

Name of Faculty Dr. Ravi Gujjala
 Designation Adjunct Professor
 Nature of Job/Appointment Professor in Chemical Engineering Department
 Date of Joining 21-08-2024
 E-mail ravigujjula@gmail.com



Education Qualifications	Name of the Degree	Class
Ph. D	Chemical Engineering I I T-Hyderabad.	Awarded
PG	M.Tech-Chemical Engineering	First with Distinction
UG	B.Tech (CSIT) B.Tech-Chemical Engineering	First

Work Experience

Teaching 8 Years
 Research 5 Years
 Industry 6 Years
 Others 7 Years
 Area of Specialization Chemical Engineering, Multiphase flow, Computational fluid dynamics
 Professional Memberships
 1. Convener- -AP State level Skills competitions as part of WorldSkills 2022
 2. Naandi Foundation-Mahindra Pride Communication Skills project for Engineering students & ITI students
 3. Member of Andhra Pradesh State Research Board (APSRB) & Research Coordination Committee Member in Andhra Pradesh Council of Higher Education (APSCHE), Govt of AP from AY 2022 to 2025.
 Responsibilities held at Institution Level Adjunct Faculty, Department of Chemical Engineering
 Research Guidance
 1. PhD Thesis Evaluator and External Examiner for KL University
 2. Mentored student teams for skill development projects in collaboration with organizations such as APSSDC
 3. Supervised students in industry-oriented projects through collaborations with companies like Samsung PRISM, Oracle Academy, and UiPath
 Awards Received
 1. Best Education Leadership award in National Talent Acquisition Conclave-2017 organized by SHRE (Strategic Human Resource Institute)
 2. ASSOCHAM award-2019 as best state in skilling, 2019 from ASSOCHAM, Delhi
 Courses Handled at Under Graduate / Post Graduate Level. Fluidization, Heat Transfer, CRE, Mass transfer, Multiphase flow, Converting waste into Energy, ERP-SAP-ABAP, Skill Development
 No. of Papers Published National Journals – International Journals – 14
 National Conference – 17 International Conference – 16
 Projects Carried out
 1. Andhra Pradesh state skill Development Corporation (APSSDC) - successfully established various Center of Excellence (CoE) projects and partnerships with multinational companies in the domain of skill development for technical students and unemployed youth. Outcome: For AY 2020-2021 and AY 2022-2022, 35,000 students got placed through APSSDC technical skill training programs

followed by Communication skills

2. Principal Investigator for DST sponsored Project with an objective to promote entrepreneurship development in the engineering colleges and university campuses Innovation & Entrepreneurship online faculty development training program, 2021. DST-SERB-International travel grant fellowship awarded to attend CFB-12 conference at Krakow, Poland during the period of 22-27th May 2017.
3. Aparna Herbal extraction: Heat Exchanger design analysis using CFD tool to enhance heat exchange. (2016-2017)
4. Established a Dassault 3D experience Center of Excellence (CoE) and 63 nodal centers in the engineering colleges in the thirteen districts of Andhra Pradesh during the period of 2018-2021. The outcome of CoE is yielded as 60000 students got trained out of which 5456 students got placements, 394 patents generated, 941 SCI, SCOPUS publications, and 707 student Innovative projects produced.
5. Submitted a project proposal with a worth of 6.5Cr for seeking financial support under "IT for masses" for it skill development training to MeitY, Govt. Of India, in Emerging Technologies to Scheduled Caste (SC) Candidates in Andhra Pradesh in association with C-DAC (Centre for Development of Advanced Computing), Hyderabad.
6. APSSDC-SAMSUNG PRISM (Preparing and Inspiring Students' Mind) project.
7. Google India partnership with APSSDC to impart technical skills like Project Management, IT tech support, IT automation, UX design, Data Analytics, Digital Marketing,

Patents

1. Established a Dassault 3D experience Center of Excellence (CoE) and 63 nodal centers in the engineering colleges to impart technical skills like CATIA, DELMIA, SIMULIA in the three manufacturing domains of Aerospace/defense, Manufacturing/Automotive & Shipbuilding/Marine in
2. the thirteen districts of Andhra Pradesh during the period of 2018-2021. The outcome of CoE is yielded as 60000 students got trained out of which 5456 students got placements, 394 patents generated, 941 SCI, SCOPUS publications, and 707 student Innovative projects produced.

Technology Transfer

1. Delivered a Guest talk at Inaugural of International Training Program on Cyber Security –SOC & XDR in association with CTE at KL University, Vijayawada, Aug-Sep, 2023.
2. Delivered a talk on career planning, challenges & and job opportunities to the graduate youth of Kantheru Village, of Gunture District, AP on 8th Sep 2023.
3. Delivered a Guest talk on "Addressing societal problems with technology & Converting Ideas into products on the eve of CBSE Science Exhibition 2022-23, Dec 13-14, 2022. Nalanda Vidyaniketan, Vijayawada, Andhra Pradesh
4. Delivered a Keynote address "Electronic Product Build -A-Thon" a unique program to build skills in electronic product development by VOLTERA & Smart Internz, March 2021.

Invited Speaker

5. Delivered a guest talk at orientation to the First year B.Tech students at Chebrolu Engineering College, Nov 2021
6. Delivered an Inaugural talk at 3-day virtual workshop on Energy Modelling and Simulation of HVAC Systems (EMSHVAC), RGM CET Nandyal sep 2021.
7. Delivered a talk on the impact of skills development in engineering education on the eve of Endowment awards distribution at DMS SVH Engineering College Machilipatnam, Sep 2021.
8. Delivered a Talk on Computational Fluid Dynamics & its Application in a Virtual workshop on Advances in Fluid Mechanics –Online organized by Dept. of Mathematics, KL University, Sep.2020.
9. Delivered a guest talk on the importance of Data Science and how to make it in regular practice for engineering faculty in teaching and research, Online FDP program in

- association with APSSDC- ExcelR, June 2020.
10. Delivered a guest talk -Online Faculty Development Program (OFDP) on "Research challenges and opportunities Post Covid19" @ RECOP-2020 Organized by Sri Vasavi Engineering College, Tadepalli Gudem and MHRD institution and innovation cell, May 2020.
 11. Delivered a Guest talk at the RedPine signals company, Hyderabad on the eve of AI training center inauguration at Hitech city, Hyderabad, 20 Jan 2020.
 12. Delivered a talk on the establishment of Dassault 3D experience engineering Design skills development and its importance at APSSDC Dassault Regional Meeting-JNTU Anantapur. 6th Jan 2020.
 13. Delivered a Guest speaker talk at TPO's CAPACITY DEVELOPMENT PROGRAM which is organized in collaboration with AP TPO Consortium on 14th December 2019 at GVP College of Engineering (Autonomous), Vizag, 14th December 2019
 14. Delivered a talk on "Emerging challenges and opportunities for YOUTH in skills development perspective" in Three Day Residential Training Programme for ToT of NEHRU YUVA KENDRA SANGATHAN(NYKS), at Andhra Pradesh Human Resource Development Institute, Bapatla, 5th
 15. September 2019. 15. Delivered a Guest talk on the Importance of acquiring industry demanded skills and certification at 4-Day workshop on Systems Engineering - Dymola, 22-25th July 2019, organized by APSSDC in association with CR Reddy Engineering College, 22-25th July 2019,

No. of Books/Chapter Published with details

1. Participated in Refresher Course on FLOW, HEAT TRANSFER AND THEIR APPLICATIONS from 12th Nov 2003 to 03 Dec 2003. Conducted by UGC-Academic Staff College in J N T U, Hyderabad.
2. Participated in Refresher Course on Cooling of Electronic Equipments from 5th Jun 2004 to 20th Jun 2004. Conducted by ISTE-AICTE in Srinidhi Institute of Science and Technology Hyderabad, India.
3. Participated in One day short term course on CFD-GPU on 8th Oct 2010 at IIT Hyderabad.
4. Participated in Two day's workshop on "NBA-SAR Filling Preparedness for Assessment"- 15-16th Oct 2016, Engineering Staff College of India.
5. Participated in Sensitization workshop on "National Science and Technology Information System and Policy" Held during October 12th -13th, 2017 at SR International Institute of Technology, Hyderabad.
6. Attended online faculty development program on Data Science by APSSDC-Excel from 1st June to 29th June 2020,

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (Attended and/or Organized).

Details of Journal Publications/ Conferences (National and International)

National Conferences (2017 onwards):

1. Participated in TASK Day meet –University alliance program- Deloitte courageous principals meet, RedHot-meet, SAP-meet, 15th September, 2017, in Hotel PARK, Hyderabad
2. Coordinated a state level JGNANABHERI program lead by AP CM in all 13 districts of AP 2018-2019
3. Organized a IT SKILLS workshop at Vizag in association with ITAP, APNRT, APITA, APSCH &
4. MNC companies like TCS, HCL, WIPRO, Infosys at Vizag, 2021, Organized a State level Skills competition as part of world skills 2021, Vijayawada

International Conferences (2017 onwards):

1. Ravi Gujjula, Priyanka.K, Narasimha.M, bala Narasaiah "Effect of particle size on hydrodynamics of an internally circulating fluidized bed with a draft tube" 12th International conference on Fluidized bed Technology, 22-27th May 2017, Krakow, Poland.
3. Ravi Gujjula, Narasimha.M, CFD-DEM coupling studies on Hydrodynamics of Internally Circulating Fluidized bed with draft tube, IFSA 2019, Industrial Fluidization South Africa, 4-5th October 2017
4. M. Durga Prakash & Ravi Gujjula Electrospun Multiwall Carbon Nanotube-Embedded SU-8 Nanofibers:

International Journal Publication:

1. Mona, Teja, Ravi Gujjula, Narasimha Mangadoddy Prediction of solid circulation rate in an internally circulating fluidized bed: An empirical and ANN approach "Flow Measurement and Instrumentation" Volume 88, December 2022, 102274.
2. Srinivas Rao, P.PhanibushanRao, Ravi Gujjula, Charan "The characteristics of the heat source and chemically radiative MHD boundary layer slip flow of a Casson fluid over an exponentially elongating sheet" Lecture Notes in Mechanical Engineering, 2021
3. Sai Sarath K, Rayapati Subbarao, Dakshina Murthy Inturic, Ravi Gujjula "Influence of Heat Treatment on Mechanical and Micro Structural Properties of Titanium Alloys for Enhanced Applications" Materials Today: Proceedings, 18th Oct 2017
4. G.B Dharma Rao, Ravi gujjula "Green approach towards synthesis of 3-substituted-5-carbonylmethyl-1,2,4- oxadiazoles without any solvent and catalyst via transamidoximation. Int. J. Adv. Res. 2016, 4(9), 416-422.
5. Ravi Gujjula, Narasimha.M "Experimental Investigation of Hydrodynamics of gas-solid flow in an internally circulating fluidized bed". Canadian journal of Chemical Engineering. 2015, 93 (8). pp. 1380-1391. ISSN 0008-4034
6. Ravi Gujjula, Narasimha.M "Prediction of solid recirculation rate and solid volume fraction in an internally circulating fluidized bed" International Journal of Computational Methods, 2015, Vol. 12, No.4 ,PP 154-179.
7. Ravi Gujjula, Narasimha.M, Hydrodynamic study of gas-solid internally circulating Fluidized bed using multi-phase CFD model, Journal of Particulate science & Technology, 2015. DOI:10.1080/02726351.2015.1013590
8. Indrapal Reddy A. Ravi Gujjula, Makam S, Shreya Nyapati and Ravinder Rudravaram. Production and Optimization of Xylanase from Penicillium species in Solid-State Fermentation. Int. J. Rec. Biotech. 2015, 3 (2): 15-21. ISSN: 2322 – 0392.
9. Haritha, K and Burte, N P and V, Prasanna and Ravi Gujjula "Extraction and elemental analysis of Coleus forskohlii extract". Pharmacognosy Research, 2015 7 (3). pp. 237-241. ISSN 0976-4836.
10. Teja Vakamalla, Kedar S. Kumbhar, Ravi Gujjula, Narahimha Mangadoddy "Computational and experimental study of the effect of inclination on hydro-cyclone performance" Journal of Separation and Purification Technology, 2014, Vol 138, 104-117.
11. Teja Reddy Vakamalla, Veera Badra rao, Ravi Gujjula, Narahimha Mangadoddy "Design of Efficient Hydrocyclone for Ultra-Fines Classification Using Multi-Phase CFD Model"(Communicated- Minerals Engineering).2016
12. K.C.Haritha, J.Ravi kumar, Iliasbasha, Ravi Gujjula and B.santhamma (2012) wound healing activity of topical application of aloe vera gel in experimental animal models, International Journal of Pharma and Bio Sciences. 2012, 3(2), P 63-72.
13. Ravindra Pogaku , Jegannathan Kenthorai Raman and Gujjula Ravi(2012) Evaluation of Activation Energy and Thermodynamic Properties of Enzyme-Catalysed Transesterification Reactions, Advances in Chemical Engineering and Science, 2012, 2, 150-154.
14. 14. Suchitra.K, Ravi Gujjula, Ravindra P, Bhagawantha Rao, Venkateswar S "Studies on Bio-Reduction of 3,4,5-TMB Acid to 3,4,5-TMB Aldehyde" Journal of.AP.Academy of Science 2002 Vol 22 PP 293-298.

స్వయం తేజస్విన్ భవ

1979