

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 13 years  
 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. PAQIC Coordinator, BE (Mechanical)  
 2. Coordinator, Mechanica-2024 and Mechanica-2023  
 3. NBA Coordinator, BE (Mechanical) 10<sup>th</sup> to 12<sup>th</sup> Dec, 2021  
 4. NBA Coordinator, BE (Mechanical) 7<sup>th</sup> to 9<sup>th</sup> July, 2017  
 5. NBA Coordinator, BE (Prod.) 22<sup>th</sup> to 24<sup>th</sup> Sept, 2017  
 6. Member, PAQIC - BE (Mechanical) from 2016 to 2021  
 7. 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, CAD&Drafting etc.

No. of Papers Published National Journals – International Journals 06  
 National Conference 04 International Conference 06

Projects Carried out --

Patents **03**

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 and/or 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 16<sup>th</sup> -20<sup>th</sup> June,2020.  
 2. Organized (Co-coordinator) a one-week FDP on ETCMIA-17, Sponsored by TEQIP-II, MED, CBIT during 20<sup>th</sup> -25<sup>th</sup> March, 2017.

3. Organized (Coordinator) a National Level Technical Symposium Paper Presentation Contest AVISHKRUTHA – 2015 in AITH, Hyderabad
4. Attended One week online FDP on “Quality Education through OBE” in association with IEEE Education Society Student Branch Chapter CBIT, 22nd - 27th January 2024
5. Attended two weeks online Faculty Development Programme on "Recent Trends in Robotics" jointly organized by Electronics and ICT Academies at IIT Roorkee, MNIT Jaipur, NIT Patna, and PDPM IIITDM Jabalpur during July 04-15, 2022 under the "Scheme of financial assistance for setting up of Electronics and ICT Academies" of the Ministry of Electronics and Information Technology (MeitY), Government of India.
6. Attended 5-Day Faculty Development Programme (FDP) on "Materials Processing and Characterization", organized by the School of Mechanical Engineering (SMEC), VIT-AP University, Amaravati(AP), India during 28th March to 1st April, 2023
7. Attended One-week Online Faculty Development Program on "RECENT DEVELOPMENTS IN MECHANICAL ENGINEERING" jointly organized by Department of Mechanical and Department of Automobile Engineering held from 9<sup>th</sup> June, 2023 - 23rd June, 2023.
8. 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.
9. Participated in one day webinar on “Polygeneration an innovative method for energy and power generation”organized by MED, CBIT on 13-11-2021
10. Participated FDP conducted on “ADVANCES IN THERMAL ENGINEERING”, organized by MED, JNTUH from 20-12-2021 to 22-12-2021.
11. Participated in 3 days FDP on” Robotic systems: Trends, Opportunities and research directions organized by MED, V R Siddhartha Engineering College during 28-30<sup>th</sup> October 2021.
12. 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.
13. 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.
14. 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.
15. 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).
16. 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.
17. Participated One week ATAL FDP on “NOVEL MATERIALS”, University College of Engineering, Osmania University from 22-11-2021 to 26-11-2021.
18. Participated one week AICTE sponsored FDP on “THERMODYNAMICS & ITS APPLICATIONS”organized by

- for the Mechanical Engineers”, MED,JNTUA from 20-01-2021 to 25-01-2021.
19. 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.
  20. Participated Two week AICTE sponsored FDP “RESEARCH METHODOLOGIES AND STATISTICAL DATA ANALYSIS” organized by MED, CBIT from 16-11-2020 to 28-11-2020.
  21. 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.
  22. 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.
  23. 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.
  24. Participated one week FDP on “Emerging Green Technologies organized by MED,GIET UNIVERSITY, GUNUPUR from 03-08-2020 to 08-08-2020.
  25. 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.
  26. FDP on Finite Element Methods for Beginners (April 20-24).
  27. 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.
  28. Short term training programme through ICT mode on NBA Accreditation organized by NITTTR, Kolkata from 22/4/2019 to 26/4/2019
  29. FDP on Online Teaching Etiquette and Best Practices (May10-15)
  30. FDP on Green Manufacturing: The Present & The Future From 15/05/2020 to 20/05/2020
  31. FDP on modeling and simulation using MATLAB (May 18-22)
  32. FDP on CIM and CNC organized by NITTTR –Chandigarh from 25/05/2020 to 29/05/2020.
  33. FDP on ROLE OF TEACHERS IN QUALITY ENHANCEMENT & ACCREDITATION from 05-06-2020 to 11-06-2020
  34. FDP on “Recent Advances In Materials Characterizations” organized by GRIET, Hyderabad from 23/05/2020 to 28/05/2020.
  35. FDP on OBE & NBA Accreditation Process organized by CBIT, Hyderabad during 28/05/2020 to 01/06/2020.
  36. FDP on Industry 4.0- A Vision of Design & Manufacturing,organized by CBIT, Hyderabad during 16/06/2020 to 20/06/2020.
  37. FDP on WASTE MANAGEMENT organized by NITTTR –

Chandigarh from 08/06/2020 to 12/06/2020.

38. One-week FDP on FEAMCE-2017 held on 23-28<sup>th</sup> Jan,2017  
Organized by MED, CBIT. Under TEQIP-II
39. One-week national level premier Faculty Development Programme on "ENGINEERING MECHANICS MADE EASY" from 28<sup>th</sup> June to 2<sup>nd</sup> July, 2017 Organized by NarasimhaReddy Engineering College, JNTUH, Hyd
40. Faculty Development Programme on "MEETING THE CHALLENGES OF TEACHER IN MODERN ENGINEERING EDUCATION" during 12<sup>th</sup> -17<sup>th</sup> June,2017 conducted by ITC, CBIT
41. Workshop on Quality Initiatives in Technical & Higher Educational Institutions (In Compliance with NBA & NAAC Accreditation) held on 6<sup>th</sup>-8<sup>th</sup> Dec,2016 Organized by ESCI, Hyderabad
42. Two-day workshop on "Emerging Trends in Automotive Technologies" held on 1<sup>st</sup> & 2<sup>nd</sup> Aug,2016 Organized by MED, MVGR College of Engineering(A), Vizianagaram
43. Two days National workshop on "Alternative Liquid Fuels In IC Engines (ALFICE-17)" during 17<sup>th</sup> & 18<sup>th</sup> February,2017organized by MED, CBIT & TEQIP-II
44. Two days National Seminar on "Machinery Vibration Analysis (MVA-2017) Organized by MED, CBIT sponsored by AICTE during 5<sup>th</sup> & 6<sup>th</sup> October, 2017.



#### International/ National Journals/Conference Papers

1. RJ Singh, YS Kannan, Ravi Degala," The numerical analysis of the sloshing tank with baffles at the high amplitude of vertical oscillation using Open FOAM:, Materials Today: Proceedings 62, 4094-4097,2022.
2. D Ravi, "AN EFFECTIVE COMPREHENSIVE THERMOMECHANICAL ANALYSIS OF BRAKE MECHANISM", IJMTE, Volume IX, Issue V,ISSN NO : 2249-7455,May-2019
3. 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)
4. D Ravi, B Somanath, KM Rao, L Ranganath, B Koteswararao." Experimental testing of thermal house for different weather conditions in Bale robe", Materials Today: Proceedings 5 (9), 18245-18250,2018
5. 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
6. 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.
7. B Koteswararao, L Ranganath, D Ravi, K Siva Kishore Babu," Designing of a coconut chopping machine and making fuel from tender coconut," Indian J Sci Technol 9, 34,2016
8. 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)
9. B Koteswararao, D Ravi, KSK Babu," Design of Propeller Shaft for Pedalling a Bicycle", International Journal of Engineering Research, 322-325,2016

#### Patents:

1. Patent Grant: Design No. 394340-001, dated 08.11.2023,

[https://search.ipindia.gov.in/DesignQRStatus/PDF\\_View.aspx?AppNo=Mzk0MzQwLTAwMQ==&CNo=MTQ4MTIw](https://search.ipindia.gov.in/DesignQRStatus/PDF_View.aspx?AppNo=Mzk0MzQwLTAwMQ==&CNo=MTQ4MTIw)

2. Patent Grant: Design No. 390742-001, dated 12.10.2023,

[https://search.ipindia.gov.in/DesignQRStatus/PDF\\_View.aspx?AppNo=MzkwNzQyLTAwMQ==&CNo=MTQ1NjM5](https://search.ipindia.gov.in/DesignQRStatus/PDF_View.aspx?AppNo=MzkwNzQyLTAwMQ==&CNo=MTQ1NjM5)

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