



NEWSLETTER

From 1st July 2017 to 30th June 2018

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

Mass Transfer Operations Lab: Lab Conducted at IST, JNTUH

Chemical Reaction Engineering Lab: Lab Conducted at IST, JNTUH

Fluid Mechanics Lab:-Lab Conducted at IST, JNTUH

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

Energy & Environmental Engineering Lab: Lab Conducted at Chemical & Metallurgical Engineering

Department, JNTUH

Value added course offered by CHEMICAL ENGINEERING department for the year 2017-18

Value added course offered by CHEMICAL ENGINEERING department for the year 2017-18 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	PROCESS SAFETY MANAGEMENT	2017-18	30 HOURS	30	29
CHEMICAL ENGINEERING	FERTILIZER TECHNOLOGY	2017-18	30 HOURS	27	27

Faculty Achievements: Details of Conferences/Seminars/Workshops Attended by Faculty (Please attach photos for overseas events if possible):

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	Workshop	NBA Accreditation (SAR Filling and Preparedness for Assessment)	UGC HRD Auditorium JNTUH, Kukatpally, Hyderabad	14-16 December 2017
2		Mr. Dipankar Das	Phase- I & II of the Faculty Development Program (FDP)	MOOCS & Open Educational Resources	JNTUH, Kukatpally, Hyderabad	5 th to 7 th Jan, 2018 and 21 st & 22 nd May, 2018

Student 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.	14011A0822	S. PatilPrabhu	GATE	1023

JNTUH CEH Placements:

S. No.	Roll No.	Name of the Student	Organization Placed in	Salary Offered
1	14011A0802	G. Anurag	Divis Lab	3 LPA
2	14011A0803	R. Ashik	Tata Consultancy Services	3.36 LPA
3	14011A0809	GurugubelliDivya	Tata Consultancy Services	3.36 LPA
4	14011A0811	N. Induja	Orient Cement	4 LPA
5	14011A0813	A.K. Kavya	Vedanta Limited	7.95 LPA
6	14011A0816	K. Mithila	Learn PediaEdutech PH Ltd.	1.8 LPA
7	14011A0820	Mohd. Yousuf Khan	Vedanta Limited	7.95 LPA
8	14011A0821	D. PrabhatSourya	ITC Limited	6.58 LPA
9	14011A0822	S. PatilPrabhu	ITC Limited	6.58 LPA
10	14011A0824	B. Rajesh Kumar Goud	Sai Life Science	3 LPA
11	14011A0825	R. Rakshandana	Sai Life Science	3 LPA
12	14011A0828	R. Rekha	Infosys, Mysore	3.4 LPA
13	14011A0842	T. Sivaram	ITC Limited	6.58 LPA
14	14011A0843	A.Spoorthy	Sai Life Science	3 LPA
15	14011A0845	R. Srividya	Vedanta Limited	7.95 LPA
16	14011A0851	K. VenkataGangadhar	Divis Lab	3 LPA
17	14011A0853	T. Venkata Sai Teja	Sai Life Science	3 LPA
18	14011A0854	D. Venkata Siva Krishna Reddy	Sai Life Science	3 LPA
19	14011A0859	Y. Emmanuel Jonathan	Berger Paints	5.5 LPA
20	15015A0803	G. Sachin Kumar	C N Water System	2.8 LPA
21	15015A0804	B. Srikanth	Arora Pharmaceutical (Mylan)	2.6 LPA
22	15015A0806	R. VenkataDatha Naga Suresh	Arora Pharmaceutical (Mylan)	2.6 LPA

B.Tech. Chemical engineering students conducted a one-day workshop on “Tech in Pharma on computational Chemistry” on 15th February 2018 at JNTUH CEH.

• Technical Paper Presentations:

S. No.	Name of the Dept./Centre	Name of the Student	Name of the Award	Prize Received	Awarded by
1.	Chemical Engineering	NooraNausheen	6 th -7 th oct,17 Paper Presentation (PROMETHEAN' 17)	1 st Prize&Momen to	BVRIT Narsapur
2.		Ameeta Singh			
3.		NooraNausheen	28 th Oct 2017 Paper Presentation (ATMOS'17)	1 st Prize	BITS Pilani Hyderabad
4.		Ameeta Singh			
5.		NooraNausheen	7 th Oct 2017 Paper Presentation (RASAYANIKA'17)	1 st Prize	VSR, Hyd

Sports News:

S. No.	Name of the Student	Class & Branch	Game/Event	Hosting University / College
1	N. Srujana 15011A0844	III B.Tech. & Chemical Engineering	Volley Ball	JNTUH CEH
2			Volley Ball, 2 nd place	CVSR (Anurag Group of Institute) / ALL INDIA SPORTS
3			Volley Ball	VNR VJIET
4			Volley Ball	BITS, HYDERABAD

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

- Expert Lecture on “Real Time Optimization and Control of Process Industries” Dr. B. Sankara Rao, Senior Manager, Optimization and Control Division, Schneider Electric – Cognizant ODC. on 05.03.2018
- Department has conducted National Level Technical Symposium GENOS'2018 on March 13th and 14th 2018.