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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, 2024

FACULTY ACTIVITIES

a. Publications in refereed Journals:

SCI indexed: NIL

SCIE indexed: NIL

1. Ramadevi Suguru Pathinti, Sunil Gavaskar Dasari, Buchaiah Gollapelli, Sreedevi Gogula, Ramaṇa Reddy M. V., Jayalakshmi Vallamkonda published a paper titled "Enhanced Ethanol Gas Detection using TiO₂ Nanorods Dispersed in Cholesteric Liquid Crystal: Synthesis, Characterization, and Sensing Performance" in *Journal of Alloys and Compounds*, Volume 994, 5 August 2024, 174731 with Impact factor: 6.31.

Scopus indexed:

1. Bhupatiraju, R.V., Peddi Pavani., Edla, S., Rekha, K., Kasimala, B.B.Green published a paper titled "Analytical Approach for HPLC Method Development for Quantification of Sorafenib and Its Pharmacopeia Impurities: LC - MS/ MS Characterization and Toxicity Prediction of Stress Degradation Products" in *Separation Science Plus*, Vol: 7, Issue: 9, September 2024, Impact factor: 1. 3, <https://doi.org/10.1002/sscp.202400106>

ESCI indexed & UGC-CARE:

SCOPUS- Conference Proceedings: NIL

b) Patents: NIL

c) Projects: NIL

d) Books/ Book Chapters:

- 1) Dr. P. Lakshmi Lavanya presented and published a paper entitled "The influence of English language proficiency on academic achievement among international students in higher education" in International Virtual Conference on "Perspectives from Basic Sciences and Humanities" NEC-IVCPBSH-2024 from 19th & 20th July 2024, ISBN NO: 978-93-91420-50-5, Page No:119-128.
- 2) Dr. Sk. Rehena presented and published a paper entitled "The influence of English language proficiency on academic achievement among international students in higher education" in International Virtual Conference on "Communication-Universe" NEC-IVCPBSH-2024 from 19th & 20th July 2024, ISBN NO:978-93-91420-50-5, Page No:188-195.

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

1. Dr. Sreedevi Gogula, Dr. P.Padmaja, Dr. M. Prameela, Dr. T. Preethi Rangamani, Mrs. T.Krishna Sree, Mr. T.Pullarao have 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 5th to 14th, August, 2024.

Resource persons:

1. Dr. Md. Abdul Raffey, Assistant Director, UGC- MMTTC.
2. Dr. Babasaheb, Assistant Professor, Ambedkar Marathwada University.

2. K. Kiran Kumar has participated in the Short Term Course on MOOCS under Malaviya Mission Teacher Training Centre (MMTTC) of University Grants Commission (UGC) Organized by UGC-MMTTC, Mizoram University, Aizawl, Mizoram held on 22nd to 28th, August, 2024.

Resource person(s):

1. Prof. Ajoy Kumar Khan, Department of Computer Engineering. Mizoram University, Aizawl, Mizoram
 2. Prof. Rajib Mohan Pant, Vice Chancellor, Assam Central University
 3. Dr. Habbiba Hussain, NITTTR Kolkata
 4. Prof. Madhusudan J. V., Central University of Hyderabad
 5. Prof. Omkar Kumar, Anna University
3. Dr. Sk. Rehena 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 22nd July to 31st July, 2024.

Resource persons:

1. Dr. Md. Abdul Raffey, Assistant Director, UGC- MMTTC.
2. Dr. Babasaheb, Assistant Professor, Ambedkar Marathwada University.

4. Dr. Sk. Rehena has completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Aligarh Muslim University, Aligarh from 03.8.24 to 12.08.24 and obtained Grade - A+.

Resource persons

1. Dr. Shakila T. Shamsu, Former OSD, NEP, Ministry of Education, Govt. of India, New Delhi
2. Prof. U. C. Vashishtha (Retd.), Dept. of Education, University of Lucknow, Lucknow

Faculty development programs attended:

Others

1. Mrs. T. Krishna Sree attended Two Week Online Faculty Development Program on Frontiers in Material Research, Innovation and Entrepreneurship (FMRIE-24), organized

by the Faculty of Physics, Department of Humanities & Sciences Sri Sai Ram Engineering College, Chennai from 25.07.24 to 08.08.24.

Resource Persons:

1. Dr. Suganthan Veerachamy, Associate Professor, VIT Vellore.
2. Dr. V. Chaithanya Vinay, IUT Bourges, France.
3. Dr. K. R. Ram Kumar, Senior Postdoctoral Scientist, Irvine. USA.

2. Dr. Sk. Rehena attended the 3-Day Online National Level Faculty Development Program on "Foundational Sciences: The Cornerstones of Engineering" organized from 8th August 2024 to 10 August 2024 by Department of Freshman Engineering at Sphoorthy Engineering College, Hyderabad.

Resource persons

1. Dr. M. S. Jagan Mohan Reddy, prof. Spoorthy Engg. College.
2. Dr. P. Ram Prasad, Dean academics in Spoorthy Engg. College.

Workshops attended: NIL

Conferences/Seminars Attended: NIL

Webinars Attended: NIL

Guest lectures attended: NIL

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

Faculty development programs Organized: NIL

Career Development: NIL

Training Programs: NIL

Guest lecture Organized: NIL

Workshop Organized:

1. A Two - Day workshop on **Student Innovation on Entrepreneurship** was conducted for I B. Tech. Students from 5/8/2024 to 6/8/2024.

Resource Person: **Dr. S. Krishna Sowjanya**, Businest Consulting and Training.

2. A One - Day workshop on **Life Skills-Empowering the 21st Century Engineer** was conducted for I B. Tech. Students on 2/8/2024.

Resource Person: **Dr. K. V. S. G. Murali Krishna**, Vice-Chancellor JNTUK

3. A Three - Day workshop on **Indian Knowledge Systems(IKS)** was conducted for I B. Tech. Students from 6/8/2024 to 8/08/2024 by Freshman Engineering Department.

4. A One - Day workshop on "**Milium Ibento**" was conducted for I B. Tech. Students on 9/8/2024 by the Freshman Engineering Department.

Resource Person: **Dr. G. Satya Prasanth**, M. S. Ayurveda, Pillaiyar Ayurveda center.

5. A One-Day workshop on "**Classroom to Boardroom**" for I B. Tech. Students was conducted on 12.08.2024."by the Freshman Engineering Department.

Seminars Organized:

1. The Faculty of Mathematics organized a one day seminar on "Mathematics & Computing for Differential Equations" for all I.B.Tech students on 28-08-2024.

Resource Person: Dr. P. Srinivasa Rao, Professor, Department of Mathematics & Computing, IIT, Dhanbad

2. **Wings Talk - 1:** A One - Day seminar on “**Classroom to Boardroom**” is organized for all the I B. Tech. students on 12.08.24 to develop interest and concentration in studies among the Students for Academic Excellence.

Resource Person: Mr. Gampa Nageshwar Rao, Impact founder.

3. **Wings Talk - 2:** A One - Day seminar on “**Physical Mental & Emotional Wellbeing**” is organized for all the I B. Tech students on 24.08.24 to improve the Intrapersonal relationship among students for social wellbeing.

Resource Person: Mrs. K. Vijaya, Professional Psychosocial Counsellor,
Vice President-Vasavya Mahila Mandali,
Member, ICC South Central Railway, Vijayawada Division.
Member, State Level Advisory committee, PCPNDT Act, Govt. of AP.

Student Induction Program

1. As a part of Induction Program Women Cell Orientation was conducted for I B. Tech. Women Students by Dr. P. Adhi Lakshmi, HOD, MBA, and Mrs. T. Krishna Sree, Asst. Prof., FED on 2/8/2024.
2. Academic Regulations, Course Structure and Syllabus orientation was given by (CoE) Controller of Examinations Prof. M. Niranjan Kumar on 1/8/2024 for I B. Tech. students.
3. Parent – Student orientation for I B. Tech. students was organized on 03-08-24. Dr. L. Ramakrishna, Scientist – G- ARCI was the chief guest.

Webinar: NIL

Industrial visits organized:

1. As a part of Student Induction Program, Freshman Engineering department has planned an orphanage visit (Heal Paradise Charity, Thotapalli Village, Andhra Pradesh for I B. Tech. students from 29-07-2024 to 3-08-2024.
2. As a part of Student Induction Program, Freshman Engineering department has planned a Visit to Plasma Exhibition by institute of plasma research, Department of Atomic energy, government of India organized by P.B. Siddhartha Arts & Science College, Mogalrajpuram, Vijayawada as a Knowledge gain program for I B. Tech. students on 08-08-2024.

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

1. Dr. A. Purnachandra Rao completed and received a passing grade in “Leaders of Learning” a course of study offered by HarvardX, an online learning initiative of Harvard University through edX on 13-8-2024.
2. Dr. Shaik Rehana successfully completed and received a passing grade in “General Academic English” offered by TsinghuaX, an online learning initiative of Tsinghua University through edX on 18-8-2024.

STUDENT ACTIVITIES:

1. ECHO CLUB organized an activity titled "Emcee Contest" to all the B. Tech. and MBA students.

| Name | Branch | Prize |
|---|--------------------|-------------|
| Sk.Noor-E –Fathima Sk.Safiya Hashmi Sk.Amatul Aleem | I CSE -4 | I |
| N.Devi Sailaja P.Sai Siri N.Sai Preeti | I IT | II |
| Ch.Dhanush Kumar S.Ramya T.Teja | CSD CSD I IT | III |
| S.Sanjana P.Devi Brahmani S.Lavanya | II Ece-I | Consolation |
| K.Madhulatha S.Sivani B.Subodh | II CSD | Consolation |

2. I B. Tech. students actively participated in the Certification Course "Artist in ME", organized by the ICC & Women's Cell of PVPSIT from 27.08.24 to 31.08.24.

3. Anti - ragging week was observed and celebrated from 12-08-24 to 18-08-24:

| S. No. | DATE | TIME | COMPETITION | VENUE |
|--------|-----------|--------------|---|-------|
| 1. | 12-8-2024 | 4.00 to 5-00 | ESSAY WRITING | 408 |
| 2. | 13-8-2024 | 4.00 to 5-00 | JAM | 411 |
| 3. | 14-8-2024 | 4.00 to 5-00 | SKIT (only three members) | 417 |
| 4. | 17-8-2024 | 4.00 to 5-00 | POSTER PRESENTATION (only two members) | 408 |

Prize Winners of the Event:

| S.No. | Competition | Name | Branch/Section | Prize |
|-------|---------------------|--------------------------|----------------|-----------------------|
| 1. | Essay Writing | Ch. Joshna | CSE-I | 1 st Prize |
| | | P. Sai Santhosh | EEE | 2 nd Prize |
| 2 | Jam | A. Sushumna Durga | CSE-I | 1 st Prize |
| | | D. Thrisha | CSE-I | 2 nd Prize |
| 3. | Skit | K. Rushitha | CSE-II | 1st Prize |
| 4. | Poster Presentation | N. V., S. Sai Deekshitha | IT-II | 1st Prize |
| | | V. Vinay | CIVIL | 2 nd Prize |

Event Coordinator: Dr. V. Sita Mahalakshmi

4. Freshman Engineering Department in Collaboration with Institute Innovation Council (IIC) organized a Five – Day event to enrich quick thinking, team work critical thinking and General knowledge.

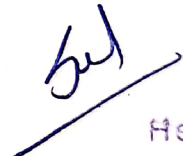
| S. No. | DATE | TIME | COMPETITION | VENUE |
|--------|-----------|--------------|------------------------|---------------------------|
| 1. | 27-8-2024 | 3.00 to 5-00 | JAM | Ground floor seminar hall |
| 2. | 28-8-2024 | 3.00 to 5-00 | Group Discussion | Ground floor seminar hall |
| 3. | 29-8-2024 | 3.00 to 5-00 | PICH | Ground floor seminar hall |
| 4. | 30-8-2024 | 3.00 to 5-00 | Poster Making in Canva | Ground floor seminar hall |
| 5. | 31-8-2024 | 3.00 to 5-00 | Quiz | Ground floor seminar hall |

OTHER INFORMATION:

Dr. Pavani Peddi is nominated as an Editorial member of EG Journals to review and ensure the quality of research publications.

Mrs. P. Lakshmi Lavanya successfully defended her Ph. D. Viva-voce on 21st August 2024 at Acharya Nagarjuna University.

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