

Name of Faculty Dr. T. RATNA REDDY
 Designation Associate Professor
 Nature of Job/Appointment Regular
 Date of Joining 11-11-1986
 E-mail tratnareddy_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Mechanical)	Awarded
PG	M. Tech. (CAD/CAM)	Distinction
PG	M. Tech. (Production Engineering)	Second
UG	B. E. (MECH)	First

Work Experience

Teaching	33 Years (Includes Research Experience)
Research	06 years
Industry	--
Others	--

Area of Specialization CAD/CAM, PRODUCTION ENGG, CFD

Professional Memberships
 Member, ISTAM Number: 809
 Member, ISTE

Responsibilities held at Institution Level
 1. Assistant controller of examinations (Evaluation), from 10-07-2014 to 09-07-2016

Responsibilities held at Department Level
 1. Member, Board of Studies from 2015 to till date
 2. Coordinator, Performance Assessment Committee from June 2020 to till date
 3. Member, Course Expert Group, from June 2020 to till date
 4. Course Coordinator for ME(CAD/CAM), from 2009 to 2016
 5. In charge EG&D Lab from 2018 to till date

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level.
 Computational Fluid Flow, Finite Element Method, Fluid Mechanics, Engineering Mechanics, Engineering Graphics, Structured programming, Object oriented programming with C++, Programming and Problem Solving, Metal Casting Technology, Welding Technology, Heat Transfer. Computational Fluid Dynamics, Finite Element Techniques, Computer Aided Design, Programming Methodology and Data Structures

No. of Papers Published
 National Journals – 04 International Journals – 21
 National Conference – 02 International Conference – 04

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker
 1. Expert Lecture on "Complex Stresses", CMR Engineering College, Hyderabad, November 2019
 2. STTP on "Engineering Mechanics", CMR college of Engineering, Hyderabad, April 2018
 3. Expert Lecture on "Finite Element Method", Shreya college of Engineering, Hyderabad, March 2017
 4. Resource person for FDP on "Engineering Graphics", VJIT, Hyderabad, January 2017

No. of Books/Chapter Published with details --

Details of Short-Term Training Programs/Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).
 1. A National level FDP on MOODLE-Learning Management System (LMS), 10-15 June, 2020, by JNTUH Sultanpur, Spoken Tutorial Project- an initiative National Mission on Education through ICT, MHRD, Government of India, IIT Bombay, PanditMadan Mohan Malviya National Mission on Teachers and Teaching-Government of India.
 2. One week STTP on MATLAB based Teaching-Learning in Mathematics, Science & Engineering, by the Department of

Electronics Engineering, RamraoAdik Institute of Technology, Nerul, Navi Mumbai in collaboration with DesignTech Systems Pvt. Ltd., Mumbai during 18th to 22nd May 2020

3. National Level One Week Online Short Time Training Program on " MATLAB for ALL" 4-8 June, 2020 organized by the Department of Electrical and Electronics Engineering, SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bangalore.
4. One week FDP on "Outcome Based Education: A Step Towards Excellence" conducted by Govt. Engineering college, Karad, Maharastra from 11th to 15th May 2020.
5. FDP On Outcome based education and NBA Accreditation process (UG), 28 May to 1June, by Chaitanya Bharathi Institute of Technology.
6. FDP on Artificial Intelligence, 22-26 May 2020 by the Department of Information Technology, CMR Engineering College, Hyderabad, in collaboration with NYCI & Brainvision Solutions India Pvt. Ltd Supported by AICTE, IIC, ISTE and Institute of Engineers.

International/National Journals from the Year 2017

1. Ch. Indira Priyadarsini, Dr. T.Ratna Reddy, "Strut Flame Holder Performance for Supersonic Combustion using Computational Fluid Dynamics Approach", IJRAR, E-ISSN 2348-1269, July 2020, Volume 7, Issue 3 pp 631-635
2. Dr.T.Ratna Reddy, Ch.IndiraPriyadarsini, A Akhil, Effect of Air Flow Rate on Performance of Natural Draft Wet Cooling Tower, International Journal of Management, Technology And Engineering, Volume IX, Issue I, JANUARY/2019, ISSN NO : 2249-7455
3. N.Venkateswarrao, M.V.S.Muralikrishna, R.PeraiahChowdary, N. Janardhan ,VVR Sheshagirirao, and T. RatnaReddy,Experimental Investigations on Pollution Levels from Supercharged Partially Adiabatic Diesel Engine with Tamarind Biodiesel Blended with Diethyl Ether, journal of EM International,Aug-2018.
4. Dr. T. Ratna Reddy, Analysis of Slosh in Tank with Different Filling Percentage, International Journal of Management, IT & Engineering, Vol. 8, Issue 5, May 2018, ISSN: 2249-0558, pp. 130-140.

International/National Conferences from the Year 2017

1. Dr. T.Ratna Reddy, Ch.Indira Priyadarsini, A Akhil, "Effect of Air Flow Rate on Performance of Natural Draft Wet Cooling Tower", 4th international conference, OU, ICMR-2019-Feb-2019, ISBN-978-93-87793-67-5.