Orientation Program was conducted for I B. Tech. Students by Dr.B.Surya Prasad Rao, Assoc. Prof. ECE Dept. on 08/08/2025.
7. I B.Tech Students Visited Medical & Health Exhibition at Dr. Pinnamaneni Siddhartha Institute of Medical Sciences & Research Foundation on 08/08/2025
8. Art of Living session was conducted to I B.tech students on 11/08/25 to 12/08/25
9. I B.Tech students visited HEAL Paradise, Aagiripalli on 11/08/25 and 12/08/25.
10. NSS Orientation was given by Dr.M.Shyam sundar for I B. Tech. Students on 12/08/2025 NCC Orientation was given by Lt. Dr. M. Dhadurya Naik for I B. Tech. Students on 13/08/2025.

11. Institute innovation council orientation was conducted for I B.Tech students by Dr.V.Jagadish, Professor & HOD, Civil Engineering on 13/8/2025.
12. Gratitude to the Nation program was conducted for all I B.Tech Students on 18/08/25.
13. Cultural Performances by I B.Tech students was conducted on 18/08/25.
14. A two day seminar on “ The role of Innovation in Entrepreneurship was held for first year students on 19/08/2025 to 20/08/2025
Resource Person : Ms.S.Krishna Sowjanya
 1. Founder of Businest Consulting & Training
15. A One day workshop on “From Campus to Career: Life Skills Every Engineer Needs” was conducted on 21/08/2025
Resource Person: Dr.Murali Krishna,
 1. Professor of Civil Engineering,
 2. Former Vice Chancellor of JNTUK.
16. Disciplinary committee orientation was conducted for I B. Tech. Students by Dr. Ch.Padmanabha Raju, Chairman Disciplinary Committee & HOD, EEE Dept. on 22/8/2025
17. An Orientation program was conducted by the Controller of Examination Cell, Dr.M.S.R. Niranjan Kumar was conducted On 22/08/2025 to All I B.Tech Students.
18. A One day Seminar on Go Healthy was organised for I. B.Tech students by the Environmental Sciences faculty to create awareness on Gut health on 23/08/25 .
Resource Person: Dr.Vikram Annamaneni,
 1. Gastroenterologist, VZA.
19. A Nutrition Fest titled ‘Taste up Telugu Tangs’ – A Celebration of the Flavours of Andhra Pradesh was organized for I B.Tech students by the Environmental Sciences faculty on 23-08-2025..
20. A One day guest lecture on “ From classroom to commerce: Demystifying start up journey” on 20/08/25 for I B. Tech. Students. **Resource Person:** Mr.Sri Ramnath, CEO & Founder of Lippon group

Guest Lectures organized : Nil

Workshop Organized:

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

Student Activities:

1. A Nutrition Fest titled ‘Taste up Telugu Tangs’ – A Celebration of the Flavours of Andhra Pradesh was organized for I B.Tech student. Sixty-six teams participated, showcasing 97 varieties of traditional flavours at various stalls, and several teams won prizes

Branch	Name	Status	Iteam
CSE-4	T.YAMINI & T.DEDEEPPYA	First	Pulihora,Paramannam, Ravvaladdu,Sunnundalu
CSE-3	M.KOMALA & N.MAHITHA	Second	Gongura Pulihora Sunnundalu
CSE-3	K.GEETHIKA & M.INDHU	Third	Kobbari Burelu
CSM	K.VARSHITHA KAVYA & P.HARSHITHA SREE	First	Thatti Boorelu
CSM	P.UMAMAHESWARI D.ANUSHA	Second	Coconut Jelly
CSM	CH.RAJYA LAKSHMI& K.PRASANNA	Third	Sprouts Mix
CSD	P.HEMA SUSMITHA & P.SAHITHYA SREYA	First	Millet Chocolate
CSD	V.RESHMA & J.PADMINI	Second	Tamarind Mango Rice
CSD	P.POOJITHA & I.PALLAVI	Third	Murumura Mix, corn
CE	K.BHAVISHYA & T.ROSHI	First	Paysam Without sugar
CE	D.SMAYTHI & V.NIHARIKA	Second	Garrelu
CE	NIKITHA & YASMEEN	Third	Samosa
EEE	K.V.S.AKASH	First	Cake
EEE	P.NURJAHA & A.PRIYANKA	Second	Ragi Java
EEE	S.RAJA SRI & M.SRI SAI SRUTHI	Third	Sweet Corn
ECE-1	TEJJORAMANI & BABY SIRISHA	First	Rawa Kesari,Rawa Pulihora
ECE-1	CH. SIDDHARTHA HARSHA & NISHANTH	Second	Sjja Boorelu

ECE-II	M.DHEERAJ & S.TARUN KUMAR	Third	Badam Milk Ragi Sangathi
ME	S.SUMANTH& K.SIVA RAM PRASAD	First	Upma Pesrattu
ME	K.BHARATH & P.JAGADEESH	Second	Muntha Masala
ME	CH.SAI TEJA & S.RAGHU RAM	Third	Lemon soda
IT	G.UDAY KIRAN	First	Boorelu
IT	P.MANI DEEPAK & M SHARATH	Second	Badam Milk
IT	CH.SUJATHA & E.NEELIMA	Third	Panakam

2. Gratitude to the Nation program was conducted for all I B.Tech Students on 18/08/25. Poster Presentation was conducted for the students, Total of 62 teams participated and several Participants got prizes

Branch	Name of the student	Branch	Name of the student
CSE-1	A.Azeem	CIVIL	U.Sai Vimal Kumar
CSE-2	K.Lalitha	EEE	K.Pranaw
CSE-3	Rohini, jahnavi Rishitha, N.Jahrani M.Kusumitha	ECE-1	A.Tasleema
CSE-4	Y.Keerthi	ECE-2	M.Navya Sri
CSM	P.Harshitha sree K.Varshitha Kavya	CIVIL	D.Smaythi V.Niharika
CSD	K.Yasaswini	CIVIL CSD CSE	G.Bhavya Y.Chandrika CH.Ashritha CH.Bhargavi

IT-1	CH.Varshitha	IT-2	P.Mani Deepak M.Sarath Chandra
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Outside the Institution: Nil

Other information:

Dr A. Purnachandra Rao reviewed a research paper for the journal, “Swarm and Evolutionary Computation” (SCIE & SCOPUS) on 29th August, 2025.

Dr. M. Srilakshmi

(HOD - FE)