



**Prasad V Potluri**

**SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA**

NBA & NAAC Accredited, ISO: 9001-2008 Certified Institution, AICTE Approved &  
Permanent Affiliation to JNTUK, Kakinada

**(Sponsored by Siddhartha Academy of General & Technical Education, Vijayawada)**

**DEPARTMENT OF FRESHMAN ENGINEERING  
MONTHLY REPORT FOR AUGUST.2020**

**I. FACULTY ACTIVITIES:**

**a) Publications in referred Journals:**

**i) Scopus indexed:**

1. G. Sreedevi , K. Srinivas , M. Subba rao, Sandhya Cole published a paper entitled “Investigation on structural and optical properties of CuO doped CdS-Zn<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub> nanocomposite for optoelectronic devices” in Journal of Molecular Structure (ELSEVIER), volume:1222 , issue:15 , ISSN:0022-2860 page:128903(1-10), August-2020. <https://doi.org/10.1016/j.molstruc.2020.128903>, Impact Factor: 2.463

**b) PROFESSIONAL ACTIVITIES**

**i) Participation conferences:**

1. Dr A. Purnachandra Rao attended a one-day National e-Symposium on “Positioning and Repositioning of Teachers in the Light of National Education Policy 2020” organized by Department of Sciences and Humanities & Christite Association of Sciences and Humanities, Christ (Deemed To Be University) School Of Engineering And Technology, Bengaluru, India in association with English Language Teachers' Association of India (ELTAI) on 24<sup>th</sup> August, 2020.

2. Mrs. A.S.Phani Kumari participated in Three Day International Virtual Conference on “Media Literacy” from 27<sup>th</sup> to 29<sup>th</sup> August, 2020 conducted by Department of Media Studies, CHRIST, (Deemed to be University) Bangalore.

**ii) Workshops:**

1. Dr.A. Purnachandra Rao attended a Three-day Workshop on “Publication Ethics Research Methodology” during 12<sup>th</sup> to 14<sup>th</sup> August, 2020 organized by Dr. B. R. Ambedkar Central Library, Jawaharlal Nehru University, and New Delhi in association with EBSCO.

2.

**iii) Webinars:**

1. A.Chandra Sekhara Babu participated in a Five Day National Webinar on “Fluid dynamics from Mathematicians viewpoint” during 9<sup>th</sup> to 13<sup>th</sup> August 2020 organized by Department of Mathematics, School of Science GITAM, and Hyderabad.

2. A.Chandra Sekhara Babu participated in a one Day National Webinar on “Role of Fujjy Algebra” on 27<sup>th</sup> August 2020.organized by PG & Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vishnav College, and Chennai.

3. Dr. N. Usha Rani participated in a Webinar on “Frontiers in Nanotechnology” from 27<sup>th</sup> to 29<sup>th</sup> August, 2020.organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai.

4.Dr. R. Chudamani participated in a one Day National Webinar on “Deploying the tools in enhancing research manuscript” organized by Sri Bhuvanendra college , Karkala, Karnataka on 6 th August 2020.

5.Dr. N. Usha Rani and T. Preethi Rangamani participated in a Webinar on “Challenges in Chemistry Research in the Post COVID-19 ear” on 21<sup>st</sup> August, organized by

Department of Chemistry, Koneru Lakshmaiah Education Foundation – Deemed to be University, Vaddeswaram, AP, in association with Andhra Pradesh Akademi of Sciences, AP.

3. Dr. N. Usha Rani participated in National webinar on “Laboratory Safety Practices” on 19<sup>th</sup> August, 2020, organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai.

4. Dr. N. Usha Rani participated in National webinar on “Wastewater Reuse Management for Sustainable Agriculture Development: A Green Technology Approach” on 1<sup>st</sup> August 2020 organized by Freshman Engineering Department, Lakireddy Bali Reddy College of Engineering, Mylavaram- AP.

5. Dr. N. Usha Rani and T. Krishanasree participated in National webinar on “Chemistry of Semiconductor, Nanoparticles: Laboratory to display Industries (Tv and LED’s)” on 6<sup>th</sup> August 2020 organized by Department of Chemistry (P.G), Andhra Loyola College, Vijayawada , AP

6. T. Preethi Rangamani has participated in one day webinar on “Toxicology:Science of Wellness” on 27<sup>th</sup>August, 2020.organised by Centre of Medical Knowledge Excellence (CMEKE)

7. Dr A. Purnachandra Rao attended a Webinar titled “Supporting our Students in Learning” on 23<sup>rd</sup> August, 2020 organized by English Language Teachers; Association of India.

8. A. Satya Phani Kumari participated in the National Webinar on “Phonological Problems of Learners” on 9<sup>th</sup> August, 2020 organised by the English Language Teachers Association of India, ELT@I Pune Chapter.

9. G. Sreedevi, has Participated in National Webinar on “Recent Activities of Nanomaterials” (NWRAN-2020) Organized by Department of Physics, Dr. B.R. Ambedkar University, Srikakulam, Andhra Pradesh, India, held on 6<sup>th</sup> August 2020.

10.SK.Rehana attended a webinar on “Exploratory Action research for professional development: Planning, designing, and implementation” on 31<sup>st</sup> July 2020 organized by Head of English and Education, British Council Nepal.

11.SK.Rehana participation in the National Webinar on “Organic Farming for Sustainable Agriculture” on 29<sup>th</sup> July 2020 organized by the Department of Zoology MES College of Arts ,Commerce and Science,15<sup>th</sup> cross, Malleswaram, Bengaluru.

12.P.Lakshmi Lavanya has participated the One-Day National Webinar on “Online English Communication Digital Initiatives for Higher Education” on 8<sup>th</sup> August 2020 organised by English discipline of Freshman Engineering Department in association with Spoorthi-The Literary Club, Lakireddy Balireddy College of Engineering.

13.P. Lakshmi Lavanya has participated the One-Day National Webinar on “Phonetics of BBC English” Organised by Dept. of Freshman Engineering Vardhaman College of engineering on 10<sup>th</sup> August, 2020.

14.P.Lakshmi Lavanya and T.Krishnasree participated in one day National Webinar on “Online Teaching - 1.0” held on 12<sup>th</sup> August, 2020 organized by Freshman Engineering Department, Lakireddy Bali Reddy College of Engineering, Mylavaram..

15.P.Lakshmi Lavanya and Sk. Rehana participated in three day webinar on “Language and literature” from 19<sup>th</sup> to 21<sup>st</sup> August 2020 organized by the department of English others Foreign languages SRM Institute of science and technology, Ramapuram Campus, Chennai.

16.P.Lakshmi Lavanya has attended a Webinar on “The Concept of ‘Other’ in Literature” on 24<sup>th</sup> August, 2020 by Dr. D. E. Benet organized by the Department of English and other Foreign Languages, SRM Institute of Science and Technology, Ramapuram Campus, Chennai.

17.P.Lakshmi Lavanya has attended a Webinar on “Postcolonial Aura in the Australian and Canadian Literary Milieu” on 26<sup>th</sup> August, 2020.organized by the Department of English and other Foreign Languages, SRM Institute of Science and Technology, Ramapuram Campus, Chennai.

18.Sk. Rehana Participate in a webinar on Design for change on 28<sup>th</sup> July 2020 organised by vishwa yuvak Kendra, Delhi.

19.Sk. Rehana Participate in a webinar on COVID-19 pandemic & Mahatma Gandhi on 24<sup>th</sup> July 2020 organised by vishwa yuvak Kendra, Delhi.

20.Sk. Rehana has participated in webinar on “Revealing the untold attributes of Exotic India” on 21<sup>st</sup> August 2020 organized by department of Engineering sciences, AISSMS, New Delhi.

21.SK. Rehana attended “Teacher professional development through pedagogical input” on 23<sup>rd</sup> August 2020 organized by ELTAI, Pune.

22.Mrs. A. Satya Phani Kumari participated in the National Webinar on “Phonological Problems of Learners” organised by the English Language Teachers Association of India, ELT@I Pune Chapter, on 9<sup>th</sup> August, 2020.

23.M. Rudrama Devi attended a Webinar on "Research Proposals" organized by IQAC, PVPSIT on 19<sup>th</sup> August 2020.

24.M. Rudrama Devi attended a Webinar on "Quality circles" organized by IQAC, PVPSIT on 21<sup>st</sup> August 2020.

### **c) Training and FDP:**

1. K. Kiran Kumar has participated in a National level 5-Day Faculty Development Program on “Emerging trends in mathematical modelling using python programming” during 7<sup>th</sup> to 11<sup>th</sup> August, 2020 organised by Department of Mathematics, CMR Institute of Technology, Hyderabad.

2. A. Chandra Sekhara Babu participated in two days online International Faculty Development Programme “Epistemic access in enhance effective learning” jointly organized by Internal Quality Assurance Cell (IQAC) Human Resources (HR) services on 31<sup>st</sup> July and 1<sup>st</sup> August 2020 by Idhaya Engineering college for women, Chinnasalem , Kallacurichi district, Tamil Nadu.

3. A. Chandra Sekhara Babu participated in five days Short Term Training Programme on “Modern Mathematical Tools in Calculus and Analytics” from 10<sup>th</sup> to 14<sup>th</sup> August 2020 organized by department of Science and Humanities (Mathematics) Kumaraguru College of Technology, Coimbatore.

4. Dr. V. Seetha maha lakshmi participated in the Online Faculty Development Program on “Mathematics and its applications”: from August 3<sup>rd</sup> to 7<sup>th</sup> August 2020 organized by Department of Mathematics, LBRC, Mylavaram.

5. M. Prameela, G. Kiran kumar, Dr.V. Seetha Mahalakshmi participated in one week online International Faculty Development Programme on “Recent Advances in Mathematics & Statistics” from August 3<sup>rd</sup> to 8<sup>th</sup> August 2020 organized by department of mathematics institute of science and centre for learning & sustainability GITAM university , Visakhapatnam, Andhra Pradesh.

6. Dr. V.Seetha Mahalakshmi has successfully completed” AICTE Sponsored online “short term training program on data science for social good (part-1)” one week on 24<sup>th</sup> to 29<sup>th</sup> August 2020 organised by department of Information Technology, PVPSIT, Kanuru.

7. G. Kiran Kumar participated in one week International FDP on “Mathematical Prototypes and their Applications in Engineering and Science” from July 27<sup>th</sup> to Aug 1<sup>st</sup> 2020 organized by Dept. of Mathematics Humanities, SRKR Engineering College,

Bhimavaram.

8. G. Kiran kumar participated in Five day Short term Training programme on “Modern Mathematical Tools in Calculus and Analysis” from 10<sup>th</sup>- 14<sup>th</sup> August, 2020, organized by Department of S&H, Kumaraguru College of Technology, Coimbatore.

9. Dr. N. Usha Rani, Dr. P. Pavani, Y. Pavani, S. L. Tulasi and T. Preethi Rangamani participated in a six day FDP on “Recent Development in Chemical Research for Societal Applications” organized by Department of Chemistry, Yogi Vemana University, Kadapa, from 3<sup>rd</sup> to 8<sup>th</sup> August, 2020.

10. T. Preethi Rangamani has participated in one week the AICTE Training and Learning (ATAL) Academy sponsored online faculty development program (FDP) on “Blended Learning and Flipped Classroom” scheduled during 10<sup>th</sup> -14<sup>th</sup> August 2020, by SVNIT, Surat.

11. Dr. A. Purnachandra Rao attended a One-Week Faculty Development Program on “Teaching English for Employability and Skill Enhancement” during 17<sup>th</sup> to 21<sup>st</sup> August, 2020 jointly organized by College of Technology and Engineering, Udaipur and Malaviya National Institute of Technology, Jaipur under Collaborative Research Scheme (CRS) Project of TEQIP-III.

12. Dr. A. Purnachandra Rao and P. Lakshmi Lavanya attended a Three-day National Level Faculty Development Programme on “Strategies, Methodologies and the Creative Spark for Everyone” during 03<sup>rd</sup> to 05<sup>th</sup> August, 2020 organized by Madanapalle Institute of Technology and Science, Madanapalle.

13. A. Satya Phani Kumari participated in the One-Week Online Faculty Development Programme on “A-Z of Writing Publication in Scopus-Indexed Journals” during August 16<sup>th</sup> to 22<sup>nd</sup>, 2020, organized by Dept. of Basic Sciences and Humanities, G M R Institute of Technology, Rajam, AP.

14. Ch. Muralimohan completed online workshop entitled “Evidence Based Teaching and Learning Strategies” in higher education from July 20<sup>th</sup> to 22<sup>nd</sup> 2020 organised by CREATES, IISER Bhopal under the PMMMNMTT Scheme of MHRD.

15. P Rama Koteswara Rao attended Three days Faculty Development program (FDP) On “OBE: Importance of outcomes, Assessment and Evaluation for Accreditation” under AICTE Margdarshan during 14<sup>th</sup> to 16<sup>th</sup> August, 2020 Organized by Department of CSE, V R Siddhartha Engineering college, Vijayawada.

16. M. Rudrama Devi attended an FDP on "Soft Skills" organized by Infosys Campus Connect from 3<sup>rd</sup> to 7<sup>th</sup> August 2020.

**ANY OTHER INFORMATION:**

1. G. Sreedevi submitted Ph.D. thesis with the title “Study on the Structural and Spectral properties of undoped and Transition Metal ion doped CdSZn<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub> Nano composites” on August 27<sup>th</sup> from Department Of Physics, Acharya Nagarjuna University, Guntur.

2. Dr. A. Purnachandra Rao acted as University Nominee on the Board of Studies meeting for Sri Vasavi College of Engineering, Tadepalligudem on 01<sup>st</sup> August, 2020.

3. K. Kiran Kumar has completed an online course “Number Theory and Cryptography” organised by UC San Diego and Higher School of Economics and offered through Coursera on 8<sup>th</sup> August, 2020.
4. Dr.P. Pavani has completed “Introduction to Breast Cancer” an online non-credit course authorized by Yale University and offered through Coursera.
5. K. Kiran Kumar and A.C.S.Babu has completed an online course “COVID19 Data Analysis Using Python” authorised by Coursera Project Network and offered through Coursera on 5<sup>th</sup> August, 2020.
6. K. Kiran Kumar has completed an online course “Mathematics for Machine Learning: Multivariate Calculus” organised by Imperial College of London and offered through Coursera on 4<sup>th</sup> August, 2020.
7. Dr.R.Chudamani has successfully completed “Mathematics for Machine Learning Principal component analysis” an online non-credit course authorized by Imperial College London and offered through Coursera on 9<sup>th</sup> August, 2020.
8. Dr.V.Seetha Maha Lakshmi has successfully completed a course on” Differential Equations for Engineers” an online non-credit course authorized by “The Hong Kong University of science and Technology and offered through courses on 8<sup>th</sup> August 2020
9. Dr.V.Seetha Maha Lakshmi has successfully completed a Coursera on” Matrix Algebra for Engineers” an on line credit course authorized by “The Hong Kong University of science and Technology and offered through courses in 8<sup>th</sup> August 2020.
10. Dr. N. Usha Rani has successfully completed “COVID-19: What You Need to Know (CME Eligible)” an online non-credit course authorized by Osmosis and offered through Coursera.
11. Dr A. Purnachandra Rao completed an online non-credit course, 'Morality of Everyday Life' authorized by Yale University of Michigan and offered through Coursera on 25<sup>th</sup> August 2020.
12. Dr A. Purnachandra Rao completed an online non-credit course, 'Research Design: Inquiry and Discovery' authorized by University of North Texas and offered through Coursera on 26<sup>th</sup> August 2020.
13. P.Lakshmi Lavanya completed “Analysing Macro-environmental factors using creativity” an online non-credit course authorized by Coursera Project Network and offered through Coursera.
14. P.Lakshmi Lavanya completed “New product development for small Businesses and start-ups” an online non-credit course authorized by Coursera Project Network and offered through Coursera.
15. P.Lakshmi Lavanya completed “The foundation to accessing Google apps” an online non-credit course authorized by Coursera Project Network and offered through Coursera.
16. P. Lakshmi Lavanya and SK. Rehana completed “English/French Translator Long short term memory networks” an online non-credit course authorized by Coursera Project Network and offered through Coursera.
17. P.Lakshmi Lavanya and SK. Rehana completed “Introduction to project management” an online non-credit course authorized by Coursera Project Network and offered through Coursera.

18.Sk. Rehana acted as a judge for an online fest organized by world Telugu Tana association from 24<sup>th</sup> July to 2<sup>nd</sup> August, 2020.