

**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, 2025**

**FACULTY ACTIVITIES**

**a) Publications in refereed Journals:**

**SCI Indexed: Nil**

**Scopus Indexed :**

1. Purnachandra Rao Alapati, A. Swathi, Jillellamoodi Naga Madhuri, Vijay Kumar Burugari, Bhuvaneshwari Pagidipati, Yousef A. Baker El-Ebiary and Prema S, "Improving English Writing Skills Through NLP-Driven Error Detection and Correction Systems" International Journal of Advanced Computer Science and Applications (IJACSA), 16(2), 2025. ISSN: 2156-5570, pp. 1098 – 1110.
2. Tatavarti Bhagya Kumar, Usha Rani N., Tangeti Venkata Swamy and Tulasi Bhavani K. 'Chiral LC method development for stereo-selective separation and quantification of Ivosidenib and its S,R and R,R isomeric impurities in drug substance and finished product', Research Journal of Chemistry and Environment Vol. 29, Issue (4), April (2025) ISSN NO-0972-0626 <https://doi.org/10.25303/294rjce079085>.
3. Dr.S.Lakshmi Tulasi , Sustainable Plant Growth Promotion And Seed Germination Via Ficus Exasperate Leaf Extract, Characterization Of Green Synthesized Magnesium Oxide Nanoparticles Rasayan journal of chemistry Vol. 18 | No. 1 |367-372| January-March 2025 ISSN: 0974-1496, <http://doi.org/10.31788/RJC.2025.1819171>.

**Scopus - Conference Proceedings: Nil**

**Conference Proceedings: Nil**

**b) Patents:**

1. Dr.P.Lakshmi Lavanya has published a patent titled "Social Learning Strategies (sls) and their influence on English language Development in undergraduate learners of A.P." on March 2025.
2. Dr.Sk.Rehena has published a patent titled "Leveraging TECH-enabled cognitive strategies for improving english proficiency in Rural Background Engineering (RBE) students" on 28-03-2025.

**c) Projects: Nil**

d) **Books/ Book chapters:** Nil

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

**Faculty Development programme:**

1. Mrs. T. Krishna Sree has completed the Online Faculty Development Programme on Research Writing for Educators under **Malaviya Mission Teacher Training Programme** (MM-TTP) of University Grants Commission (UGC) Organized by Centre for Faculty Development & Educational Technology (CFDET), Indian Institute of Technology (BHU) Varanasi from 17-22 February, 2025.

**Resource Persons:**

1. Dr. Nagendra Yadav, Professor, Hubei University of Science and Technology.
  2. Dr. Prashant Shukla Professor, IIT (BHU).
  3. Dr. Prasanta Kumar Panda, Professor, HOD, Humanistic Studies, IIT (BHU)
2. Dr. T. Preethi Rangamani has participated in faculty development programme on “Applications of Matlab in Civil Engineering” sponsored by Ministry of Electronics and Information Technology, Government of India, organised by *E&ICT* Academy NIT Warangal from 17th February to 27th February-2025. NIRF:21

**Resource Person:**

1. Prof. Shasank Pathak, IIT, Mandhi
2. Prof. K. SrinivasaRaju, BITS, Hyderabad.

**Others:**

1. Dr. M. Rudrama Devi, Dr. Silpa Mandava, Dr. N. Usha Rani, Dr. Sk. Rehena, Dr. Pavani Peddi, Dr. G. Sreedevi, Dr.P.Lakshmi Lavanya, Mrs. T.Krishna Sree, Dr. V. Sitamahalakshmi, Dr.V.Siva Naga Malleswari, Dr.P.Padmaja has participated in a Five day Women Faculty Development Program On Health Happiness and Well-Being organized by Freshman Engineering Department and IQAC, in collaboration with The Art of Living from 9.3.2025-13.3.2025.

**Training Programs:**

1. Dr. Alapati. Purnachandra Rao, 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 17th to 26th February, 2025.

**Resource Persons:** 1. GRK Murthy, ICAR, Hyderabad; 2. Preethi K. Suresh, Ravishankar Shukla University, Assistant Professor, Raipur; 3. Dr Bhasheer Ahmad, Principal, College of Education, Palamuru University; 4. Prof. Naushad Alam, Aligarh Muslim University, UP; 5. Prof. Abhigyan Bhattacharjee, Department of Management, North Eastern Hill University, Tura Campus, Meghalaya (India); 6. Prof. Anisur Rahman, Centre for West Asian Studies, Jamia Millia Islamia, New Delhi; 7. Prof. Sanjeev Sharma, University Institute of Applied Management Sciences, Punjab University, Chandigarh; 8. Nidhi S Sabharwal, Associate Professor, National Institute of Educational Planning and Administration (NIEPA); 9. Dr KR Maruthi, Associate Professor of Botany, Maulana Azad National Urdu University, Hyderabad.; 10. Prof. S.N. Hasan, Maulana Azad National Urdu University, Hyderabad.

2. Dr.G.Raghavendra Ganesh attended 5 day online short term training program on ‘applications of python and R Programming in Engineering, Science, and Management’ organized by department of Mathematics, association with CTL, NIT Warangal during 27th to 31st January 2025. NIRF:21

**Resource Persons:** .1. Dr.J.V.RamanaMurthy, NIT Warangal

2. Dr.Y.Sreenivasa Rao, NIT Warangal
3. Dr. Ramesh Anbanandam, IIT Roorkee
4. Prof.M.Krishna Prasad, NIT Raipur
5. Sanjay Kumar Panda, NIT Warangal
6. Prof Rizwan Rehman, Dibrugarh University
7. Prof Bala Prakasarao Killi, NIT Warangal.

3. G.Kiran kumar, A.Chandra Sekhara Babu, P.Ramakoteswara Rao, Y.Pavani 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 17th to 26th March, 2025.

**Resource Persons:** 1.Dr. Nilanjana Ray Tata Institute of Social Science Hyderabad; 2.Prof.Saroj BalaDean Academic (Retd) NCERT, New Delhi; 3.Prof. Ranjendra Kumar Pandey Dept of Political Science CH. Charan Singh University; 4.Prof Mohammad Fariyad Dean, School of Mass Communication & journalism MANUU; 5.Prof. Harjeet Kaur Bhatia Jamia Milia Islamia New Delhi; 6.Prof. Mushtaque Ahmed Darzi Dept of Management Studies University of Kashmir; 7.Pro, Krishna Kumar Osmania University Hyderabad; 8.Prof. Rajni

Singh Indian School of Mines, IIT, Dhanbad; 9.Dr. Yogendra Pal NIIT University, Alwar ; 10.Prof Arshad Ikram Ahmed Jamia Milia Islamia New Delhi

**Workshops Attended:**

1. Dr. G. Sreedevi, Dr. Silpa. Mandava, M. Nagaprasad, T.Pullarao attended a five day international online workshop on Nanostructured optoelectronic materials for future technologies NOMFT-2025 under SPARC organised by department of physics NITW from 4th to 8th march 2025.

**Resource Persons:** Prof. Yogendra Kumar Mishra, University of Southern Denmark, Denmark, Prof. Sebastian Lourdudoss, KTH- Royal Institute of Tech. Sweden.

2. Mrs. T. Krishna Sree, Mr. M. Naga Prasad, has attended the Two Day Workshop on “Research Methodology” organized by Image Processing and Computer Vision Research Group, Department of Computer Science and Engineering, Siddhartha Academy of Higher Education (An Institution Deemed to be University) under IEEE Professional Society conducted on 17th & 18th March, 2025.

**Resource Person:** Dr. Y.V. Pavan Kumar, Professor, School of Electronics Engineering, VIT AP.

**Papers presented in conferences /seminars :**

1. Mr.T.Pullarao attended and presented a paper title “ Hydrothermally grown CdS activated CuO-ZrO<sub>2</sub> Nanohybrids : Structural and Luminescence properties in UGC Sponsered National seminar on Emerging Trends and Advances in Multi Functional materials organized by Department of physics, ANU, Guntur on 20th and 21st march 2025

**Webinars Attended:**

1. Dr. Alapati. Purnachandra Rao attended a webinar on “Assessing writing skills for B2 First for Schools and C1 Advanced” by Olha Madylus and Sarah Ellis on 13<sup>th</sup> March, 2025, Cambridge University Press.

**Guest lectures attended: Nil**

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

**Faculty Development organized:**

1. A Five day Women Faculty Development Program On Health Happiness and Well-Being was organized by Freshman Engineering Department and IQAC, in collaboration with The Art of Living from 9.3.2025-13.3.2025 Resource person: Mr.Anoop GR,

**Convenors**

Dr. M. Srilakshmi, HOD, FED

Dr. B. Raghu Kumar, HOD, ME & IQAC Coordinator

**Coordinators**

Dr. S. Lakshmi Tulasi, Asst. Prof.  
Dr. T. Preethi Rangamani, Asst. Prof.

2. **Dr. M.Shyam Sundar** has organized a **State-Level Meeting on Exchange of ToR with BCDE-AP & Felicitation Ceremony** for 155 Engineering students who served as ATL Mentors from 31 Engineering colleges affiliated to JNTU-A, JNTU-K and JNTU-GV; the concerned Principals and Faculty Mentors; along with officials from UNICEF, Samagra Shiksha, Vigyan Ashram on 19-03-2025. The event is sponsored by UNICEF and Samagra Shiksha with an amount of Rs.2,47,000/-.

#### **Seminars Organized: 01**

1. As a part of Wings Talk Series:11 a one day International Seminar on “*Exploring the Future: AI and More....*” is organised to all the I B.Tech. Students spark the curiosity and the understanding of AI and related technologies among the participants on 06.03.2025.

**Resource Person:** Anusha Sabbineni, Solutions Architect, Generative AI,  
Google USA.

#### **Guest Lectures organized : 02**

1. A guest lecture on “Sustainable Energies” was organised by the faculty of Chemistry, Freshman Engineering Department on 29–3-25.

**Resource Person: Prof. Subrahmanyam Ch, IIT Hyderabad**

2. A guest lecture on “Differential Equations and Vector calculus” was organized by the faculty of mathematics, Freshman Engineering Department on 29-3-25.

**Resource person: Prof.J.V.Ramana murthy, NIT Warangal**

#### **Workshop Organized: Nil**

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

#### **Student Activities:**

The faculty of mathematics has organised the following events for I B.Tech students

##### **1. Event: Quiz on General Mathematics(22/3/2025)**

Coordinators: Dr.V.S.N.Malleswari

Mr.A.C.S.Babu

Total number of students participated:137

Prize winners list:

| S.No | Name of the student | Regd. NO   | Branch | Prize |
|------|---------------------|------------|--------|-------|
| 1    | K.Bhargav Sai       | 24501A0520 | CSE-I  | I     |

|   |  |  |        |     |
|---|--|--|--------|-----|
|   | B.Yaswanth<br>Ch.Nikhilesh             | 24501A0527<br>24501A0532               |        |     |
| 2 | E.Monika<br>B.Anitha<br>Ch.Vijitha Raj | 24501A0551<br>24501A0525<br>24501A0543 | CSE-I  | II  |
| 3 | L.Charitha sri<br>K.Likitha            | 24501A05B9<br>24501A05B5               | CSE-II | III |

**2. Event: Essay writing competition on “Emerging technologies in Mathematics” for Ist B.Tech. students. (21/3/2025)**

Name of the Co-ordinators: Dr. P. Padmaja, Dr. G. Kiran Kumar

Total number of students participated in this event are : 21

Prize winners list

| S.No | Name of the student | Regd. NO   | Branch | Prize |
|------|---------------------|------------|--------|-------|
| 1    | K.Hema Sivani       | 24501A0591 | CSE-II | I     |
| 2    | P.Ishwarya          | 24501A0246 | EEE    | II    |
| 3    | Y.Dedeepya          | 24501A12D0 | IT-II  | III   |

**3. Event: Poster presentation competition on “Emerging technologies in Mathematics” for Ist B.Tech. students. (26/03/2025)**

Name of the Co-ordinators: Dr. V. Sita Mahalakshmi, Dr. M. Prameela

Total number of students participated in this event are : 10

Prize winners list

| S.No | Name of the student               | Regd. NO                 | Branch            | Prize |
|------|-----------------------------------|--------------------------|-------------------|-------|
| 1    | K.Hema Sivani<br>R. Praveen Kumar | 24501A0591<br>24501A05J2 | CSE-II<br>CSE-III | I     |
| 2    | M. Durga Reshma<br>P. Bhanu Srija | 24501A0475<br>24501A0492 | ECE-II<br>ECE-II  | II    |
| 3    | V. Teja<br>T. Pavan Naga Kalyan   | 24501A04C4<br>24501A04B7 | ECE-II<br>ECE-II  | III   |

**4. Event: Elocution competition on “Emerging technologies in Mathematics” for Ist B.Tech. students. (21/03/2025)**

Name of the Coordinators: Mr.K.Kiran Kumar ,  
Dr.G.Raghavendra Ganesh

Total no of Participants: 9

Details of Prize Winners:

| S.no | Name of the student        | Reg.no     | Branch-Section | Prize  |
|------|----------------------------|------------|----------------|--------|
| 1.   | Sk.Amatul Aleem<br>Munazza | 24501A05K6 | CSE-4          | First  |
| 2.   | D.Thrisha                  | 24501A0547 | CSE-1          | Second |
| 3.   | Kesana. Hema Sivani        | 24501A0591 | CSE-2          | Third  |

**Student participation with in the Institution:**

| S.No | Name of the Student | Roll Number | Branch | Name of the event participated    | Date of the Event | Details of Event organization | Prizes won    |
|------|---------------------|-------------|--------|-----------------------------------|-------------------|-------------------------------|---------------|
| 1    | Vulli Rithvik Kumar | 24501A04D0  | ECE    | Startup ideas Competition         | 27-03-2025        | ED Cell,P VPSIT               | Participation |
| 2    | J Pavan Kumar       | 24501A0577  | CSE    | Singing competition in sitar 2k25 | 22-02-2025        | SITAR , PVPSIT                | Participation |
| 3    | Manda. Nirmala      | 24501A1275  | IT     | Superhero and Anime quiz          | 08-03-2025        | Student council ,PVPSIT       | Participation |
| 4    | Ambati Sumathi      | 24501A0506  | CSE    | INDIA QUIZ                        | 07-03-2025        | Student council ,PVPSIT       | Participation |
| 5    | Ambati Sumathi      | 24501A0506  | CSE    | Superhero & Anime quiz            | 08-03-2025        | Students council              | participation |

|    |                       |            |     |                                      |            |                                     |               |
|----|-----------------------|------------|-----|--------------------------------------|------------|-------------------------------------|---------------|
|    |                       |            |     |                                      |            | ,PVPSIT                             |               |
| 6  | Yandamuri Dedeepya    | 24501A12D0 | IT  | Superhero and anime quiz             | 08-03-2025 | Student Council, PVPSIT             | Participation |
| 7  | Yandamuri Dedeepya    | 24501A12D0 | IT  | Startup Idea competition             | 27-03-2025 | ED Cell, PVPSIT                     | participation |
| 8  | Yandamuri Dedeepya    | 24501A12D0 | IT  | Emerging Technologies in Mathematics | 21-03-2025 | Faculty of Mathematics, FED, PVPSIT | Third prize   |
| 9  | Kodimela Naga Yasaswi | 24501A0595 | Cse | Logo quiz                            | 04-03-2025 | Student council, PVPSIT             | Participation |
| 10 | Kodimela Naga Yasaswi | 24501A0595 | Cse | Superhero quiz                       | 08-03-2025 | Student council, PVPSIT             | participation |
| 11 | Ch. Joshua Eliazar    | 24501A0541 | CSE | Science quiz                         | 03-03-2025 | Student council, PVPSIT             | Third Prize   |
| 12 | Ch. Joshua Eliazar    | 24501A0541 | CSE | Logo quiz                            | 04-03-2025 | Student council, PVPSIT             | participation |



|    |                         |            |       |            |            |                         |               |
|----|-------------------------|------------|-------|------------|------------|-------------------------|---------------|
| 13 | Ch. Joshua Eliazer      | 24501A0541 | CSE   | India quiz | 05-03-2025 | Student council, PVPSIT | participation |
| 14 | Ch. Joshua Eliazer      | 24501A0541 | CSE   | Film quiz  | 06-03-2025 | Student council, PVPSIT | participation |
| 15 | Vulli Rithvik Kumar     | 24501A04D0 | Ece   | Buzz quiz  | 27-03-2025 | ED Cell, P VPSIT        | Participation |
| 16 | Jahn timer vangavarapu  | 24501A0574 | CSE 2 | Logo quiz  | 05-03-2025 | Student council, PVPSIT | Participation |
| 17 | Jahn timer vangavarapu  | 24501A0574 | CSE 2 | QUIZ       | 08-03-2025 | Student council, PVPSIT | participation |
| 18 | K.Tulasi Naga Tejaswini | 24501A05A5 | CSE   | Logo Quiz  | 04-03-2025 | Student council, PVPSIT | Participation |

**Student participation Outside the Institution: Nil**

**Other information:**

Dr. M. Shyam Sundar has received Appreciation Certificate from UNICEF, APSCHE, BCDE-AP, Samagra Shiksha and Vigyan Ashram for successfully coordinating ATAL TINKERING LAB MENTORSHIP PROGRAM during 2024-25.

  
Dr. M. Srilakshmi

**(HOD - FE)**

Head

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