

Name of Faculty D S Madhuri
 Designation Assistant Professor
 Nature of Job/Appointment Contract
 Date of Joining 28 – 01 - 2017
 E-mail dsmadhuri_mech@cbit.ac.in



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

Work Experience

Teaching	7 Years
Research	--
Industry	1 year
Others	--
Area of Specialization	Thermal Engineering
Professional Memberships	--
Responsibilities held at Institution Level	Was a Mentor in Induction Program for first year students in 2023, CBIT; Member, Hospitality committee – 2018,2019 ; Member, Cultural committee 2021,2022
Responsibilities held at Department Level	<ol style="list-style-type: none"> 1. Data Source for Faculty Achievements 2. Member, Informatics Group 3. Was co-coordinator for the Alumni Talk (Alumni Knowledge Partner) by Mrs. M Lakshmi Prasanna, DGM(IMM), BDL, Kanchan Bagh on 19th February 2020 on Supply Chain Management 4. Was a member of the faculty team who arranged the Industrial Visit of V-Sem Mechanical and Production students to Steel Plant & Hindustan Shipyard Ltd., Visakhapatnam from 25th to 29th September 2019. 5. Mentor to the present VI Sem F1 students.
Research Guidance	<ul style="list-style-type: none"> • Guided a Final Year Project for UG Students in 2022 titled "Designing Of Solar Powered Electric Vehicle Charging Station Using Wireless Power Transmission". • Guided a Final Year Project for UG Students in 2023 titled "Thermal Management of Batteries used in 2 wheeler Electric Vehicles" • Currently guiding another final year project in the field of Automobiles.
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	Elements of Mechanical Engineering, CFD, Automobile Engineering, Engineering Graphics & Design (CAD&D), Universal Human Values II, Digital Fabrication Lab
No. of Papers Published	National Journals – International Journals – 03
Projects Carried out	National Conference – International Conference –
Patents	--
Technology Transfer	1 patent published on 15/07/22 Have filed for another patent for a Topic based on Smart Drones.
Invited Speaker	--
No. of Books/Chapter Published with details	Gave a lecture on Additive Manufacturing to students from Ratnapuri Diploma college on 25 th January 2024
Details of Short-Term Training Programs/Faculty Development	-

FDP Attended:

Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).

1. Summer Internship Programme on Python, Image Processing using OpenCV and Innovative Projects 19/06/23 to 14/07/23 organised by CBIT
2. 3 Day In house MATLAB Training Programme 3/07/23-5/07/23
3. Introduction to research – NPTEL 12 week course/FDP, Aug - Oct 2022
4. FDP on 2D Nanomaterials: Potential & Applications through ICT during 17-10-2022 to 21-10-2022 organised by AICTE
5. FDP on "Digital Manufacturing and Prototype Development" during 24/04/23 to 28/04/23 organised by Mechanical Engineering Department, CBIT
6. 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 26th July, 2021 to 30th July, 2021.
7. Three days FDP on "Advances in Thermal Engineering" organized by Department of Mechanical Engineering, JNTUH College of Engineering, Hyderabad from 20/12/21 to 22/12/21.
8. a seminar on "Scope for Interdisciplinary Research " on 6th May 2022 organized by Research & Development Centre and Deptt of Information Technology, CBIT
9. Three days FDP on Advances in Thermal Engineering organized by Department of Mechanical Engineering, JNTUH College of Engineering, Hyderabad from 20/01/22 to 22/01/22.
10. Five day FDP on "Emerging trends in Automotive and energy systems" on 23rd to 27th August , 2021 at Sree Vidyanikethan Engineering College, Tirupati.
11. one week faculty development program(FDP) on "Research Practices in Thermo-Fluid and Renewable Energy Systems" organised by department of mechanical engineering, Sreenidhi Institute of Science and Technology, Yamnampet, Ghatkesar, Hyderabad, Telangana 501301, from 28/06/2021 to 03/07/2021.
12. One Day Workshop on "Smart Manufacturing: Connected Factories" - 17th June, 2021 at 9:30 AM to 1:30 PM organized by Mechanical Engineering Department, CBIT.
13. TWO WEEK ONLINE FACULTY DEVELOPMENT PROGRAMME (Phase-I), on "RENEWABLE ENERGY INTERVENTION IN INDUSTRY, COMMERCIAL AND DOMESTIC APPLICATION" organized by Department of Mechanical Engineering, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal - 518 501, Andhra Pradesh during 15th February 2021 to 27th February 2021
14. Participated in AICTE Sponsored One Week Online Short Term Training Programme on "Computational fluid flow and heat transfer" conducted by the Department of Chemical Engineering, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam, during 24th to 29th August 2020 and obtained performance grade A in the exam at the end of the programme. (Grade: A >= 70%,)
15. Participated in the Online AICTE Recognized One Week Online Faculty Development Programme on Evaluation and Setting Question Papers from 20/07/2020 to 24/07/2020 (One Week) Organized by Education and Educational Management Department NITTTR, Chandigarh
16. Development Program on "Recent Advances in Renewable Energy & Energy Efficiency Technologies" during 21-25 July, 2020 organized by Department of Mechanical Engineering (Mechatronics)
17. Completed "The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop" on 20 June 2020 He/She has attended the interaction session and successfully completed both pre and post workshop online activities, involving 3 days of video lectures and hands-on work.
18. 1 week online FDP on 'Effective Research using LaTeX' organized by Pragati Engg College in Association with spoken Tutorial, IIT Bombay during 22-27th June 2020
19. 1 week online FDP on 'Advancements in Manufacturing and Optimization Techniques' organised by Jayamukhi Institute

- of Technology, Narsampet, Warangal during 22-26th June 2020
20. One Week Online Faculty Development Program on "Industry 4.0 – A Vision Of Design And Manufacturing", conducted by CBIT during 16th - 20th June, 2020.
 21. 2 day online FDP on 'Effective Technical Report Writing using Latex' organised by MGIT, on 8th and 9th June 2020
 22. 5 day online FDP on 'Emerging Technologies in Robotics' organized by MREC from 26th to 30th May 2020
 23. 5 Day online FDP on OBE and NBA Accreditation organized by CBIT, during 28/5/2020 to 1/6/2020
 24. 5 Day online Short Term Training Program on "MATLAB based Teaching-Learning in Mathematics, Science & Engineering", organized by the Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with DesignTech Systems Pvt. Ltd., Mumbai during 18th to 22nd May 2020.
 25. One week online Faculty Development Program on "Outcome Based Education:A Step Towards Excellence" from 11-15 May 2020 organised by Government College of Engineering, Karad under Margdarshan Scheme of AICTE, New Delhi.
 26. 1 day Faculty Program on NBA on 5/13/2020, Bharati Vidyapeeth College of Engineering
 27. 2 day FDP held on 10-11 August 2017 at Hyderabad, organized by CII Telengana in Association with Involute Automation (P) Ltd., Jeedimetla, Hyderabad
 28. 1 week FDP on 'Emerging trends in Composite and Industrial Applications' organised by MED, CBIT during March 20-25 March, 2017
 29. FDP on 'Meeting the Challenges of Teacher in Modern Engineering Education' conducted by ITC, CBIT during 12.06.2017 to 17.06.2017
 30. 2 day National Seminar on 'Machinery Vibration Analysis' organized by MED, CBIT during 5th and 6th October 2017

Webinars :

31. "A National Webinar on Fuel Cells Thermodynamics and its Applications". Organized by Department of Mechanical Engineering, VFSTR (Deemed to be University), Vadlamudi, Guntur, A.P. India, on 10 July 2021
32. Five-days Webinar Series on "Advances in Materials Science and Technology (WSAMST-2020)" held during 22-26 June 2020 by the Department of Applied Sciences and Humanities (Physics), School of Engineering, University of Petroleum and Energy Studies, Dehradun.
33. Webinar on "Publishing Research Articles in Scopus Indexed Journals" conducted by CBIT - School of Management Studies on 24th June, 2020.
34. Webinar on 'Casting Defects & Remedies - Case Studies' on 06/05/2020 organised by Extension Centre-Rajkot, MSME TDC (PPDC)-Agra.
35. 7 Leadership Talks with Dr. Ajay Jere by MHRD Innovation Cell
36. Have completed course(1,2,3 &4) on Sanskrit organized by IIT Roorkee.

Details of Journal Publications/ Conferences (National and International)

1. D.S.Madhuri, V.V.R.Seshagiri Rao," A Review on Electric Vehicles with respect to Range, Maximum Power and Charging Time" , GIS SCIENCE JOURNAL, Volume 9, Issue 4, Pages, ISSN NO : 1869-9391
2. D S Madhuri , Ravi Chandra, M V S Murali Krishna,(2017), "Influence of injection pressure on performance parameters of semi adiabatic diesel engine with crude vegetable oil with magnetic induction", ISSN2394-739X, Issue 7, Volume 4, Pgs 62-71
3. D S Madhuri, Ravi Chandra, M V S Murali Krishna,(2017),"Experimental Investigations on Exhaust Emissions with Low Heat Rejection Diesel Engine with Crude Vegetable Oil with Magnetic Induction" E-ISSN 2277 – 4114, Vol 7, No.3 (Sept 2017) Pgs150-151
4. D S Madhuri, M V S Murali Krishna, Ravi Chandra,(2017),"Experimental investigations on performance parameters on low heat rejection diesel engine with crude vegetable oil with magnetic induction" , ISSN 2319 – 4847, Volume 6, Issue 5, May 2017, Pgs 146-155

