

**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 APRIL, 2025**

**FACULTY ACTIVITIES**

**a) Publications in refereed Journals:**

**SCI Indexed:**

1. Mr. T. Pullarao, Dr. G. Sreedevi published a paper titled "Influence of ZnO Ions on Micro-structural and Luminescence Properties of Host-lattice (CuO–ZrO<sub>2</sub>) Nano Hybrid" in ECS Journal of Solid State Science and Technology. 2025 14 047012 2162-8777.
2. E.Ramanjaneyulu, G.Sreedevi, K.Venkatarao published a paper titled "Exploring molecular interactions in active amyl alcohol-haloalkane systems through thermodynamic properties and Jouyban–Acree correlation" in *Physics and Chemistry of Liquids*, 63(2), pp. 272-288, ISSN NO: 0031-9104 (print) and 1029-0451 (online).

**Scopus Indexed :NIL**

**Scopus - Conference Proceedings: Nil**

**Conference Proceedings:**

1. V. Saranya, G. R. K. Murthy, Purnachandra Rao Alapati, M. Mythili, K. Swarnamughi and B. K. Bala, "Optimizing English Lexical Databases with BERT and Reinforcement Learning," 2025 Fifth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), 09-10 January, 2025, Bhilai, India, pp. 1-5, ISBN: 979-8-3503-5623-6; (IEEE Xplore)
2. V. M. Jayakumar, R. Rajakumari, Purnachandra Rao Alapati, S. Otero-Potosi, D. N. Malleswari and M. Karthik, "Enhancing English Language Assessment in Educational Settings using Natural Language Processing Techniques," 2025 3rd International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC), Silchar, India, 27-28 February 2025, pp. 438-443. ISBN: 979-8-3315-2389-3; (IEEE Xplore)

**b) Patents:**

1. Dr. M.Rudramma Devi has published a patent titled HAND-SQUEEZED MANGO JUICER FOR EFFICIENT EXTRACTION OF MANGO JUICE“ on 18/04/2025. Application No. 202541032482.

**c) Projects: Nil**

**d) Books:**

Dr. A. Purnachandra Rao published a book titled, "Chandra Darshanam" by Sri Sri Printers, Vijayawada, April, 2025. ISBN. 978-93-342-7220-8.

**Others: Nil**

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

**Faculty Development programme:**

- 1) Dr.PavaniPeddi, has in the participated in the 6 day International Faculty development program on "Eco-friendly Innovations :Securing, water Energy and the environment for a sustainable future organized by dept of chemistry, SRM Institute of science and technology,Ramapuram,chennai -89 in Association with Association chemistry Teachers (ACT),Mumbai from 7th April to 12th April 2025. NIRF Rank:12

Resource Persons: Dr.ShivenduMahata, Associate Editor Scientific Report, Associate Editor Journal of Circuits, Systems, and Computers, BC Roy Engineering College, WB.Dr. Mohan Rao, Associate Editor of IEEE Transactions on Dielectrics and Electrical Insulation ,Research Scientist, General Electric.Dr. AnkitPandey,Associate Editor Scientific Report,Bennett University, Greater NoidaDr. Rajesh N V P S. Kandala, Associate Editor PLOS One, VIT-AP University.Dr. Sandeep Biswal, Associate Editor IET Generation, Transmission &Distribution,OP Jindal University, Raigarh

- 2) Dr.G.Raghavendra Ganesh participated in Seven days National Faculty Development program on 'Advances in Nonlinear Dynamics and applications in Engineering (ANDAE-2025)(Online mode) Organized by Department of Mathematics of SRM Institute of Technology, Ramapuram from 21-04-2025 to 28-04-2025. NIRF Rank:12

Resource Persons:

1. Prof.S.Saravanan, Prof& HOD of Bharathiyar university
2. Prof .VeerappaGowda, Professor, Mahindra University
3. Dr.K.Latha, Research Scientist, CSIR- CLR Chennai
4. Prof ManoranjanMishra , IIT Ropar
5. Dr.M.Logesh, Chosun University
6. Prof.DharmendraThripati, NIT Uttarakhand
7. Dr.K.Tirumalaisamy, Korea institute of Energy technology

Others:

- 1) Dr.LakshmiLavanya Potturi, Dr.A.Purnachandra Rao & Dr.M.Syamsundar completed a one-week Faculty Development Programme on 'Outcome

based Education (FDP-OBE) from 21st - 26th April, 2025 in hybrid mode organized by Nagar college, Nagar, Murshidabad.

Resource Persons: Dr.Subhram Das, Associate Professor and HOD Computer science, Narula Institute of Technology; Dr.Sabyasachi Sen, Principal, Shyampur Siddheswari Mahavidyalaya; Dr.Papun Biswas, Principal, Nahata Jagendra Nath Mondal Smriti Mahavidyalaya; Dr.Koushik Sarkar, Asst.Professor Department of ECE, Narula Institute of Technology; Dr.Anilesh Dey, Principal, Nagar College; Dr.Surajit Bari, Principal, Sagar Mahavidya

- 3) Dr.P.Lakshmi Lavanya, Dr.Sk.Rehena, Dr.A.Purnachandra Rao & Dr.M.Rudrama Devi participated in a five-day Virtual Faculty Development Program on “Modern Techniques in Teaching English Language and Literature” organised by the Department of English, P.B.Siddhartha college of Arts and Science, vijayawada from 07-04-2025 to 11-04-2025.

Resource Persons: Dr.Parvathi Vudumula, JNTUH, Hyderabad; Dr. M. Udaya, EFLU, Hyderabad; Dr. Kona Prakash, Former Professor, EFLU, Hyderabad; Dr Prakash Mondal, IIT Hyderabad; Prof.Sumita Roy, Osmania University, Hyderabad.

- 4) Dr. P. Padmaja, Dr.Sk.Rehena, Dr.M.Silpa has participated in One Day Online Faculty Development Program on “Intellectual Property Rights (IPR)” held on 28th April 2025, organized by Department of Business Administration in association with Internal Quality Assurance Cell (IQAC), PVPSIT. Resource Persons: 1. Dr. Lakshmi Santhi, Hyd, Dr.Umesh Hyd

### **Training Programs:**

1. Dr. Lakshmi Lavanya Potturi, 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 1st to 11th April, 2025.

**Resource Persons:** 1.Prof.Rajesh Dubey, Director, UGC-MMTTC

2.Dr.Meraj Ahmed Mubarki, Maulana Azad National university.

2. K. KIRAN KUMAR has completed the Eight days online NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre (MMTTC), Staff Training and Research Institute of Distance Education (STRIDE), Indira Gandhi National

Open University (IGNOU), New Delhi from 27th March to 8th April, 2025 and obtained Grade 'A+'.

**Resource Persons:**

1. Dr.Kiran Rani, Central University of Haryana.
2. Dr. G. Mythili, Adl. Director, STRIDE, IGNOU
3. Dr. Tata Ramakrishna, STRIDE, IGNOU
4. Prof.VandanaPunia, Guru Jambheshwar University of Science and Technology, Hisar
5. Prof.KiranHazarika, Pro-Vice Chancellor,Central University of Punja

**Workshops Attended: Nil**

**Papers presented in conferences /seminars : Nil**

**Webinars Attended: Nil**

**Guest lectures attended: Nil**

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

**Seminars Organized:**

1. As a part of Wings Talk Series:12 a one day Seminar on "*Beyond the Books: Skills That Shape Success*" is organised to all the I B.Tech. Students to cultivate soft skills and real-world competencies alongside academic excellence, on 04.04.2025.

**Resource Person:**Mr.AppajiReddem Resident Editor & Chief of Bureau,  
The Hindu.

**Guest Lectures organized : Nil**

**Workshop Organized: 01**

A Ten Day workshop on "Student innovation and Entrepreneurship" was organized for I B. Tech. Students from 26-03-2025 to 05-04-2025. A total of 72 Students participated

**Resource Person:** Mrs.KishnaSowjanya, Founder Business Consulting and Training,Rajahmundry

**Organizer:** Dr. M. Srilakshmi,  
Professor & HOD, FED

**Faculty Co-ordinators:** Mr. P. Ramakoteswara Rao, Asst. Professor, Mr. T. Pullarao,  
Asst. Professor

**g) Certification programs (NPTEL / Coursera / edX etc.):**

## h) Student Activities

### Student Activities within the college

#### Organized and participated events :

I B. Tech. students participated in A Ten Day workshop on “Student Innovation and Entrepreneurship” from 26-03-25 to 05-4-25. As a part of this workshop students organized “UDYAVISHK 2K25” a Two - Day Innovation and Entrepreneurship Event.

#### Student Co-ordinators:

1) Ch Joshua Eliazar24501A0541	7) P Pavani 24501A05G8
2) T Yashwant 24501A05n9	8) K Ruthika 24501A4224
3) K Siddhartha24501A0586	9) V Gayathri 24501A05O6
4) R UdayKiran 24501A05J1	10) G V S HasiniChandana 24501A0552
5) N Daiva 24501A0481	11) P Dimple Hasini 24501A0549
6) A Naveen Kumar 24501A0303	12) P CharviSree 24501A12A4

#### Events Organized in “Udyavishk-2K25”:

<b><u>Brain Spark:</u></b> 1) S. Lakshmi Pallavi-24501A05L9 2) M. P. Sanjay-24501A05E8 3) S. NidhiKumari- 24501A05L5 4) V. KomalaHasini-24501A05P0 5) Md. AthiqMuskan-24501A1284 6) Sk. AmatulAleenMunazzaa- 24501A05K6 7) Md. HaseebBasha-24501A05E1 8) K. Mohith Siva Kumar- 24501A1255	<b><u>Treasure Trackers:</u></b> 1. Y.Mahalakshmi-24501A05P7 2. G.Namitha-24501A1229 3. A. Navya Sri -24501A1201 4. M.Rishika- 24501A0234 5. P.Ishwarya- 24501A0246 6. K .Neelima -24501a1260 7. A.Pallavi-24501A0407	<b><u>Visionary Vangaurds:</u></b> 1. Ch. V. S. Nikhilesh- 24501A0532 2. A. M. Priyanka- 24501A0508 3. Rishu kumar-24501A4246 4. B. Anusha-24591A0514 5. N. Varshith-24501A05G0 6. B. Mohith-24501A0519 7. Ch. Prasanth-24501A0540 8. D. Srinivasa Bhavya- 24501A0545
<b><u>Colour Fusion:</u></b> 1) B.YaswaniPriya -24501A4211 2) P.Pavani -24501A4243 3) Y.balakrishna - 24501A4265 4) K.harshitha- 24501A4230 5) R.srisatyapooja - 24501A4254 6) K.pavithra - 24501A0224 7) R.shanthavardhan- 24501A4449 8) G.Dhanesh - 24501A0556	<b><u>Rising Icons:</u></b> 1) Dinesh kartikeya - 24501A0486 2) Mani Santosh- 24501A0424 3) Harshal - 24501a4235 4) K.Sandeep-24501A1254 5) PavanTeja - 24501a4222 6) Raj Kiran - 24501A0240 7) Saifulla - 24501A04B3	<b><u>Creative Crew:</u></b> 1) B.V.N.S.Rohitha-24501A0524 2) B.Anitha-24501A0525 3) M.Himesh-24501A05D5 4) Sk.Sulaman-24501A0255 5) G.Anushka-24501A1234 6) P.Harshita-24501A0494 7) P.Rohitha Varsha- 24501A0492

<b><u>Spot Light Squad:</u></b> 1) K. Yaraswi-24501A0595 2) T. Swetha -24501A04B5 3) P. Sanjana- 24501A0498 4) K. M. S. Priya -24501A1256 5) A. Sushumna Durga-24501A0501 6) ShaikAafrinaFirdose - 24501A12B2 7) B. Jahnavi - 24501A0530 8) K. HemaSivani - 24501A0591	<b><u>Chill Mates:</u></b> 1) Sk. Tasmiya - 24501A05L6 2) A. Kalpana - 24501A0509 3) P. Harshitha - 24501A0491 4) O. Vardhan - 24501A0488 5) N. Jaswanth - 24501A0241 6) D. Sai Ram Ajay -24501A0425 7) G. Ramanjali - 24501A1235	
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**Prize Winners of Various events in “Udyavishk-2K25”:**

**Entrepreneurs gallery**

1 <sup>st</sup> Prize	2 <sup>nd</sup> Prize	3 <sup>rd</sup> Prize
<b><u>Visionary Vangaurds:</u></b> 1. Ch.V.S.Nikhilesh-24501A0532 2. A.M. Priyanka-24501A0508 3. Rishu kumar-24501A4246 4. B.Anusha-24591A0514 5. N.Varshith-24501A05G0 6. B.Mohith-24501A0519 7. Ch.Prasanth-24501A0540 8. D.Srinivasa Bhavya-24501A0545	<b><u>Spot Light Squad:</u></b> 1. K.Yaraswi-24501A0595 2. T.Swetha -24501A04B5 3. P.Sanjana- 24501A0498 4. K.M. S. Priya -24501A1256 5. A. Sushumna Durga-24501A0501 6. ShaikAafrinaFirdose - 24501A12B2 7. B. Jahnavi - 24501A0530 8. K. HemaSivani - 24501A0591	<b><u>Team Co-ordinators:</u></b> 1. T.Yashwanth –24501A05n9 2. K.Ruthika– 24501A4224 3. P.Pavani–24501A05G8 4. R.UdayKiran—24501A05J1 5. V.Gayathri–24501A05O6 6. A. Naveen Kumar –24501A0303 7. N.Daiva–24501A0481 8. K. Siddhartha – 24501A0586 9. G. V. S.HasiniChandana–24501A0552 10. P.CharviSree–24501A12A4 11. Ch. Joshua Eliazer–24501A0541 12. Dimple Hasini–24501A0549

**Brain Spark:**

1 <sup>st</sup> prize	2 <sup>nd</sup> prize	3 <sup>rd</sup> prize
1) NDevi Sailaja – 24501A1297 2) L LasyaPriya – 24501A1270	1) Y AbhinavKoushik - 24501A05Q2 2) V LikithSai - 24501A05P2	1) SBhargavSai- 24501A05K2 2) Surya Teja - 24501A05K1

**Treasure Trackers:**

1 <sup>st</sup> prize	2 <sup>nd</sup> prize	3 <sup>rd</sup> prize
1) ChSatyaVenkataHemanth - 22501A0529 - 3rd year	1) K Monita - 24501A1256-1st year	1) J Manaswi -24501A1244-1st year

2) ChMohit - 22501A0530 - 3rd year	2) K Ysaswi - 24501A1059 -1st year	2) I Sravya -24501A1239-1st year
3) A Hemesh - 22501A0504 - 3rd year		
<b>4<sup>th</sup> Prize</b>		
1) D PrabhuPratap - 24501A1223-1st year		
2) G Yashwanth -24501A1230-1st year		

Student participation outside the Institution: Nil  
Other information:Nil

  
Dr. M. Srilakshmi

(HOD - FE)

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