

Name of Faculty Mr. D. RAVI  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 01-03-2016  
 E-mail ravid\_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy	Pursuing
PG	M. Tech. (Thermal Engineering)	Distinction
UG	B. Tech. (Mechanical Engineering)	Distinction

**Work Experience**

Teaching	12 Year
Research	--
Industry	--
Others	--
Area of Specialization	Thermal Engineering
Professional Memberships	--
Responsibilities held at Institution Level	1. Coordinator, Chaitanya ASTRA Club
Responsibilities held at Department Level	1. Member, PAQIC - BE (Mechanical) 2. NBA Coordinator, UG MECH 3. Member, CEG-Thermal
Research Guidance	--
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	Thermodynamics, Applied Thermodynamics, Applied Thermodynamics & Heat Transfer, Heat and Mass Transfer, Hydraulic Machinery and Systems, Fluid principles and Hydraulic Machines, Power Plant Engineering, Production Technology, Elements of Mechanical Engineering, Engineering Graphics, Engineering Graphics and Design etc.
No. of Papers Published	National Journals – 00 International Journals – 07 National Conference – 04 International Conference – 06
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	--

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings **(Attended & Organized)**.

1. Organized (Co-coordinator) a one-week faculty Development Program on "INDUSTRY 4.0 – A VISION OF DESIGN AND MANUFACTURING" by MED, CBIT during 16th -20th June, 2020.
2. Organized (Co-coordinator) a one-week FDP on ETCMIA-17, Sponsored by TEQIP-II, MED, CBIT during 20th -25th March, 2017.
3. Organized (Coordinator) a National Level Technical Symposium Paper Presentation Contest AVISHKRUTHA – 2015 in AITH, Hyderabad
4. Attended, 5 days SERB Online International workshop on recent advancements in modeling analysis of porous material.(RAMAPM 2022) organized by MED, NIT Surathkal from 28-02-2022 to 04-03-2022.
5. Participated in one day webinar on "Polygeneration an innovative method for energy and power generation"organized by MED, CBIT on 13-11-2021
6. Participated FDP conducted on "ADVANCES IN THERMAL ENGINEERING", organized by MED, JNTUH from 20-12-2021 to 22-12-2021.
7. Participated in 3 days FDP on" Robotic systems: Trends,Opportunities and research directions organized by MED,V R Siddhartha Engineering College during 28-30th October 2021.
8. Participated in online national level FDP on "Advanced Concepts of Outcomes –Based Education"organized by Inpods India private Limited on Oct 6,7 and 8,2021.
9. Participated in a 5 day national level FDP on "Emerging Trends in Automotive and Energy Systems"organized by MED, Sree Vidyanikethan Engineering College,Tirupati from 23-08-2021 to 27-08-2021.
10. Participated one week online FDP on "Research avenues in Thermal Engineering (RATE-2021) Organized by MED, Vasavi College of Engineering from 26-07-2021 to 30-07-2021.
11. Completed one month online internship in "RESEARCH TRAINING"MSME-TECHNOLOGY DEVELOPMENT CENTRE(PPDC).Ministry of micro,small & medium Enterprises, Government of India Organization,Agra from 05-07-2021 to 05-08-2021 (Week days only).
12. Has undergone one month Innovation Ambassador training (Advanced level) conducted by MoE's Innovation cell &AICTE during the period 30-06-2021 to 30-07-2021.
13. Participated One week ATAL FDP on "NOVEL MATERIALS",University College of Engineering , Osmania University from 22-11-2021 to 26-11-2021 .
14. Participated one week AICTE sponsored FDP on" THERMODYNAMICS&ITS APPLICATIONS"organized by MED,JNTUA from 20-01-2021 to 25-01-2021.
15. Participated Two week AICTE sponsored FDP(phase 1),on" RENEWABLE ENERGY INTERVENTION IN INDUSTRY,COMMERCIAL&DOMESTIC APPLICATION"organized by MED,Rajeev Gandhi Memorial College of Engineering and Technology,Nandyal from 15-02-2021 to 27-02-2021.
16. Participated Two week AICTE sponsored FDP "RESEARCH METHODOLOGIES AND STATISTICAL DATA ANALYSIS" organized by MED, CBIT from 16-11-2020 to 28-11-2020.
17. Attended one week FDP on "Advances in Engine Combustion And Emission Diagnostics"organized by MED,NIT AP from 05-10-2020 to 09-10-2020.
18. Participated one week AICTE sponsored STTP"3-D Printing merges with nano materials in medical applications ",organized by MED,GNIT Hyderabad from 03-08-2020 to 08-08-2020.
19. Participated one week FDP on "Advanced Research Traits in Materials and Design of Mechanical Systems", organized by

- MED, VIGNAN'S (Deemed to be University) Vadlamudi , from 22-07-2020 to 27-07-2020.
20. Participated one week FDP on “Emerging Green Technologies for the Mechanical Engineers”, organized by MED,GIET UNIVERSITY, GUNUPUR from 03-08-2020 to 08-08-2020.
  21. Participated one week AICTE sponsored STTP “Advances in Materials and Machining (AMM-2020,Phase 3)”,organized by MED,Ajay Binay Institute of Technology,Cuttack from 15-03-2021 to 20-03-2021.
  22. FDP on Finite Element Methods for Beginners (April 20-24).
  23. Attended three day International webinar on “Synthesis and Characterization of Nano Materials and their Novel Applications”,organized by Dept of Physics , Rajiv Gandhi University of Knowledge Technologies,AP from 17-08-2020 to 19-08-2020.
  24. Short term training programme through ICT mode on NBA Accreditation organized by NITTTR, Kolkata from 22/4/2019 to 26/4/2019
  25. FDP on Online Teaching Etiquette and Best Practices (May 10-15)
  26. FDP on Green Manufacturing: The Present & The Future From 15/05/2020 to 20/05/2020
  27. FDP on modeling and simulation using MATLAB (May 18-22)
  28. FDP on CIM and CNC organized by NITTTR –Chandigarh from 25/05/2020 to 29/05/2020.
  29. FDP on ROLE OF TEACHERS IN QUALITY ENHANCEMENT & ACCREDITATION from 05-06-2020 to 11-06-2020
  30. FDP on “Recent Advances In Materials Characterizations” organized by GRIET, Hyderabad from 23/05/2020 to 28/05/2020.
  - 31.
  32. FDP on OBE & NBA Accreditation Process organized by CBIT, Hyderabad during 28/05/2020 to 01/06/2020.
  33. FDP on Industry 4.0- A Vision of Design & Manufacturing, organized by CBIT, Hyderabad during 16/06/2020 to 20/06/2020.
  34. FDP on WASTE MANAGEMENT organized by NITTTR – Chandigarh from 08/06/2020 to 12/06/2020.
  35. One-week FDP on FEAMCE-2017 held on 23-28th Jan,2017 Organized by MED, CBIT. Under TEQIP-II
  36. One-week national level premier Faculty Development Programme on “ENGINEERING MECHANICS MADE EASY” from 28th June to 2nd July, 2017 Organized by Narasimha Reddy Engineering College, JNTUH, Hyd
  37. Faculty Development Programme on “MEETING THE CHALLENGES OF TEACHER IN MODERN ENGINEERING EDUCATION” during 12th -17th June,2017 conducted by ITC, CBIT
  38. Workshop on Quality Initiatives in Technical & Higher Educational Institutions (In Compliance with NBA & NAAC Accreditation) held on 6th-8th Dec,2016 Organized by ESCI, Hyderabad
  39. Two-day workshop on “Emerging Trends in Automotive Technologies” held on 1st & 2nd Aug,2016 Organized by MED, MVGR College of Engineering(A), Vizianagaram
  40. Two days National workshop on “Alternative Liquid Fuels In IC Engines (ALFICE-17)” during 17th & 18th February,2017 organized by MED, CBIT & TEQIP-II
  41. Two days National Seminar on “Machinery Vibration Analysis (MVA-2017) Organized by MED, CBIT sponsored by AICTE during 5th & 6th October, 2017.

Details of Journal Publications/  
Conferences (National and  
International)

### International Journal from the year 2017

1. D.Ravi, P.Surendar Reddy "A Study On Computational Fluid Dynamics And Its Applications In The Role Of Mesh Generation, Adaptation, And Refinement On The Featuring Strong Shocks" Mukta Shabd Journal Volume X, Issue Vi, June/2021 Issn No : 2347-3150.
2. D Ravi , P Radha Krishna Prasad, A STUDY ON ANALYSIS OF CFD ANALYSIS OF HEAT TRANSFER ENHANCEMENT IN SHELL BY USING PASSIVE TECHNIQUE, Journal of Xi'an University of Architecture & Technology, Volume XIII, Issue 5, 2021, ISSN No : 1006-7930
3. D Ravi, A STUDY ON COMPUTATIONAL FLUID DYNAMICS FUTURE SENARIEO, STD Journal, Volume X, ISSUE VI, 2021, ISSN NO : 0950-0707
4. D Ravi, "A compressive study on CFD analysis with sea water and engine oil of Heat Exchanger plate type", JXAT Journal (Scopus), volume XII , Issue III, ISSN No:1006-7930, Impact Factor 3.7, March-2020
5. D Ravi, "An Effective Comprehensive Analysis on RTM Method in Carbon Composites Molding with Computational Fluid Dynamics" , STD Journal , Volume VIII, Issue XII, ISSN No:0950-0707, Impact Factor 6.1, December-2019
6. D Ravi, "AN EFFECTIVE COMPREHENSIVE THERMOMECHANICAL ANALYSIS OF BRAKE MECHANISM", IJMTE, Volume IX, Issue V, ISSN NO : 2249-7455, May-2019
7. D Ravi, B. Koteswararao, K. Siva kishore babu (2018) "Structural Analysis of down the Whole Button Bit with Different Materials" , ICMPC-2017, Science Direct -Materials Today Proceeding 5 (2018) 4711-4719(Elsevier proceedings)
8. D Ravi, Samson yohannes, B koteswara rao (2017)," Investigation on the performance of photovoltaic Panel with various filters" ,SKR-IEEE-ECDS-0754 , August 2017 with catalog CFP17 M55-PRJ:978-1-5386-1886-8
9. K. Siva kishore babu, B. Koteswararao, Y. Suresh, D. Ravi (2017), Published the paper on "Analysis of Quality in Solid State Welding (Copper-Copper) By Using NDT And DT by Altering Physical Properties at Constant Time", Science Direct -2214-7853 Elsevier Ltd. Proceedings 4 (2017) 7351-7356.
10. B koteswara rao, K. Siva Kishore, D Ravi, K. Kishore Kumar (2017)," Investigation of Machining Parameter in EDM of High Carbon Steel alloy (EN31)", ICMPC-2016, Science Direct - Materials Today: Proceedings 4(2017)1375-1384 (Elsevier proceedings)

