

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

UGC AUTONOMOUS

Accredited by NAAC with 'A' Grade
and NBA (CSE,ECE,EEE,ME,CE)



SAMIKSHA-Newsletter

Department of Freshman Engineering

July-December -2021

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Student Induction Program 26th November to 4th December, 2021



Chairman

Sri G. R. Ravinder Reddy

Principal

Dr. S. Udaya Kumar

Head of the Department

Dr. G. Neeraja Rani

Snippets of the Orientation Programme

Orientation Programme for the newly inducted students in the Academic Year 2021-2022 commenced from 26th November 2021 to 04th December 2021.

The programme was conducted as per the directions of UGC and AICTE. As part of the programme veterans from different fields shared their expertise on various topics to enhance the skills among the students.

Students went on a visit to Rama Chandra Mission Tumkunta. There, they practiced a few Yogasanas and meditation. The students were sent to Shanti Sarovar, Gachibowli to understand the need for Universal Human Values. These students were exposed to the harmful effects of valueless society. Students participated in Community Service at Golden Temple, Banjara Hills.

As part of Industrial Tour, students visited Akshaya Patra, at Kandi, a voluntary organization run by ISKCON to understand food processing and logistics involved in distributing the food prepared across the state of Telanaga. Ms. Ananya Chepuri and Ms. I. Lakshmi Shreya of II Year ECE introduced the students on how to create an effective Website and emphasized the need to build an effective portfolio from I year onwards. They also explained the importance of participating in various curricular activities that help the I years to add sense and purpose to build their portfolios.

The knowledge shared to the students by experienced Resource Persons was invaluable. Leading personalities from the Industry were invited to give lectures on fostering creative skills among students.

Sessions on Mentoring and Universal Human Values enabled students to acquire the skills needed to combat the evils of the society. Diagnostic tests were also conducted in various subjects to inculcate passion for improving skills in specific areas. These Diagnostic tests were designed and administered by in-house faculty. Proficiency modules were also imparted with an aim at making students realize their potentialities. Sessions on English, Mathematics and Science by internal faculty enabled the students to correct their mistakes that hinder the progress. The students had a virtual visit to various labs related to their respective branches in the college. The other facilities available in the department were also explained to the students.

Feedback link 2021-22

<https://anchor.fm/keerthana-sandhiri/episodes/Orientation-Week-2021-e1bt4dp/AUD-20211222-WA0028-a74tapa>

Ongoing Projects

Dr. S. Udaya Kumar (PI), Dr. G. Neeraja Rani (CO-PI), Mr. OVPR Shiva Kumar, ECE (CO-PI) and Dr. P. Raju (Team Member) are working on a project titled "Development of Novel Carbon Nano tube/ polymer Nanocomposites materials for EMI applications" worth Rs. 45.84 Lakhs sanctioned by DRDO.

Status: Completed second project review meeting successfully on 28th January 2021. One paper communicated to Journal of Material Science Matter Electrons of Springer (SCI&Scopus Indexed Journal).

Text Book Published

Dr. K. Shashikala published a book titled "Strategies in synthesis of heterocyclic compounds" published by Notion Press, December, 2021 ISBN No. 979-8885305372.

Faculty Contributions

- Dr. B. Nagamani, is Appointed as Content Developer- Netaji Subhas Open University, Kolkata for the Course on Writing Assignment of Study Material for Master Degree Programme in English Language Teaching.
- Dr. B. Nagamani, is Appointed as Content Developer for the Course on English Communication and Employability Skills jointly developed by Dr. Babasaheb Ambedkar Open University, Ahmedabad and SCOPE, Education Department, Gujarat.
- Dr. P. Kalyani is appointed as a member of the BoS of Chemistry at MallaReddy Institute of Engineering and Technology in Hyderabad.
- Dr. K. Shashikala is appointed as Member- BoS for Srinivasa Institute of Engineering and Technology, Amalapuram, East Godavari District.

Invited Talks (In-house/Off Campus)

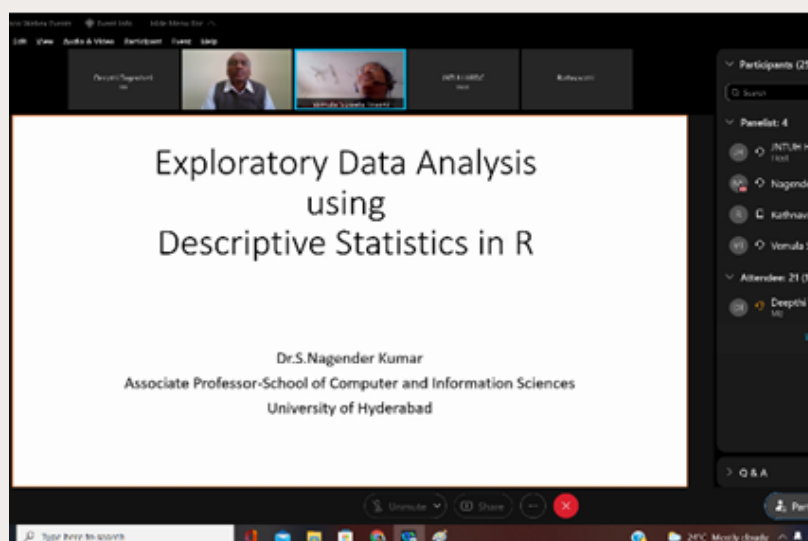
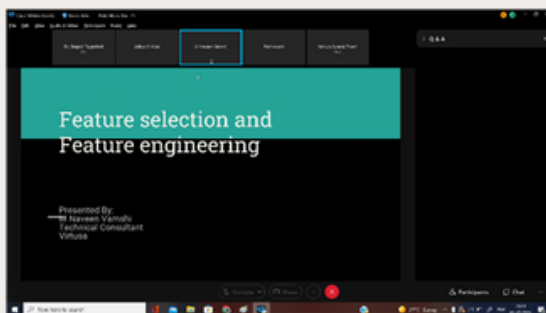
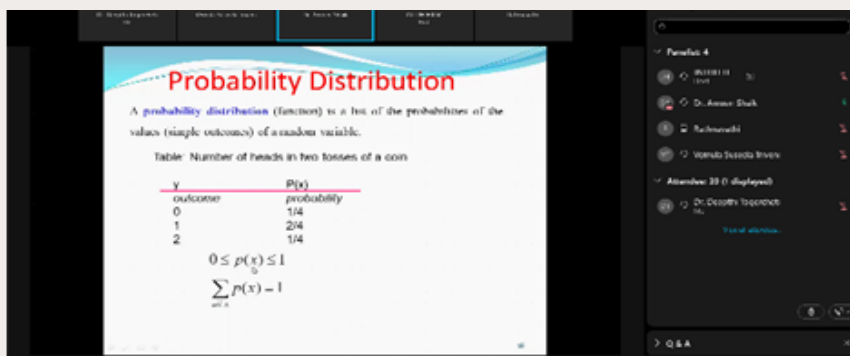
- Dr. M. Upender gave a lecture on "*Endangered Languages: Documentation and Revitalization*," organized by The Dept. of English & Cultural Studies & Inclusivity Cell, Christ University, Bangalore on 18-Sep-2021.
- Dr. M. Upender gave a lecture on "*Language Planning: Status Planning, Corpus Planning and Acquisition Planning*," organized by The Dept. of English, PanskuraBanamali College, PurbaMedinipur, West Bengal on 24-Sep-2021.
- Dr. M. Upender gave a lecture on "*Language and Linguistics: Professional and Academic Scopes in India and Abroad*" organized by The Dept. of English, PanskuraBanamali College, Purba Medinipur, West Bengal on 27-Sep-2021.
- Dr. M. Upender gave a lecture on "*Transformation of Sentences*" organized by The Dept. of English, Panskura Banamali College, PurbaMedinipur, West Bengal on 30-Sep-2021.
- Dr. Anurag Gautam gave a lecture on "*Refresher Course in Material Science and Nanotechnology*," organized by Department Nanotechnology, North-Eastern Hill University, Shillong, Meghalaya on 25-Sep-2021.
- Dr. P. Kalyani gave a lecture on "*Modern Chemistry & It's Applications*," organized by Malla Reddy Institute of Engineering and Technology Medchal, Telangana on 25-Sep-2021.
- Dr. Anurag Gautam gave a lecture on "*Virtual Conference Materials in the Anthropocene*," organized by Consejo Nacional de Cienciay Tecnología, Mexico on 27-Oct-2021.
- Dr. B. Nagamani gave a lecture on "*Design Thinking in ELT*" in International Virtual FDP on English Language, Literature, Linguistics and Culture Studies organized by WELLTTA-World English Language Learners Teachers and Trainers Association on 27-Nov-2021.
- Dr V.S.Triveni gave a Talk in the Introductory Session on "*Role of Statistics in Machine Learning and Data Science*", organized by AICTE, New Delhi and Human Resource Development Centre, Jawaharlal Nehru Technological University Hyderabad, Kukatpally on 29-Nov-2021.
- Dr T.Deepthi gave a lecture on "*Descriptive Statistics using R Programming*," by AICTE, JNTUH-HRDC in collaboration with GCET on 1-Dec-2021.
- Dr. Ajantha Rudra gave a lecture on "*Plotting graphs using R Programming*" by AICTE, JNTUH-HRDC in collaboration with GCET on 3-Dec-2021.

Papers Published

- Dr. N Subadra published a paper on '*Thermal Effects on Peristaltic Transport in a Circular Elastic Tube*' in Solid State Technology in July, 2021.
- Dr. R. Sanjeev and Dr. P. Sreedhar, published a paper on '*Do We Really Need the Concentration and Volume of a Solution of a Weak Acid to Calculate the Percentage Ionization or Degree of Ionization?*' in World Journal of Chemical Education in August 2021.
- K. Swarupa, Dr. K. Shashikala published a paper on '*Antibacterial and anticancer activities of quinoxaline-2-carbohydrazide-N-oxide*' in Materials today proceedings in August 2021.
- Dr. K. Shashikala published a paper on '*Microwave assisted synthesis of Thieno (3,2-d) pyrimidine amino derivatives and their molecular docking studies*' in Indian Journal of heterocyclic chemistry in September 2021.
- Dr. B. Mamatha published a paper on '*Effect of neodymium and zirconium substituted on electrical properties of SrBi₄Ti₄O₁₅ in Ferroelectrics*' in October 2021.
- Dr. R. Sanjeev published a paper on '*Why the Second π -Bond Exceptionally Effective on pKa Values of -ynoic (-C \equiv C-) Compounds?*' Chemical Education Perspective in World Journal of Chemical Education in November 2021.
- N Nagi Reddy published a paper on '*Velocity slip, chemical Reaction, and Suction/Injection effects on two-dimensional Unsteady MHD mass transfer flow over a Stretching Surface in the presence of thermal radiation and viscous dissipation*' in Heat Transfer on November 2021.
- C. Gangadhar published a paper on '*The Zero-Free Regions For Polar Derivative of Polynomials With Restricted Coefficients in Advances in Differential Equations and Control Processes*' in November 2021.
- Dr. N. Subhadra published a paper on '*Heat and Mass Transfer Effects of Peristaltic Motion of a Jeffery Fluid in a Tube*' in Thermal Science in December 2021.
- Dr. B. Mamatha published a paper titled '*Dielectric and Piezoelectric Properties of Sr_{1-2x}NaxSmxBi₄Ti₄O₁₅ (x = 0-0.4) Ceramics*' in Integrated ferroelectrics in December 2021.
- Dr. N. Subhadra published a paper on '*Influence of Slip of a Jeffery Fluid Flow controlled by Peristaltic Transport with Nanoparticles in an Inclined Tube*' in Science and Technology Asia 1st December 2021.

Short Term Training Programme Conducted

Dr. V.S. Triveni, coordinated A six-day Short Term Training Program (STTP) on "Role of Statistics in Machine Learning and Data Science" sponsored by AICTE and UGC-HRDC, JNTUH. The training was extended through Online mode on WebEx Platform from 29.11.2021 to 04.12.2021. There were four sessions everyday, addressed by Resource Persons who were selected from the IITs/NITs/HCU/OU and other reputed Academic Institutions and Software industries. The programme continued from 10.00 AM to 05: 15 PM. 90 Participants registered for this training program.



Workshops/FDPs/STTPs/Conferences Attended by Faculty

- Webinars attended: 28
- Workshops attended: 17
- FDPs attended: 69
- STTPs attended: 09

Massive Open Online Courses Completed



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1. Name of the Faculty : Dr K Santosh Kumar
 - Title of the course : Introductory Organic Chemistry -II
 - Duration : 12 weeks
 - Organized by : IISER - NCL Pune
 - Date of Completion : 28-10-2021
2. Name of the Faculty : Sateesh Kuna
 - Title of the course : Reagents in Organic Synthesis
 - Duration : 12 weeks
 - Organized by : IIT-Guwahati
 - Date of Completion : 28-10-2021

Guest Lectures Organized for Students

- Dr. Subash Thota, Professor of Physics, IIT Guwahati, addressed the students on '*Semiconductor Devices and their various applications*' on 12-07-2021.
- Dr. T. Suman, Associate Professor, Department of Mathematics, HCU Hyderabad addressed B.Tech I Year Students on '*Population Dynamic: A Mathematician Perspective*' on 30-9-2021.

Co-Curricular Activities

- As part of Design Thinking Workshop, A Project Exhibition was organized on 24-07-2021. 48 students participated in the exhibition and presented their working or demo models.
- Project Exhibition- English was organized on 14-09-2021.



Centre for Soft Skills Development

Faculty of all Departments, Batch III attended a Faculty Training Programme from 27-03-2021 to 24-04-2021. The training was facilitated to improve Communication Skills among the faculty.

Extra-Curricular Activities

Commemorating the Platinum Jubilee Celebrations of Indian Independence, the Fine Arts and Cultural Club conducted various activities for students on 13.08.2021.



- 1.T. Lakshmi Prasanna secured First Prize in Dance Competition(19R11A05E0- CSE III C)
- 2 Sravani secured First Prize in Singing Competition(19R11A05C4- CSE III C)

Bathukamma and Daandiya Raas Celebrations were organized by the Fine Arts and Cultural Club on 12.10.2021



1. Ms. Lakshmi Prasanna Daandiya Raas(Solo) 19R11A05E0- CSE III C
- 2.G. Shree Keerthi - Daandiya Raas(Group)-20R11E0012 MBA IIYEAR
- 3.E Hari kishore - 20R11E0009 MBA II YEAR
- 4.N. Nikhil - 20R11E0032 MBA II YEAR
- 5.P. Likhitha - 20R11E0035 MBA II YEAR
- 6.U. Monika - 20R11E0045 MBA II YEAR
- 7.E Sathvika - 20R11E0010 MBA II YEAR
- 8.K. Swathi - 20R11E0021 MBA II YEAR
9. S. Nikitha - 20R11E0040 MBA II YEAR
- 10.U. Monika- Best Bathkamma dancer-20R11E0045 MBA II YEAR
11. K. Swathi Best Continuous Dancer-20R11E0021 MBA II YEAR

As part of New Year Celebrations, New Year Resolutions Card/ Poster making and Cake Decoration competitions were conducted on 31.12.2021.



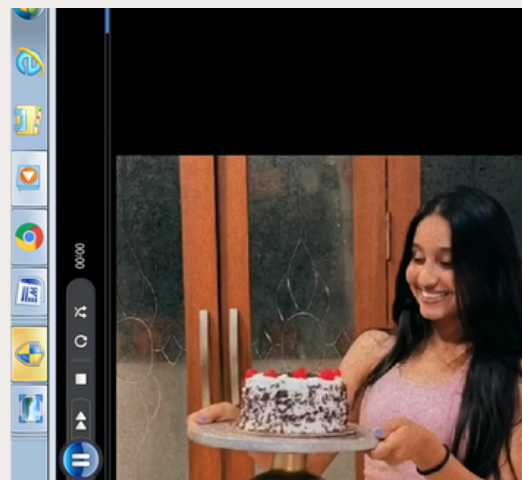
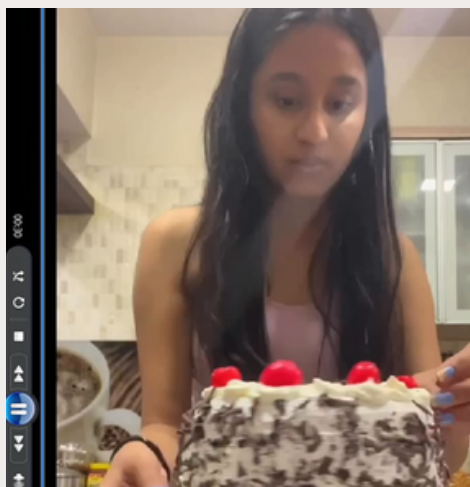
1. Bolledla Abhinaya Reddy secured first prize in New Year Resolutions Card/ Poster making competition-21R11A1207 IT 1 YEAR.
- 2 . Kandani Manasa secured second prize in New Year Resolutions Card/ poster making competition-21R11A1223 IT 1 YEAR .



- 1.Lasya Brahmarouthu secured first prize in Cake Decoration competition 21R11A01209 IT 1st Year.
- 2.Yagna Sri Thirupathi secured second prize in Cake Decoration competition 19R11A01216 IT 3A .

Glimpses-Extra curricular activities

- Bathukamma Decoration and Daandiya Raas Celebrations & Competitions.
- Yuletide Celebrations , New Year Celebrations(Cake Decoration and New Year Resolution Card and Poster Making Competition).



Quick see into Orientation



Welcome to the New Faculty

- Dr. C. Gangadhar - Mathematics
- Dr. M. Venkanna - English
- Dr. A. Anil Kumar - Chemistry
- Dr. K. Santosh Kumar - Chemistry
- Dr. Ajantha Rudra - Mathematics
- Dr. T. Deepthi - Mathematics
- Dr. M. Kanaka Durga - Physics
- Dr. Sridevi Tulasi - English
- Dr. Pramodini Patnaik - English

Editorial Board Members

Dr. B. Nagamani
Associate Professor of English

Dr. N. Subhadra
Associate Professor of
Mathematics

Mr. K. Sateesh
Assistant Professor of Chemistry

Advisory Board Member

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Professor of English