



NEWSLETTER

From 1st July 2022 to 30th June 2023

DEPARTMENT OF CHEMICAL ENGINEERING JNTUH COLLEGE OF ENGINEERING HYDERABAD

(Autonomous)

Kukatpally, Hyderabad – 500085

VISION

To be recognized as one of the top 10 institutes in the country offering technical education, sustaining and improving its repute of UG programmes, expanding need based PG and research programmes with global outlook, synergising teaching and research for societal relevance

MISSION

1. To identify technological advancements and build the right level of skills at the right time contributing to the industrial and national growth.
2. To identify and keep abreast with the state of the art technology maintaining its legacy of striving for excellence in higher education.
3. To promote world class research of local relevance to society.
4. With a research community of professors, research fellows and research centres, expand the scale and multidisciplinary character of its research activities.
5. With a global outlook strive for collaborations to network with International Universities and National Institutes of Research and Higher Learning.



JNTUH COLLEGE OF ENGINEERING HYDERABAD

DEPARTMENT OF CHEMICAL ENGINEERING



VISION:

To be a premier chemical engineering department meeting the needs of academia, industry and society through quality education and innovative research.

MISSION:

1. Provide a comprehensive learning ambience in sciences, chemical and allied engineering.
2. Impart principles of sustainability and stimulate the evolution of environment friendly techniques and processes for the benefit of society.
3. Promote leadership qualities and team work through collaborations.

| PROGRAM EDUCATIONAL OBJECTIVES (PEOs) | |
|---------------------------------------|--|
| PEO-1 | Achieve innovation in research, education and administration in multi-discipline environment. |
| PEO-2 | Obtain leadership positions in prestigious organizations. |
| PEO-3 | Exhibit high ethical standards, team work with continuous learning to cater the ever changing professional needs. |
| PEO-4 | Pursue personal development through acquiring knowledge, skills and attitude. |
| PROGRAM OUTCOMES (POs) | |
| 1 | Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. |
| 2 | Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural science, and engineering sciences. |
| 3 | Design/Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. |
| 4 | Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. |
| 5 2. | Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. |
| 6 3. | The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. |
| 7 | Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. |
| 8 4. | Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. |
| 9 5. | Individual and in team: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. |
| 10 | Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions. |
| 11 | Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. |
| 12 | Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. |
| PROGRAM SPECIFIC OUTCOMES (PSOs) | |
| PSO-1 | Interdisciplinary Approach: The Students will be able to apply chemical engineering principles to interdisciplinary areas like nanotechnology, environmental & energy engineering, Process safety |
| PSO-2 | Modeling & Simulation: The Students will be able to work on modeling, simulation & optimization of chemical processes using MATLAB & PRO-II software |

List of Programs Offered by the College/Academic Unit with Intake:

| Sl. No. | Name of the UG/PG Programme | Sanctioned In take |
|---------|-------------------------------------|--------------------|
| 1 | B.Tech. (UG)- Chemical Engineering | 60 |

List of Faculty members: (Name and Designation)

| S.No. | Name of the Faculty | Designation |
|-------|---------------------|-------------------------|
| 1 | Dr. S. Devaki Rani | Professor & Head |
| 2 | Mr. Dipankar Das | Assistant Professor (C) |
| 3 | Dr. Ch. Ramesh | Assistant Professor (C) |
| 4 | Mrs. P. Sowmya | Assistant Professor (C) |

Department Laboratory:

Instrumentation & Process Control Lab

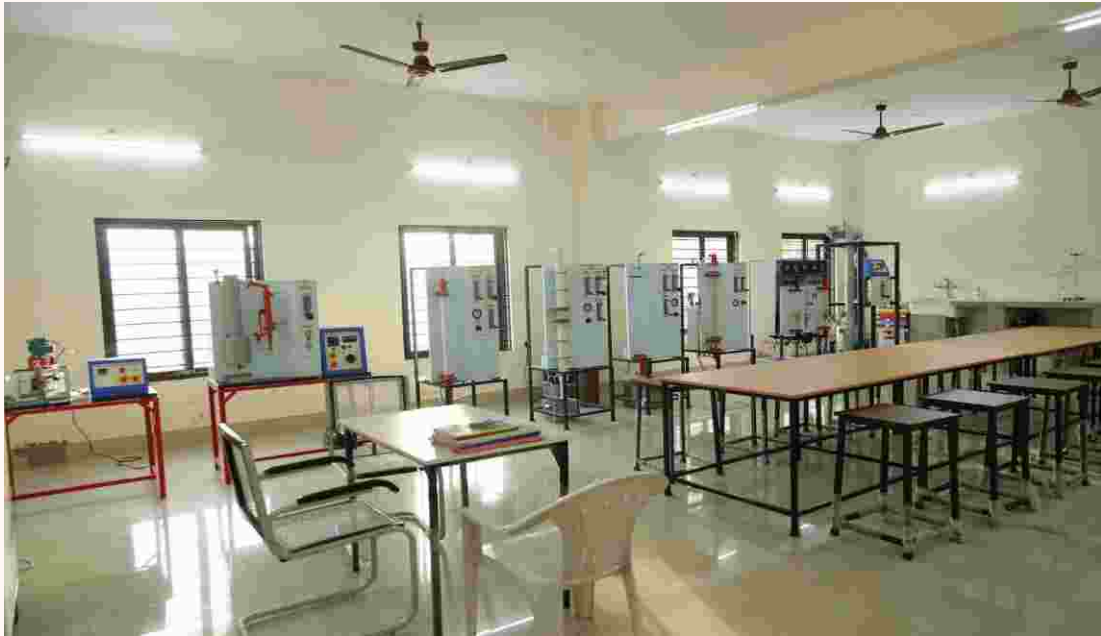


Instrumentation & Process Control Lab

Process Simulation Lab:



Mass Transfer Operations Lab:



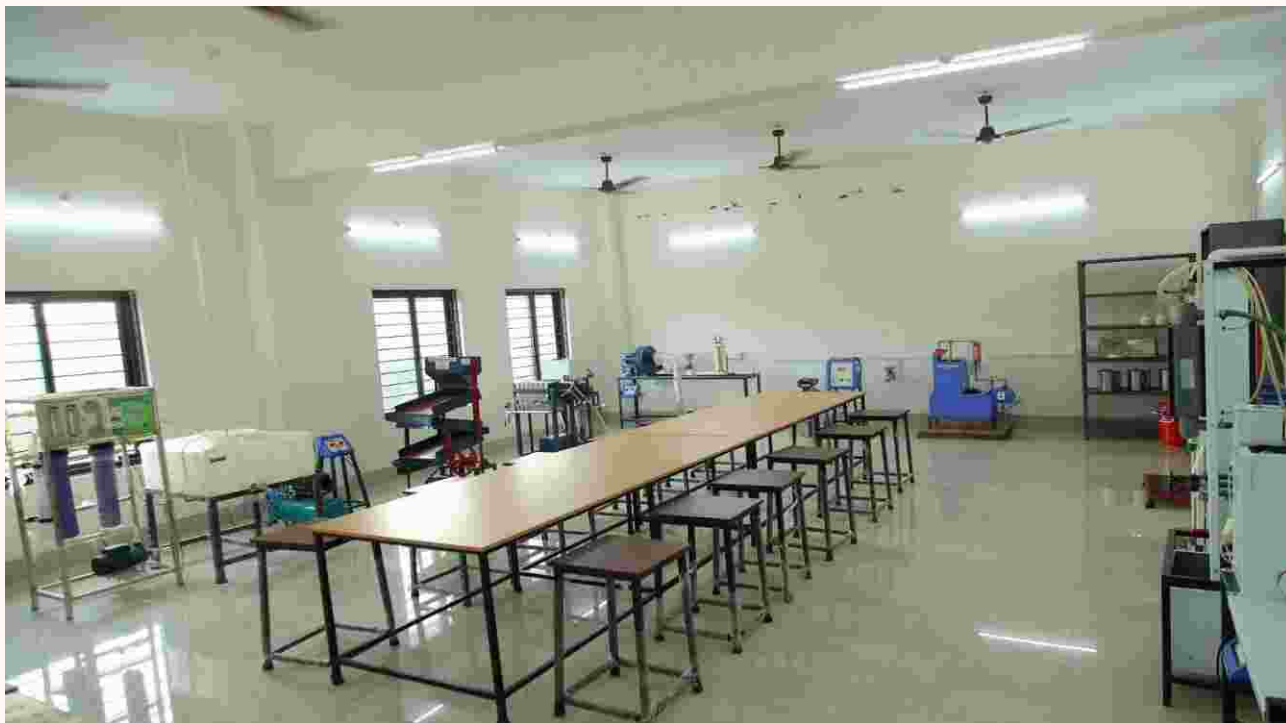
Chemical Reaction Engineering Lab:



Fluid Mechanics Lab:



Mechanical Operations Lab:



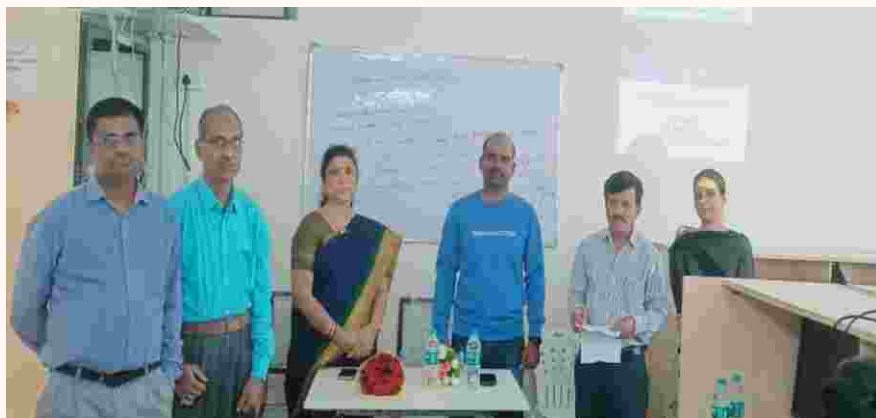
New Infrastructure Development in the Dept./College:

| S. No. | Date | Details of the Infrastructure setup(Creation of new labs, new facilities etc.) | Quantity | Unit Cost | Total Cost for the Set-up (Rs. in lakhs) |
|---------------------|-----------|--|----------|-----------|--|
| 1 | 9.12.2022 | Computer revolving chairs having moulded cushion for sat & back provided with PP arms gas lift facility nylon base with twin blade castor wheels push back mechanism | 12 Nos | 3,500/- | 42,000/- |
| 2 | 9.12.2022 | Notice board size 5'x3' pin up board heavy weight frame aluminium locking system dismode with green & red | 02 Nos | 10,800/- | 21,600/- |
| Total Amount | | | | | Rs. 63,600/- |

New Equipment/Software Installed:

- The department of Chemical Engineering installed AVEVA/ PRO-II Simulation Software which is given by AVEVA one-year free license useful for learning Simulation studies for B. Tech students.

- Training session on “AVEVA/PRO-II Simulation Software”



- Training session on “AVEVA/PRO-II Simulation Software” in association with OMKAR engineering solutions, Bangalore.
- MAT LAB software (Version MATLAB2022) installed in the systems (24No.s) in department computer lab during February/March 2023.

Faculty Achievements:

Journal Papers Published by the Faculty:

- ❖ Dr. T. Bala Narsaiah, “Comparative analysis of ZnO nanoparticle's specific capacitance in super capacitors: The role of surfactant and stabilizing agent: Applied Surface Science Advances” in ISSN no. 2666-5239, October 30th 2022.
- ❖ Dr. T. Bala Narsaiah, “A simple solution combustion method for the synthesis of V₂O₅ nanostructures for super capacitor applications: Applied Surface Science Advances” ISSN no.2666-5239, November 3rd, 2022.
- ❖ Dr. T. Bala Narsaiah, “Studies on Removal of Coomassie Brilliant Blue R250(CBB) dye Using lignin as Adsorbent” ISSN no.2455-3344, Volume 9, Issue-3, 2022.

Details of Webinars/Conferences/Seminars/Workshops/ Refresher Courses/Orientation

Courses/ FDPs Attended by the Faculty:

- **Mr. Dipankar Das, Assistant Professor (C)** attended 2- week Online FDP on “Simulation as a Pedagogical Aid in Chemical Engineering” organized by Department of Chemical Engineering, NIT Warangal, June 13th–22nd 2022.
- **Mr. Dipankar Das, Assistant Professor (C)** attended 2-Day Seminar on “Production and Use of Green Hydrogen and Green Ammonia in Process Industry” organized by Indian Institute of Chemical Engineers(NRC), Department of Chemical Engineering IIT Delhi & Fertilizer Association of India, June 24th-25th 2022.
- **Mr. Dipankar Das, Assistant Professor (C)** attended a Two day STTP (Short Term Training Program) on “Waste water Characterization, Treatment and Reuse Training (WCTR-2023)” organized by Indian Institute of Petroleum and Energy, Visakhapatnam-530003 A.P, April 10-11, 2023.



- **Mr. Dipankar Das, Assistant Professor (C)** attended a Five day STTP (Short Term Training Program) on “Recent Advancements in Medicinal Chemistry & Material Science (RAMCMS-2023)” organized by Vardhaman College of Engineering, Hyderabad, April 28th, 2023.



- **Mrs. P. Sowmya, Assistant Professor (C)** attended a One-week GIAN Course on “Greener and Cleaner Ultrasonic Process For Nanomaterials And Nano pharmaceuticals” organized by National Institute of Technology Warangal, June 27th to July 01st, 2022.



(ii) Expert Talks/Guest Lectures Organized for UG/PG Students by the Department:

- **Department has conducted International Conference on Innovations in Engineering and Technology (ICIET – 2022), 15th – 17th September 2022**
- Expert Lecture on “Latest Development of Microalgae Biorefinery” Dr. Show Pau-Loke, Dept. of Chem. & Environmental Engg, University of Nottingham Malaysia, at Class Room Complex JNTUH UCEH, on 16.09.2022 as a part of International conference.
- **Speaker: Dr. Show Pau-Loke**
Dept. of Chemical and Environmental Engineering, University of Nottingham Malaysia, MALAYSIA.



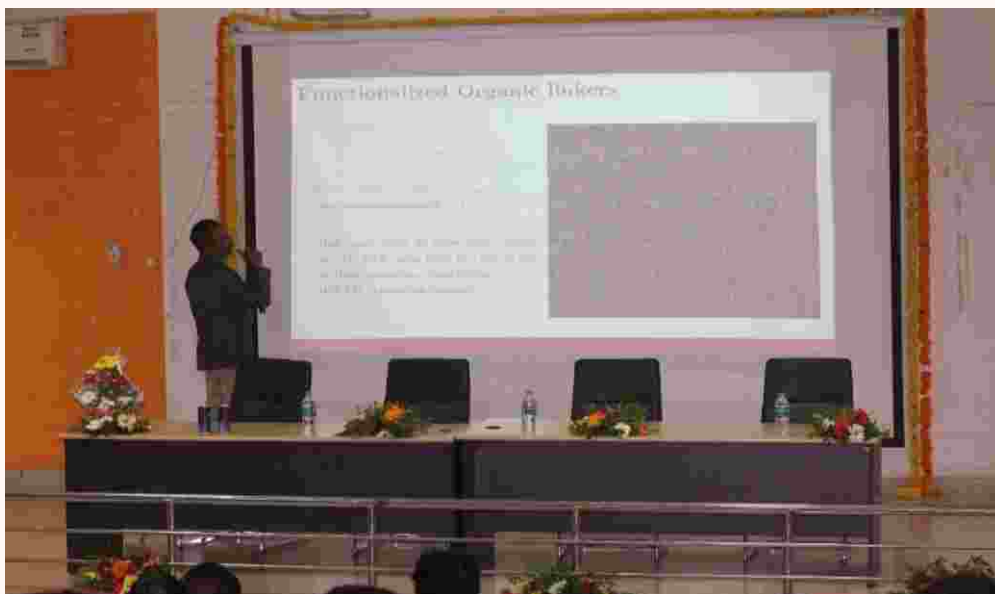
- **Expert Lecture** on “Advance separations using electromembranes: Electrodialysis/ Electro-electrodialysis” Dr. S. Chotopadhyaya, Prof., Dept. of Polymer and Process Engineering, IIT Roorkee, at Class Room Complex JNTUH UCEH, on 16.09.2022 as a part of International conference
- **Dr. S. Chotopadhyaya**
Professor, Dept. of Polymer and Process Engineering, IIT Roorkee





- Expert Lecture on “**Advance separations using electromembranes: Electrodialysis/ Electroelectrodialysis**” Dr. S. Chotopadhyaya, Prof., Dept. of Polymer and Process Engineering, IIT Roorkee, at Class Room Complex JNTUH UCEH, on 16.09.2022

- **Expert Lecture** on “Development of Solid Adsorbents for Carbon Capture” Dr. SasidharGumma, Dept. of Chem. Engg., Indian Institute of Technology, Tirupati, at Class Room Complex JNTUH UCEH, on 17.09.2022 as a part of International conference
- **Dr. SasidharGumma**
Dept. of Chemical Engg., Indian Institute of Technology, Tirupati

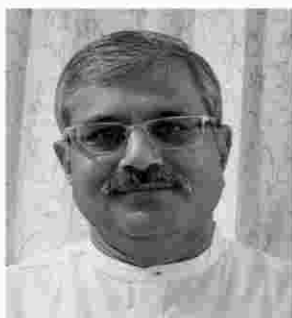


- Expert Lecture on “**Development of Solid Adsorbents for Carbon Capture**” Dr. SasidharGumma, Dept. of Chem. Engg., Indian Institute of Technology, Tirupati, at Class Room Complex JNTUH UCEH, on 17.09.2022
- Expert Lecture on “Emerging Opportunities to Chemical Engineers” by Sri. A. Raja Shekhar, Managing Partner, Floris Chemitech, Nidadavolu, Andra Pradesh on 19.11.2022 for B.Tech. students.



**DEPARTMENT OF CHEMICAL ENGINEERING
JNTU UNIVERSITY COLLEGE OF ENGINEERING HYDERABAD
INDIAN INSTITUTE OF CHEMICAL ENGINEERS STUDENT
CHAPTER**

Organizing
an Expert Lecture on
Emerging opportunities to Chemical Engineers



**Date: 19th November, 2022 at
11:00 A.M.**

**BY
Sri.A. RAJA SHEKAR,
Managing partner
Floris Chemitech, Nidadavolu,
Andra Pradesh**

**Organised by
Dr. T. Bala Narsaiah
Professor & Head
Dept. of Chemical Engg., JNTU UCEH**

- Online-Webinar on “Overview of GATE Chemical Engineering” by Dr. M. Subramanian, MSubbu Academy, Chennai, on 26.11.2022 for B.Tech. students.
- Department has associated with Chemistry dept. & conducted 2nd International Congress on “Recent Advances in Chemistry & Chemical Engineering - (ICRACACE- 2022)” Dec, 13-15, 2022



Student Achievements:

**Prizes/Awards for outstanding performance in Academic/Any Other Activities:
List of Students qualified in GATE 2023**

| SI No | Roll No | Name of Student | All India GATE 2023 Rank |
|-------|------------|-------------------|--------------------------|
| 1 | 20011A0810 | D. Hari Varshith | 2641 |
| 2 | 20011A0828 | M. Manjunath | 1493 |
| 3 | 19011A0831 | M. Sushma | 912 |
| 4 | 19011A0833 | M. Divya Sai | 1370 |
| 5 | 19011A0853 | V. SubhasreeNavya | 2205 |
| 6 | 19011A0855 | V. Varshith | 808 |
| 7 | 18011A0836 | M. Sai Keerthan | 55 |

Placement Details 2022-2023: Dept. of Chemical Engineering

| S. No. | Roll Number | Name of the Student | Name of the Organization | Package |
|--------|-------------|-------------------------------|--------------------------------|---------------|
| 1 | 19011A0804 | Arun Singh Shekhawat | LTI Sparks(level-0), Cognizant | 4LPA, 4LPA |
| 2 | 19011A0806 | BadisaSreya | TCS Ninja | 3.5 LPA |
| 3 | 19011A0807 | Bangari Sai Samyug Raj | Cognizant | 4 LPA |
| 4 | 19011A0809 | Bela Uday Sai | TCS Ninja | 3.5 LPA |
| 5 | 19011A0816 | Dara AnjanaCharitha | TCS Ninja/Cognizant | 3.5LPA/4 LPA |
| 6 | 19011A0817 | DhanduBhargavi | Worley | 4 LPA |
| 7 | 19011A0818 | GabbetaPranay | TCS Ninja | 3.5 LPA |
| 8 | 19011A0820 | G. Vamshi Krishna | AakashByjus | 7.25 LPA |
| 9 | 19011A0822 | GudiseManjulatha | TCS Ninja, Worley | 3.5 LPA,4 LPA |
| 10 | 19011A0823 | GullepelliPranay Kumar | Cognizant | 4 LPA |
| 11 | 19011A0824 | GundlapallySushmitha | Worley | 4 LPA |
| 12 | 19011A0825 | Gurijapu Vijay Simha | Deccan Chemicals | 4 LPA |
| 13 | 19011A0826 | Janaki Karuna | LTI Sparks(level-0) | 4 LPA |
| 14 | 19011A0830 | LonkaGouthami | Deccan Chemicals | 4 LPA |
| 15 | 19011A0831 | MadapathiSushma | Cognizant | 4 LPA |
| 16 | 19011A0833 | MandavaDivya Sai | ITC | 7 LPA |
| 17 | 19011A0836 | N Jayanth | Future First | 11 LPA |
| 18 | 19011A0837 | Nattala Anil Goud | TCS Ninja | 3.5 LPA |
| 19 | 19011A0844 | SakshiSachin Kulkarni | AVEVA | 7 LPA |
| 20 | 19011A0845 | S. Venkata Sai Nikhitha | LTI Sparks(level-1) | 5 LPA |
| 21 | 19011A0848 | SiliveruSupriya | LTI Sparks(level-0) | 4 LPA |
| 22 | 19011A0850 | T.Nanda Kumar Reddy | TCS Ninja | 3.5 LPA |
| 23 | 19011A0856 | VenkataSaimuraliYasaswiKapila | TCS Digital | 7.5 LPA |
| 24 | 20015A0804 | BandariAnusha | Worley | 4 LPA |
| 25 | 20015A0810 | Konda Shylee | ITC | 7 LPA |

Research Papers Published:

- Yekkaluri Snehasree Reddy^{a,1} (18011A0858), Shireesha Konda^{b,1}, Divya Velpula^{b,1}, Rakesh Kumar Thida^b, Navaneeth Reddy Nama^a (18011A0840), Rakesh Deshmukh^b IV B.Tech., Article title is “Applied Surface Science Advances” *Journal of Comparative analysis of ZnO nanoparticle's specific capacitance in supercapacitors: The role of surfactant and stabilizing agent, under the guidance of Shilpa Chakra Chidurala^{b,*}, Bala Narsaiah Tumma^a, October 30th 2022.*
- A simple solution combustion method for the synthesis of V₂O₅ nanostructures for supercapacitor applications Shivani Sutravea¹, Shireesha Kondab¹, Divya Velpulab¹, Sriram Ankith Voletya, Sugunakar Reddy Ravulac, Shilpa Chakra Chidurala^{b,*}, Bala Narsaiah Tummaa^a a Department of Chemical Engineering, JNTUH University College of Engineering Hyderabad, Telangana, India, 500085 b Center for Nano Science and Technology, Institute of Science and Technology, JNTU Hyderabad, Telangana, India, 500085
- B. Shiva Durga Prasad¹, G. Gopal², P. Omkar³, P. Prarthana⁴, B. Geetha⁵, B. Jaggu Naik⁶, IV B.Tech., Article title is “Thin Films, Coating Science Technology and Application” *Journal of Studies on Removal of Coomassie Brilliant Blue R250 (CBB) dye Using lignin as Adsorbent, under the guidance of G. Vani⁷, Bala Narsaiah Tumma⁸, 2022.*
- The Department students have attended “IChE – HRC – INTER- College Competitions” on April 13th, 2023 in Indian Institute of Chemical Engineers- Hyderabad Regional Center (IChE HRC) in collaboration with Dept. of Chemical Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad has organized IChE – HRC – INTER- College Competitions 2023

IChE – HRC -INTER-COLLEGE COMPETITIONS

DECCAN NEWS SERVICE
HYDERABAD

Indian Institute of Chemical Engineers – Hyderabad Regional Centre (IChE HRC) in collaboration with Department of Chemical Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad has organized Inter-College Competitions 2023. The Chief guest for the programme is Dr. Sanjay Bhardwaj, Head-CTAT/ARCI, HYD and Chairman of IChE HRC. Senior HRC members



graced the occasion along with Principal, Dr.P. Ravinder Reddy. The Chief guest deliv-

ered a lecture on “Innovation Ecosystem in India”. Chemical Engineering students from 9 colleges namely OJCT, JNTU, IIT Bhubaneswar, BVRT, BITS Pilani, Hyderabad campus, NIT Warangal and CBIT have actively participated and showcased their talent in different competitions like Model making, Technical quiz, Essay writing and Eloquation. The senior HRC members judged the competitions. The programme was chaired by Dr. Mukunda Vem and coordinated by Dr. K. Prasad Babu along with faculty of the Department.

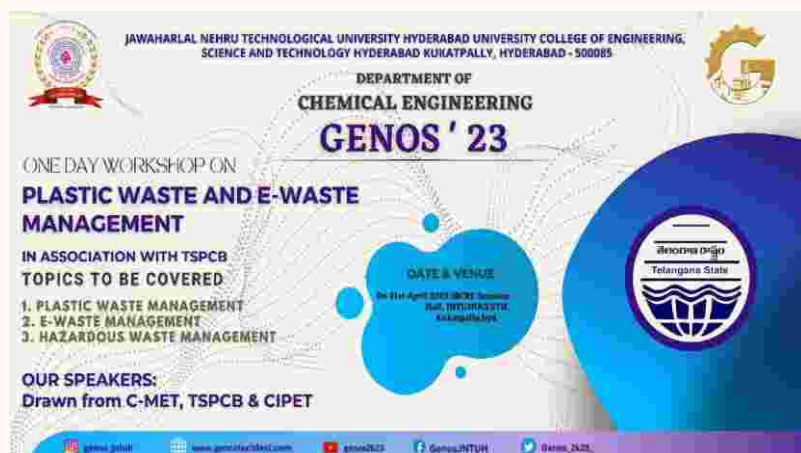


Department has conducted National Level Technical Symposium GENOS'2023 on April 26th and 27th 2023.

- Inauguration of Souvenir by Principal, Vice-Principal, Head of the Department & Faculty- GENOS'23



•Workshop on “Plastic Waste and E-waste Management” 21st April, 2023



- Mr. Arbind Kumar, Scientist G & Head, Refractory Metals Division & hafnium Plant C-MET, Hyderabad delivered a talk on **“Plastic Waste Management Overview”** for B. Tech. (Chem. Engg.) II/IV, III/IV, IV/IV students on April 21st 2023 in JNTUH UCESTH organized by Dr. M. Thirumala Chary, Professor Emeritus Department of Chemistry & (I/c) Head Department of Chemical Engineering and attended by Dr. T. Bala Narsaiah, Former Head of Chemical Engineering, JNTUH UCESTH.



- Mr. Anjaneya Sharma, Manager & Training Head, CIPET, Cherlapally, Hyderabad delivered a talk on **“Plastic Waste Management Overview”** for B. Tech. (Chem. Engg.) II/IV, III/IV, IV/IV students on April 21st 2023 in JNTUH UCESTH organized by Dr. M. Thirumala Chary, Professor Emeritus Department of Chemistry & (I/c) Head Department of Chemical Engineering and attended by Dr. T. Bala Narsaiah, Former Head of Chemical Engineering, JNTUH UCESTH.

- Dr. Devarai Santhosh Kumar, Associate Professor, Dept. of Chemical Engineering, IIT Hyderabad, delivered a talk on **“Outreach of Chemical Engineering”** for B. Tech. (Chem. Engg.) II/IV, III/IV, IV/IV students on April 21st 2023 in JNTUH UCESTH organized by Dr. M. Thirumala Chary, Professor Emeritus Department of Chemistry & (I/c) Head Department of Chemical Engineering and attended by Dr. T. Bala Narsaiah, Former Head of Chemical Engineering, JNTUH UCESTH.



- Dr. D. Ashok, (Retd. Professor) of Osmania University has delivered a talk on **“Concept of Green Chemical Technologies for Sustainable Industrial Growth”** for B. Tech. (Chem. Engg.) II/IV, III/IV, IV/IV students on April 26th 2023 in JNTUH UCESTH organized by Dr. M. Thirumala Chary, Professor Emeritus Department of Chemistry & (I/c) Head Department of Chemical Engineering and attended by Dr. T. Bala Narsaiah, Former Head of Chemical Engineering, JNTUH UCESTH.



- Ms. S. Lavanya, Regulatory Affairs Department in Dr. Reddy's Laboratories Limited, has delivered a talk on **“Drug regulatory in pharmaceutical industry”** for B. Tech. (Chem. Engg.) II/IV, III/IV, IV/IV students on April 26th 2023 in JNTUH UCESTH organized by Dr. M. Thirumala Chary, Professor Emeritus Department of Chemistry & (I/c) Head Department of Chemical Engineering and attended by Dr. T. Bala Narsaiah, Former Head of Chemical Engineering, JNTUH UCESTH.

Industrial Visits:

The student of B.Tech. III and IV (Chemical Engg.) attended with Nano Technology **“Industrial tour visit to ARCI, Hyderabad”**, on February 10th 2023, and attended by Mrs. P. Sowmya, faculty Coordinator (Assistant Professor (C) of Chemical Engineering Department and Mr. Rakesh, Dept. of Nano Technology, JNTUH UCESTH.



- The student of B.Tech. III and IV (Chemical Engg.) attended **“Industrial tour visit to NFC, Hyderabad”**, on March 6th 2023 and attended by Mrs. P. Sowmya, faculty Coordinator (Assistant Professor (C) of Chemical Engineering Department, JNTUH UCESTH.
- The student of B.Tech. II (Chemical Engg.) attended **“Industrial tour visit to Glochem Industries Ltd, bolaram, Hyderabad”**, on April 15th 2023 and attended by Mr. Dipankar Das, faculty Coordinator (Assistant Professor (C) of Chemical Engineering Department, JNTUH UCESTH.



Clubs and Activities:

- K.S.V.L.Meenakshi (Roll No.19011A0828) IV B. Tech. & Appineni Keerthi Sai (Roll No.20011A0802), Giri Poojitha (Roll No.20011A0813), from club participation in Orientation program on December 14th, 2022 is adjudged as the best presentation on 4th November 2022



NSS/NCC Activities:

- Organized Plantation programme on 24th November, 2022 under National Service Scheme (NSS), Dr. T. Bala Narsaiah & Dr. Ch. Ramesh, NSS dept. faculty incharge, 120 students are participated.

A green banner for the NSS Plantation Programme. At the top left is the JNTU logo, and at the top right is the NSS logo. The text in the center reads: "NATIONAL SERVICE SCHEME (NSS)", "JNTU UNIVERSITY COLLEGE OF ENGINEERING HYDERABAD", "DEPARTMENT OF METALLURGICAL ENGINEERING & DEPARTMENT OF CHEMICAL ENGINEERING", "PLANTATION PROGRAMME", and "24th November 2022". On the left, there is an illustration of hands holding a small plant in soil. On the right, there is an illustration of a small green plant with leaves growing out of the ground. The banner is decorated with green foliage at the top and bottom.

Any Other Achievements by Students:

| S. No. | Roll Number | Name of the Students | Award | Title | Event | Organized by |
|--------|-------------|---------------------------|-----------------------------------|--|---|---|
| 1 | 18011A0811 | Ch. Nikhil Teja | Skill development Training Course | Water Purification and Water Analysis | CSIR-Integrated skill Initiative | Process Engineering & Technology Transfer Dept. at CSIR-IICT, Hyderabad on 4.8.2022 to 4.9.2022 |
| 2 | 18011A0811 | Ch. Nikhil Teja | State Level Elocution Competition | Hyderabad Liberation Movement-Struggles and Sacrifices | AzadiKaAmrit Mahotsav | Raj Bhavan, Telangana on 17th Sept. 2022 |
| 3 | 19011A0801 | BhargavSreeramulu Naidu A | 1 st Position | CHEMTRIX 2K22 | Chasse AV Tresror | St. Joseph's College of Engg. (an Autonomous Institution) Chennai-119, on 17th Sept. 2022 |
| 4 | 19011A0840 | Pratheek P | 1 st Position | CHEMTRIX 2K22 | Chasse AV Tresror | St. Joseph's College of Engg. (an Autonomous Institution) Chennai-119, on 17th Sept. 2022 |
| 5 | 19011A0833 | M. Divya Sai | 2 nd Position | CHEMTRIX 2K22 | Spot the Chem, National Level Student Symposium | St. Joseph's College of Engg. (an Autonomous Institution) Chennai-119, on 17th Sept. 2022 |
| 6 | 19011A0856 | V.S.Yasaswi Kapila | 2 nd Position | CHEMTRIX 2K22 | Spot the Chem, National Level Student Symposium | St. Joseph's College of Engg. (an Autonomous Institution) Chennai-119, on 17th Sept. 2022 |
| 7 | 19011A0828 | Meenakshi KSVL | 3 rd Position | CHEMTRIX 2K22 | Chasse AV Tresror | St. Joseph's College of Engg. (an Autonomous Institution) Chennai-119, on 17th Sept. 2022 |
| 8 | 19011A0855 | Varshith V | 3 rd Position | CHEMTRIX 2K22 | Chasse AV Tresror | St. Joseph's College of Engg. (an Autonomous Institution) Chennai-119, on 17th Sept. 2022 |
| 9 | 19011A0804 | A.Chandana | 2 nd Position | CHEMTRIX 2K22 | CHEMIPEDIA, National Level Student Symposium | St. Joseph's College of Engg. (an Autonomous Institution) Chennai-119, on 17th Sept. 2022 |
| S. No. | Roll Number | Name of the Students | Award | Title | Event | Organized by |
| 10 | 19011A0831 | M. Sushma | 2 nd Position | CHEMTRIX 2K22 | CHEMIPEDIA, National Level Student Symposium | St. Joseph's College of Engg. (an Autonomous Institution) Chennai-119, on 17th Sept. 2022 |
| 11 | 19011A0801 | BhargavSreeramulu Naidu A | Presented a paper in Oral | SCHEMCON-2022, | 18 th Annual session on | NIT Warangal on Sept. 23 & 24,2022 |

| | | | | | | |
|---------------|--------------------|-------------------------------------|-----------------------------------|--|--|--|
| | | | Session | Sustainable Technological Advancements in Chemical Industries | Chem. Engg. students Congress (STAC-2022) | |
| 12 | 19011A0828 | Meenakshi KSVL | Presented a paper in Oral Session | SCHEMCON-2022, Sustainable Technological Advancements in Chemical Industries2022 (STAC_2022) | 18 th Annual session on Chem. Engg. students Congress (STAC-2022) | NIT Warangal on Sept. 23 & 24,2022 |
| 13 | 19011A0854 | V. Veda Rishi | Presented a paper in Oral Session | SCHEMCON-2022, Sustainable Technological Advancements in Chemical Industries2022 (STAC_2022) | 18 th Annual session on Chem. Engg. students Congress (STAC-2022) | NIT Warangal on Sept. 23 & 24,2022 |
| 14 | 19011A0856 | Venkata Sai Murali YasaswiKapila | Presented a paper in Oral Session | SCHEMCON-2022, Sustainable Technological Advancements in Chemical Industries2022 (STAC_2022) | 18 th Annual session on Chem. Engg. students Congress (STAC-2022) | NIT Warangal on Sept. 23 & 24,2022 |
| 15 | 20011A0801 | A.S.V. Parthasarathi | Participated | Engineering Challenges in EV Safety- Stage-1 | Competition | IIT Gandhinagar, Center for Safety Engineering (CSE), on Sept. 26,2022 |
| 16 | 21015A0807 | Kareem SkShaheen | Participated | Engineering Challenges in EV Safety- Stage-1 | Competition | IIT Gandhinagar, Center for Safety Engineering (CSE), on Sept. 26,2022 |
| 17 | 20011A0821 | K.PranathiVenkataPavani | Participated | Engineering Challenges in EV Safety- Stage-1 | Competition | IIT Gandhinagar, Center for Safety Engineering (CSE), on Sept. 26,2022 |
| S. No. | Roll Number | Name of the Students | Award | Title | Event | Organized by |
| 18 | 20011A0839 | STP Lakshmi Sowmya | Participated | Engineering Challenges in EV Safety- Stage-1 | Competition | IIT Gandhinagar, Center for Safety Engineering (CSE), on Sept. 26,2022 |
| 19 | 20011A0844 | S. PreetiAbhishikta | Participated | | | |
| 20 | 20011A0801 | A.S.V. Parthasarathi | Participated | E-Mobility in India: Safety and The Way Forward | Two day Symposium | IIT Gandhinagar, Center for Safety Engineering (CSE), on Sept. 27-28,2022 |

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|----|------------|---|--|---|------------------------|---|
| 21 | 21015A0807 | Kareem SkShaheen | Participated | E-Mobility in India: Safety and The Way Forward | Two day Symposium | IIT Gandhinagar, Center for Safety Engineering (CSE), on Sept. 27-28,2022 |
| 22 | 20011A0821 | K.Pranathi VenkataPavani | Participated | E-Mobility in India: Safety and The Way Forward | Two day Symposium | IIT Gandhinagar, Center for Safety Engineering (CSE), on Sept. 27-28,2022 |
| 23 | 20011A0839 | STP Lakshmi Sowmya | Participated | E-Mobility in India: Safety and The Way Forward | Two day Symposium | IIT Gandhinagar, Center for Safety Engineering (CSE), on Sept. 27-28,2022 |
| 24 | 20011A0844 | S. PreetiAbhishikta | Participated | E-Mobility in India: Safety and The Way Forward | Two day Symposium | IIT Gandhinagar, Center for Safety Engineering (CSE), on Sept. 27-28,2022 |
| 25 | 18011A0811 | Ch. Nikhil Teja | Poster Presentation | Climate Change | One day Workshop | IST & Dept. of Civil Engg. JNTUH UCEH in collaboration with Bronx Community College/CUNY US-India Climate Collaborative (CICC) Sept.28th, 2022 |
| 26 | 18011A0801 | Abhishek Dutta | | | | |
| 27 | 19011A0855 | Varshith V | VOICE4Girls | Counselor | Interned with Voice | Interned with Voice VOICE4Girls from 14.08.2022 to 29.08.2022 |
| 28 | 20011A0801 | A.S.V. Parthasarathi (3 rd year) | Presented a Poster entitled "Review on advanced separation processes for oil /water using membrane technologies" | Creating Profound Impact through Multidisciplinary Collaborations (CPIMC-2022) | International Workshop | Membrane Separations Laboratory, Process Engineering and Technology Transfer Department, CSIR-Indian Institute of Chemical Technology, Hyderabad. November 28 -29, 2022 |
| 29 | 20011A0810 | D. Hari Varshith | | | | |
| 30 | 20011A0827 | M. Mahesh Babu | | | | |
| 31 | 20011A0833 | Perolla Sai Shruthi | | | | |
| 32 | 20011A0834 | P.Pavan Kumar | International Workshop Presented a Poster | Review on advanced separation processes for oil/water.....using membrane technology | International Workshop | Membrane Separationns Laboratory, Process Engineering and Technology Transfer Department, CSIR-Indian Institute of Chemical Technology, Hyderabad. November 28 -29, 2022 |
| 33 | 20011A0837 | P.Chaithnya Prasad | | | | |
| 34 | 20011A0838 | R.Gowtham | | | | |
| 35 | 21015A0803 | G. Ajay Shankar | | | | |
| 36 | 21015A0804 | Ch.Nikhil Kumar | | | | |
| 37 | 21015A0805 | E. Sainikhil | | | | |

- **JNTUH CEH Library: Information about the Books/Journals/Online sources/ Unique Features / Facilities.**

- **Library Books:**

| S.No | Subject Name | Title | Author Name | Publisher | Number of Copies |
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| 1 | Introduction to Chemical Engg | Chemical Engg an Introduction | Morton. M.Denn | Cambridge University Press | 01 |
| 2 | Chemical Process Calculations | Chemical Process Principles | O.A. Hougen, K.M. Watson, R. A.Ragatz | Asia Publishing House | 01 |
| 3 | Chemical Engg Fluid Mechanics | Unit Operations Of Chemical Engg | W. L. McCabe , J.C.Smith | Mc. Graw-hill (3rd edition) | 01 |
| 4 | Thermodynamics | Steam Tables with Miller Diagram(in SI units) | R.S.Khurmi | S.Chand& Company LTD | 01 |
| 5 | Heat And Mass Transfer | Analysis of mass contactors & heat exchangers | T.W.F Russell, A.S. Robinson, N.J.Wagner | Cambridge University Press | 01 |
| | | Diffusion- Mass transfer in fluid systems | E.L.Cussler | Cambridge University Press (3rd edition) | 01 |
| | | Process heat transfer | Donald.Q.Kern | Mc. Graw-hill | 01 |
| 6 | Chemical Reaction Engg | Chemical Reaction Engg | Octave Levenspiel | Wiley Eastern University (2nd edition) | 01 |
| 7 | Instrumentation & Process Control | Automatic Process Control | Donald. P.Eckman | Wiley Eastern Limited | 01 |
| 8 | Process Modeling & Simulation | Mathematical Modelling & Simulation in Chemical Engg | M.Chidambaram | Cambridge University Press | 01 |
| | | Computational Simulation tools in Engg | V.Ramesh Kumar, T.BalaNarsaiah,K.Ravi Chand | BS Publications | 01 |
| 9 | Transport Phenomena | A modern course in transport phenomena | D.C.Venerus, H.C.Ottinger | Cambridge University Press | 01 |
| 10 | Chemical Engg Plant Design & Economics | Plant design & economics for chemical Engg | M.S.Peters, K. D. Timmerhaus | Mc. Graw-hill (3rd edition) | 01 |
| 11 | Petroleum Refining & Petro-Chemicals | Petroleum Processing | V.P.Sukhanov | MIR Publishers | 01 |
| | | Instrumentation manual petroleum processing & petro-chemical industries | N.Komissarova | MIR Publishers | 01 |
| 12 | Material Science | Strength of materials | N.K.Mehta | MIR Publishers | 01 |
| | | Material science & metallurgy | Dr. O.P.Khanna | Dhanpat Rai & Sons | 01 |
| 13 | Energy Engg | Fuels & Combustion | S.P.Sharma chander Mohan | Tata Mc. Graw -hill | 01 |
| 14 | Optimization Methods | Optimization In Chemical Engg | Suman Dutta | Cambridge University Press | 01 |
| 15 | Introduction to Chemical Engg | Chemistry Hand Book | Dr.Hansraj Modi | Arihant | 01 |
| 16 | | The JnmForbesons Group | | | 01 |
| 17 | | Hand Book of Chemical Engg | Dr.Anjali Shukla | Academic Publisher | 01 |
| 18 | | Perry's Chemical Engg | Robert H.Perry | Mc.Grawhill | 01 |

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|----|--|--|---------------------|---|----|
| 19 | | Hand Book | Donw.Green | | |
| 20 | Chemical Process Caluclations | Process Caluclations For Chemical Engineers | | Chemical Engg Education Development Center Iit Madras | 01 |
| 21 | Thermodynamics | Indian Society Of Heating Refrigerating & Air Conditioning Engineers | R.V.Simha | | 01 |
| 22 | | | G.V.Rao | | |
| 23 | | | T.Hari Rao | | |
| 24 | | | P.V.Balasubramanian | | |
| 25 | Chemical Reaction Engineering | Chemical Reaction Engineering Kinetics | J.M.Smith | M.C.Graw Hill(2nd Edition) | 01 |
| 26 | Process Modeling and Simulation | Chemical Process Modeling & Computer Simulation | Miiya.K.Jana | | 01 |
| 27 | | Process Plant Simulation | B.V.Babu | Oxford | 01 |
| 28 | Chemical Engg Plant Design & Economics | Chemical Project Economics | V.V.Mahajani | | 01 |
| 29 | | | S.M.Mokashi | | 01 |
| 30 | Petroleum Refining And Petro Chemicals | Modern Petroleum Refining Process | B.K.Bhaskara Rao | Oxford &Ibh | 01 |
| 31 | | Petro Chemicals | S.L.Venkiteswaram | | 01 |
| 32 | | Petroleum Refining | G.M.Sarkar | Khanna | 01 |
| 33 | | Petro Chemicals | B.K.Bhaskara Rao | Khanna | 01 |
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