

Name of Faculty IPSITA MOHANTY
 Designation Assistant. Professor
 Nature of Job/Appointment Contract
 Date of Joining 29-06-2019
 E-mail ipsitamohanty_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
PG	M. E.	Distinction
UG	B.E.	First

Work Experience

Teaching	5 Years 5 Months
Research	--
Industry	--
Others	

Area of Specialization Thermal Engineering

Professional Memberships ISTE, Membership no – LM -51063

Responsibilities held at Institution Level

MED Camu Co-Ordinator
 Member- Annual Alumni meet
 Member- Sudhee/Shruthi Hospitality Committee 2021-22,23 ,24
 Member- World Entrepreneurship Day celebration committee-2021,2022

Responsibilities held at Department Level

1. MED Camu Co-Ordinator
2. MED Faculty Co-Ordinator Alumni
3. Team member for - NAAC criteria 6, NBA criteria -5 work
4. Class teacher 3rd Sem, 6th Sem (21-25 batch students)
5. Mentor for 23 students of 2021-2025 Batch.

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level.

CAD &D, Principles of Entrepreneurship, DF lab, Entrepreneurship, Material Science and Metallurgy, UG Final year Project

No. of Papers Published

National Journals – 1	International Journals – 4
National Conference – Nil	International Conference – Nil

Projects Carried out --

Patents Granted -01, Published—01

Technology Transfer --

Invited Speaker

No. of Books/Chapter Published with details 02



Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops/Other Trainings (Attended and/or organized).

1. Guest lecture on "Additive Manufacturing" to students of Ratnapuri Diploma college on 25-01-24
2. One-week online FDP on "Quality Education through OBE" 22-27 Jan 2024
3. Summer Internship Program on Python, Image Processing using OpenCV and Innovative Projects 19-6-23 to 14-7-23
4. STTP - Robotics and Drones from 5-19, Sep 2022
5. FDP on 2D Nanomaterials: Potential & Applications through ICT 17-21, oct 22
6. Participate in one-week FDP on Outcome based education and NBA during 28 May- 1st June by CBIT(A)
7. Participated in one-week FDP on "Outcome based education: step towards Excellence " during 11th-15th May 2020 by GCE, Karad.
8. One-week FDP on Recent advancement in material characterization during 23-28 May 2020 by NITTR Chandigarh.
9. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020.
10. Successfully Completed "Materials Science: 10 Things Every Engineer Should Know an online non-credit course authorized by University of California, Davis and offered through Coursera on 14-05-2020.
11. Successfully Completed "Entrepreneurship I: Laying the Foundation an online non-credit course authorized by University of Illinois at Urbana-Champaign and offered through Coursera on 14-05-2020.
12. Participated in the India first Leadership Talk webinar with Mr. Shridhar Venkat, CEO (Akshaya Patra Foundation) held on 20th June 2020 by MHRD's Innovation Cell.
13. Participated in the India First Leadership Talk with Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment) held on 13th June 2020 by MHRD's Innovation Cell.
14. Participated in India First Leadership talk with Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design) held on 6th June 2020 by MHRD's Innovation Cell.
15. Participated the India First Leadership Talk Webinar with Mr. Mahesh Babu CEO Mahindra Electric Mobility Ltd., 23rd May 2020 conducted by MHRD's Innovation Cell.
16. Participated the India First Leadership Talk Webinar with Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited, 16th May 2020 conducted by MHRD's Innovation Cell.
17. Participated the India First Leadership Talk Webinar with Prof D. P. Singh, Chairman UGC, 9th May, 2020 conducted by MHRD's Innovation Cell.
18. Participated in the Webinar "Research opportunities in the field of technology" by Dr. Daulat Rao Aher college of engineering, Karad Maharashtra on 27-5-20.
19. Participated in the Webinar on "Industry-4.0: A transformation in manufacturing" by ISIE -India on 26-05-20
20. Participated in the Webinar on "Advanced OBE-identifying weaker students and remedial actions" by INPODS 23-5-20.
21. Participated in the webinar on "Energy and innovation" by AISSMS college of engineering, Maharashtra on 27-05-20
22. Actively participated in the one-week faculty development program (FDP) on "Research Practices in Thermo-Fluid and Renewable Energy Systems" organized by department of mechanical engineering, Srinidhi Institute of Science and Technology, Yamnampet, Ghatkesar, Hyderabad, Telangana 501301, from 28/06/2021 to 03/07/2021.
23. successfully completed ISTE Approved One Week STTP on, Advances in Materials and Manufacturing Techniques (AMMT) organized from 1st to 7th July 2021
24. participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Alternative fuels: Biofuels" from 04/10/2021 to 08/10/2021 at P D A College of Engineering Kalaburagi
25. Member in the panel Discussion titled "Entrepreneurship" on world Entrepreneurs' Day held virtually during 21 – 24 August ,2021 organized by IIC-CBIT(A) in association with EDC -CBIT(A), Hyderabad, Telangana.

Details of Journal Publications/
Conferences (National and
International)

International Journal

1. Ipsita Mohanty, M.V.S Murali Krishna, M. Ravi Chandra (2020) "Butanol Blend Reduces Pollutants in Spark Ignition Engine", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol.10, Issue 2, pp.1031-1038
2. Ch. Indira Priyadarshini, M.V.S. Murali Krishna, Ipsita Mohanty, Y.Nagini, S.Narasimha Kumar, K.Kishor.(2018) "Control of exhaust emissions from copper coated spark ignition engine with Butanol blended gasoline with catalytic converter with different catalysts", Pollution Research. 37, a. Issue 4, pp 278-282.
3. REDUCTION OF POLLUTANTS FROM COPPER COATED SPARK IGNITION ENGINE WITH ALCOHOL BLENDED GASOLINE" authored by "K. Laxmi; Ipsita Mohanty; K.N.V.Sreedevi ; M.V.S. Murali Krishna " had been reviewed by the Editorial Board and published in "INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING AND TECHNOLOGY (IJMET), Volume 12, Issue 10, October 2021, pp. 1-10; ISSN Print: 0976-6340 and ISSN Online: 0976-6359;
4. CONTROL OF POLLUTANTS FROM COPPER COATED SPARK IGNITION ENGINE WITH BUTANOL BLENDED GASOLINE K. Laxmi¹, Ipsita Mohanty² and M.V.S. Murali Krishna². Pollution Res. 40 (4): 1368-1375 (2021) Copyright © EM International ISSN 0257-8050

National journal

1. Control of pollutants from spark Ignition Engine with Butanol Blended Gasoline. M.V.S.Murali Krishna ,Ipsita Mohanty, M. Ravi Candra . Indian Journal of Environmental Protection,Vol- 42, No-5,May 2022,Kalpna Corporation

Details of books published

1. Chapter 5 Print ISBN: 978-93-5547-745-3, eBook ISBN: 978-93-5547-746-0
DOI: 10.9734/bpi/rdst/v7/2256A. Research Developments in Science and Technology Vol. 7 .
Investigations on Emissions of Copper Coated Spark Ignition Engines with Methanol Blended Gasoline.
M. V. S. Murali Krishna a* , Ch. Indira Priyadarshni a , Ipsita Mohanty a and K. N. V. Sridevi
2. Chapter 3 Print ISBN: 978-93-5547-480-3, eBook ISBN: 978-93-5547-492-6
DOI:10.9734/bpi/tier/v4/2837B
Technological Innovation in Engineering Research Vol. 4 Experimental Investigations on Performance and Emissions of Spark Ignition Engine
M. V. S. Murali Krishna a* , Ch. Indira Priyadarshni a , Ipsita Mohanathi a and K. N. V. Sridevi

Patents Published /Granted

Granted – Title of Invention - CONTROL ON POLLUTION LEVELS OF PETROL ENGINE WITH LOW-COST CATALYTIC CONVERTER

Patent No.: 406205, Application No. : 202141044968

Published - HIGH DEGREE INSULATED ENGINE HAVING OPTIMIZED AIR GAP THICKNESS RUN WITH ALTERNATIVE FUELS.

Application No.202241039529 A , Date of filing of Application :09/07/2022 , Publication Date : 15/07/2022