

Name of Faculty Dr. PRASANNA RANI REDAPANGU
 Designation ASSISTANT Professor
 Nature of Job/Appointment Regular
 Date of Joining 27 – 09 – 2021
 E-mail prasannarani_chem@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Chemical, IIT Hyderabad, 2014)	Awarded
PG	M. E (Chemical, MSU Baroda, 2009)	Distinction
UG	B. Tech (Chemical, Bapatla Engineering College, 2007)	Distinction

Work Experience	
Teaching	8 Years
Research	--
Industry	--
Others	--

Area of Specialization Fluid Dynamics, Multiphase Flows

- Professional Memberships
1. Life Member, National Society of Fluid Mechanics and Fluid Power (NSFMFP), Membership no. LM659.
 2. Member, Society of Petroleum Engineers (SPE), Membership no. 4632870.

Responsibilities held at Institution Level

Responsibilities held at Department Level

Research Guidance 3 PG projects, 5 UG projects

Awards Received --

- Courses Handled at Under Graduate / Post Graduate Level.
1. Material and Energy Balance Calculations (2021-22)
 2. Mechanical Unit Operations lab (2021-22)

No. of Papers Published National Journals – Nil International Journals – 4

National Conference – 01 International Conference – 07

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker

No. of Books/Chapter Published with details

1. Participated and completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on “WASTE TECHNOLOGY - ENERGY CONVERSION AND UTILIZATION” from 08/11/2021 to 12/11/2021 conducted by MOHAMED SATHAK ENGINEERING COLLEGE.
2. Completed successfully Online 12 week SWAYAM-NPTEL certification course on "Aspen Plus® simulation software - a basic course for beginners", offered by IIT Guwahati - July-Oct 2021.
3. Participated and completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on “Fluid Flow Analysis using Aspen Hysys and Aspen Plus for Chemical Engineers” from 13/09/2021 to 17/09/2021 at Vel Tech High Tech Dr. Rangarajan Dr. Shakuntala Engineering College.
4. Attended workshop on “Assessing Assessment”, on 31st July 2021, conducted by Samarthy Teachers Training Academy of Research (STAR), Ghaziabad.

Details of Journal Publications/
 Conferences (National and International)

International Journal

1. P. R. Redapangu, T. G. Kidan and K. Berhane (2021), "Three-dimensional numerical simulations of Buoyancy-driven flow of two immiscible liquids using a GPU based LBM approach", J. of Applied Fluid Mechanics, 14(2), 601-613.

International /National Conferences

1. P. R. Redapangu, Tesgay G/Kidan and K. Berhane, (2019) "Characterization of Density-unstable downward displacement flow of two immiscible fluids – Lattice Boltzmann simulations", International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2019), Feb' 15-16, NIT Warangal. (Received best paper award in oral presentation.)