



NEWSLETTER

From 1st July 2018 to 30th June 2019

DEPARTMENT OF CHEMICAL ENGINEERING JNTU 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.



JNTU 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 1.	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. M. Anitha	Assistant Professor (C)
4	Mrs. N. Vandana	Assistant Professor (C)
5	Dr. Ch. Ramesh	Assistant Professor (C)
6	Mrs. P. Sowmya	Assistant Professor (C)

Department Laboratory:

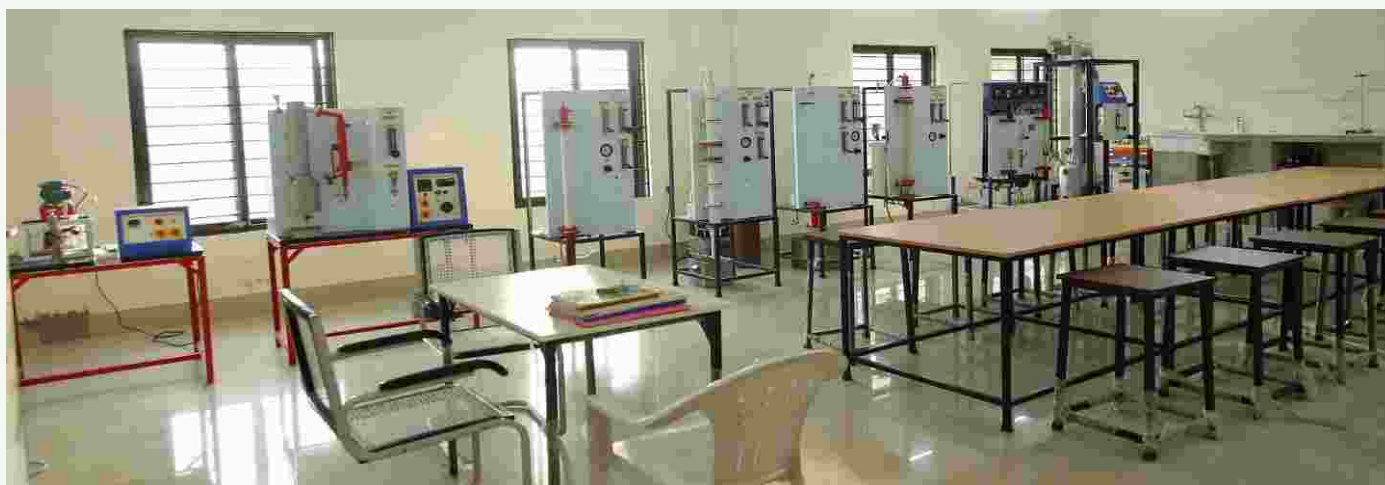
Instrumentation & Process Control Lab: - Lab Conducted at Osmania University

Process Simulation Lab: - Lab Conducted at Metallurgical Engineering Department, JNTUH

Fluid Mechanics Lab: - Lab Conducted at Civil Engineering Department, JNTUH

Mechanical Operations Lab: - Lab Conducted at Metallurgical Engineering Department, JNTUH

Mass Transfer Operations Lab:



Mass Transfer Operations Lab

Chemical Reaction Engineering Lab:



Chemical Reaction Engineering 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	16.07.2018	S- Type Chairs	10 nos	938	9380
2	20.08.2018	Kraftech slotted angle racks	2 nos	3051	7200
3	28.08.2018	Class Room Tables	6 nos	1840	11040
4	23.04.2018	DELL Optiplex 3050MT Desktop	12 nos	50002	600030
5	15.10.2018	DELL Optiplex 7050MT	13 nos	67075	915574

New Equipment/Software Installed:

S. No.	Date	Details of the Equipment	Quantity	Cost of the Equipment
1	20.07.2018	H2S vials kit for 100 tests	1	7875
2	20.07.2018	Colorimeter/Photometer with 120 Pre-Programmed Water Analysis Methods	1	147000
3	20.07.2018	Analytical Balance (Semi-Micro)	1	183750
4	20.07.2018	COD Reactor (MD200 COD VARIO Complete Setup)	1	162750
5	27.07.2018	BOD Analyser for BOD Measurement System	1	367500
6	03.08.2018	HP LASERJET PRO M1136 All in one Printer	1	12390
7	10.08.2018	Air Compressor	1	25000
8	10.08.2018	Conductivity Meter	1	25000
9	10.08.2018	Table Top pH Meter	1	25000
10	10.08.2018	TDS / CONDUCTIVITY Meter	1	25000
11	10.08.2018	Viscometer (BF35 Brookfield Viscometer)	1	367500
12	29.08.2018	Reynold's Apparatus	1	31269
13	29.08.2018	Pressure Drop Through Packed Column	1	57519
14	29.08.2018	Vapour In Air Diffusion Apparatus Tube	1	45969
15	29.08.2018	Absorbtion In Wetted Wall Column	1	102669
16	29.08.2018	Liquid – Liquid Extraction In Packed Bed Column	1	104769
17	29.08.2018	Absorption in Sieve/ Bubble	1	162519
18	29.08.2018	Absorption In Packed Bed Column	1	104769
19	29.08.2018	Tray Dryer	1	38619
20	29.08.2018	Dynamics Of Two Tank Interacting System	1	38619
21	29.08.2018	Dynamics Of Two Tank Non – Interacting System	1	38619
22	29.08.2018	Characteristics Of P.I.D. Controller	1	42819
23	29.08.2018	Control Valve Characteristics	1	110019
24	29.08.2018	Simple Batch Distillation Setup	1	86919
25	29.08.2018	Vapour - Liquid Equilibrium Unit	1	59619
26	29.08.2018	Temperature Control Trainer	1	168819
				Rs.25,42,300/-

Value added course offered by CHEMICAL ENGINEERING department for the year 2018-19

Value added course offered by CHEMICAL ENGINEERING department for the year 2018-19 Department	Name of the value-added courses offered (with 30 or more contact hours)	Year of Offering	Duration of the course	Number of students enrolled in the year	Number of Students completing the course in the year
Chemical Engineering	Municipal Solid Waste Management	2018-19	30 hours	25	24
Chemical Engineering	Carbon Sequestration	2018-19	30 hours	24	22

Faculty Achievements:

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

Courses/ FDPs Attended by the Faculty:

S. No.	Name of the Dept./Centre	Name of the Attended Faculty	Nature of the Event (National Conference, Workshop etc)	Title of the Event	Venue	Date(s)on which Event Organized
1.	Chemical Engineering	Dr. M.Anitha	Short Term GIAN Course	Chemical Vapour Deposition	Department of Technology, University College of Technology (A), OU, Hyderabad	14 th to 20 th Sep, 2018
2.		Ms.P.Sowmya				
3.		Dr. M.Anitha	INCEEE-2019 (2 nd International Conference on New Frontiers in Chemical, Energy and Environmental Engineering.	Presented a paper entitled "Optimization Study of Esterification of Ethylene Glycol With Acetic Acid"	Department of Chemical Engineering, National Institute of Technology, Warangal.	15 th & 16 th February, 2019,
4.		Ms.P.Sowmya				
5.		Ms.P.Sowmya	National Workshop	NBA, accreditation	JNTUHCEH	Feb, 18-19,2019
6.		Ms.N.Vandana				

Students' Achievements:

Prizes/Awards for outstanding performance in Academic/Cultural Activities:

GATE / GRE / GMAT/ CAT Scores etc.

S. No.	Roll No.	Name of the Student	GATE / GRE / GMAT/ CAT	Exam Qualified and Rank Secured
1.	15011A0810	S. charishma	GATE	2105
2.	15011A0822	K. Naveen Reddy	GATE	507
3.	15011A0849	K. Uday Kumar	GATE	1337
4.	15011A0850	R. Umesh	GATE	185
5.	15011A0851	R. Varun Kumar	GATE	2535

JNTUH CEH Placements:

S. No.	Roll No.	Name of the Student	Organization Placed in	Salary Offered
1	15011A0803	Ameeta Singh	Vedanta Limited	7.95 LPA
2	15011A0811	Datta Sai Beeram	Tata Consultancy Services (TCS)	3.3 LPA
3	15011A0823	K. Niharika	Emmerson	4.0 LPA
4	15011A0825	NooraNausheen	Vedanta Limited	7.95 LPA
5	15011A0830	B. Priyanka	Emmerson	4.0 LPA
6	15011A0832	A. Rishi Kishore Reddy	ITC Ltd., Bhadrachalam	6.5 LPA
7	15011A0843	T. Siddharth	Vedanta Limited	7.95 LPA
8	15011A0848	A Y S Thanmayee	Vedanta Limited	7.95 LPA
9	16015A0802	P. Satya Sri Harsha	ECO Labs, Madras	5.0 LPA

List of B.Tech. Student Internships:

S. No.	Roll no.	Student Name	Place of Internship	Date
1	1701140850	A. Vishwasreddy	Dr. Reddy's Laboratories Ltd	15.05.2019 to 31.05.2019
2	1701140827	RavuriSahiti Krishna	AnewaEngineering Pvt. Ltd.	27.05.2019 to 15.06.2019
3	1701140806	KV A Anusha	Vizag Steel Plant	17.06.2019 to 29.06.2019
4	1701140822	T. Pavan Kumar	Vizag Steel Plant	17.06.2019 to 29.06.2019
5	1701140829	Adapa Sai Anirudh	Vizag Steel Plant	17.06.2019 to 29.06.2019
6	1701140840	SriperambudurSriva Ili	Vizag Steel Plant	17.06.2019 to 29.06.2019
7	1701140827	RavuriSahiti Krishna	Oil and Natural Gas Corporation	06.06.2019
8	1701140849	N. Vinod Kumar	Oil and Natural Gas Corporation	19.02.2020

S. No	Roll No.	Name of the Students	Title	Event	Organized by
1	15011A0832	A.Rishikishore Reddy	Chemical Vapour Deposition	One Week GIAN Course 14 th to 20 th Sep, 2018	O.U.C.T.
2	15011A0851	R.Varun Kumar			
1	15011A0828	K. Pramodkumar	Modelling and Simulation of Micro & Macro Multi phase Systems	Five Days Workshop 8 th to 12 th Jan, 2019	NIT, Karnataka
2	15011A0851	R.Varun Kumar			

- Department has conducted National Level Technical Symposium GENOS'2019 on March 15th and 16th 2019.
- One-day Workshop on “Analytical Instrumentation” 28th February, 2019.



Expert Talks/Guest Lectures Organized for UG/PG Students by the Department

- Expert Lecture on “Catalytic deactivation and regeneration.” by Dr. Srinivas Appari Asst Professor, Department of Chemical Engineering, BITS Pilani. on 12.07.2018



- Expert Lecture on “Role of Chemical Engineers in Pollution Control” Mr. B. V. Bhadra Girish, Environmental Engineer in TSPCB, Regional Office-I, Sanga reddy. on 18.12.2018



- Expert Lecture on “Hovering Over Polymers” by Dr. Saptarshi Majumdar, Associate Professor, Department of Chemical Engineering, Indian Institute of Technology, Hyderabad. on 24.01.2019.

