

Faculty name	Prof:Karthik Ramadurg	
Department	Mechanical Engineering	
Specialization	Thermal Power Engineering	
Qualification	M.Tech	
Experience in years	8	
E-mail ID	Karthik.jcer@gmail.com	
Contact number	9019116501	

#### INTRESTED AREAS

1. Thermodynamics
2. Fluid Mechanics
3. Heat Transfer
4. Hydraulics
5. Manufacturing Science

#### JOURNAL PUBLICATIONS :11

1. **Karthik Ramadurg, R.N.Patil, and Vadiraj.V. Katti.**(2016) “Experimental investigation of distribution of coefficient of static Pressure on the concave curved surface due to impingement of air jet from an orifice for confined flow ”, Journal of Advances In Science & Technology Vol. 12, Issue No. 25, (Special Issue) December-2016, ISSN 2230-9659
2. **Karthik Ramadurg,et al**(2017) “Experimental investigation of coefficient of static pressure distribution of on the concave curved surface due to impingement of air jet from an orifice for (d=14mm) for confined flow ”,International Journal of Engineering Technology, Management and Applied Sciences www.ijetmas.com January 2017, Volume 5, Issue 1,
3. **Karthik Ramadurg,et al**(2017) “Experimental Investigation of Effect of Curvature Ratio on Coefficient of Static Pressure Distribution on the Concave Curved Surface due to Impingement of Air Jet from An Circular Orifice of Dia 10mm for Confined Flow”, International Journal of Engineering Technology Science and Research IJETSR www.ijetsr.com ISSN 2394 – 3386 Volume 4, Issue 1 January 2017
4. **Karthik Ramadurg,et al**(2017) “Pressure disrtribution on the concave curved surface due to impingement of air jet from an orifice for d=10mm for confined flow”, International journal of institute for engineering reaserch and publication 10& 11<sup>th</sup> feb. 2017
5. **Karthik Ramadurg,et al**(2018) “Experimental study on mechanical properties of coconut shell as reinforcement material in epoxy material and comparision with hand lay-up and vacuum bagging method” IJMTE, international conference on research trends in engineering , applied science and management (ICRTE SM -2018) Volume8,issue12, december/2018 ISSN 2249-7455

6. **Karthik Ramadurg,et al(2019)** “Static Pressure Distribution on Plane Flat Plate By air Orifice Jet Impingement For Free Flow” , “International research journal of engineering and technology (IRJET) e-ISSN 2396-0056 p-ISSN2395-0072 Volume6,page 4227-4233, Issue4 April2019
7. **Karthik Ramadurg .et al (2019)** “ Experimental investigation of comparision of open and confined flow for static pressure distribution on plane flat plate surface by air jet impingement through orifice nozzle”, journal of applied science and computations JASC JOURNAL ISSN NO:1076-5131, page 851-858,volume 6,issue5, may-2019
8. **Karthik Ramadurg.et.al (2019)** “Comparision study of confined and unconfined flow of wall ststic pressure distribution on covex surface for turbulent flow by air jet impingement from an orifice”. International journal of research and applied science and engineering technology . indexed with cross ref for DOI:10.22214 ISSN NO:2321-9653, page 986-991, volume7,issue 5 may-2019
9. **Karthik Ramadurg.et al(2019)** “Experimental determination of coefficient of ststic pressure for turbulent flow on smooth convex surface by airjet impingement from an orifice for open flow”. Pramana reserch journal iso certified UGC approved with DOI:16.10089/PRJ volume 9, issue 5, may2019
10. **Karthik Ramadurg.et.al (2022)** “Evaluation of mechanical properties of Aluminium Silicon Carbide Metal Matrix Composite” International journal of research and applied science and engineering technology . indexed with cross ref for DOI:10.22214 ISSN NO:2321-9653,Volume10,IssueVII,July 2022
11. **Karthik Ramadurg.et.al (2022)** “Automatic Workpart Transfer Mechanisim ” International journal of research and applied science and engineering technology . indexed with cross ref for DOI:10.22214 ISSN NO:2321-9653,Volume10,IssueVII,July 2022,page 3359-3363

#### **WORKSHOPS/FDP/QUIZ/WEBINAR ATTENDED/ORGANIZED**

1. Attended TEQUIP-III sponsored one week FDP on “**Pedagogy Training In Technical Education**” from 16<sup>th</sup> -20<sup>th</sup> jan 2018 held at VTU-HRDC centre for PG studies, muddenahalli, chickaballapur,
2. Attended the workshop on “**New Model Curriculum For First Year B.E –CBCS Detailed Syllabus (2018-19) Under Mechanical Engineering Board** held on 17/5/18 at VTU belagavi
3. Attended one day **NPTEL awareness** workshop conducted on 19/7/18 by **IIT madras**, at SDM-CET Dharwad
4. Attended two days faculty development programme on “**Emerging Trends In Fluid Power Ssystem**” **Mechatronics and Automation With Simulation**” on 10&11-08-2018 organized by department of mechanical engineering at JCE belagavi.
5. Attended three days VGST sponsored faculty development program on “**Technical Education and Skill Development In India**” Organized By Department Of Mechanical Engineering ,SDM-CET, dharwad
6. Attended one week faculty development program on “**Recent innovations in mechanical engineering and scope for entrepreneurship**” organized by department of mechanical engineering NSAKCET, Hyderabad

7. Participated in the webinar on “**Convective Heat Transfer Through Extended Surface**” organized by department of mechanical engineering VVCE, Mysuru.
8. Participated in one day webinar on “**Smart Materials and Structures**” organized by the department of mechanical engineering Brindavan College of Engineering
9. Participated in national level webinar on “**Biodiversity**” jointly organized by B.V.V.S Akkamahadevi Women’s arts,science and Commerce college and Environmental board, CMC bagalkot on world Environment day,.
10. Participated in one week international level “**Webinar series by Industrial Experts**” organized by the department of Mechanical engineering, K.L.E institute of Technology , Hubballi.
11. Participated in quiz on “**Programmable logic Controller**”. organized by the department of Mechanical engineering, SKSVACET
12. Participated in international webinar on “**Innovation in large organizations**” organized by the department of Mechanical engineering, BLDEA Vijaypur ,in association with IIT Bombay
13. Participated in international webinar on “**Innovations & Intellectual Property Right (IPR)**” organized by the department of Mechanical engineering, SKSVACET
14. Participated in quiz on “**Research Paper Writing**” organized by the department of Mechanical engineering, MJCET Hyderabad
15. Participated in one day seminar on “**Integration in MEMS,NEMS and nanotechnology**” at Cambridge institute of technology , Bengaluru
16. Participated in quiz on “**Electric Vehicles**”. organized by the department of Electrical Engineering, BLDEA Vijaypur
17. Participated in Online quiz on “**Industrial quality management**” organized by the department of Mechanical Engineering, NBN Sinhgad Solapur
18. Participated in online webinar “**Use of ICT Tools & techniques for effective teaching and learning**” organized by Department of civil engineering, Ashokrao mane group of institutions.
19. Participated in faculty development programme on “**Contemporary tools and techniques for teachers and researchers in higher Education**” Cambridge institute of technology , Bengaluru
20. Organized quiz on “**Fluid Mechanics**” from the department of Mechanical Engineering AGMR CET hubballi
21. Organized quiz on “**National constitution day-2020**” from the department of Mechanical Engineering AGMR CET hubballi
22. Participated in online webinar “**National Educational Policy**” organized by IFERP
23. Participated in webinar on topic “**Personality development and winning attitude**” organized by IFERP ON 18<sup>TH</sup> september,2020
24. Participated in webinar on topic “**Renewable energy system and sustainability -education ,research and outreach**” organized by IFERP on 16<sup>th</sup> october r,2020
25. Participated in webinar on topic “**Recent development in nanostructured metals and alloys**” organized by IFERP on 25<sup>th</sup> october r,2020
26. Participated in webinar on topic “**teaching and learning in higher and professional education-the challenges and opportunities**” organized by IFERP on 18<sup>th</sup> April,2022
27. Attended ISTE approved Faculty development program and short term training program(STTP) on “**The role of artificial intelligence, machine learning & data science in**

**emerging trends of Mechanical engineering”** organized by department of mechanical engineering from 23<sup>rd</sup> January to 30 January 2023

28. Participated in 3 day online faculty development programme on **“mentoring skills and cognitive strategies”** held during 29<sup>th</sup> to 30<sup>th</sup> March 2023, organized by department of Electronics and telecommunication engineering and Skill development center, BIT
29. Participated in IP Awareness /training program under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION** on February 28, 2023 organized by Intellectual Property Office, India
30. Attended ISTE approved one week national level Faculty development program on **“Recent Advancement in material, Micro-Manufacturing and Characterization (RAMMC-23)** from 13<sup>th</sup> to 17<sup>th</sup> March 2023, Organized by Dr.D.Y.Patil Institute of Technology, Pimpri, Pune.
31. **Completed the NPTEL** online certification course/exam on **“Great experiments in Psychology”** by IIT Kharagpur Jan-Feb 2023
32. Participated **AICTE Approved** 4 weeks Faculty development Program on **“Great experiments in Psychology”** by IIT Kharagpur.
33. Attended one week online short term training program (STTP) on **Analysis of Mechanical system using ANSYS Fluent (CFD) & mobility dynamics (MBD)** approved by ISTE, held during 24<sup>th</sup> April 2023 to 29<sup>th</sup> April 2023, organized by STE's Sinhgad College of Engineering, Pune, Maharashtra

#### **APPRECIATIONS**

1. As a faculty advisor Guided for AGMR-CET Hubballi **Team Immense**, and team secured 4<sup>th</sup> place In **National Level Rally Car Design Challenge** across India held at Bikaner Rajasthan from 23<sup>rd</sup> -26<sup>th</sup> Feb 2018
2. Received Appreciation **Certificate for Excellent Teaching Skills and the Courteous Behavior standards** and getting 100% pass in 2 subjects, VTU exams for the academic year 2017-2018
3. Received certificate of appreciation in recognition of project guidance entitled **“Automatic facemask and body temperature detection with visitor counting system for covid19”** in the symposium cum project exhibition on recent advances in Engineering Science organized by **SJC Institute of Technology in Association with Karnataka Science and Technology Academy** on 19<sup>th</sup> July 2021
4. Received certificate of appreciation in recognition of project guidance entitled **“Automatic facemask and body temperature detection with visitor counting system for covid19”** for being presented in the national level project symposium organized by department of EEE and ECE GNDEC in association with IETE sub center Kalburgi and IEI student chapter Kalburgi on 23,24 July 2021

**INTERNATIONAL CONFERENCE ATTENDED: 03**

**NATIONAL CONFERENCE ATTENDED: 01**

### **Professional membership**

1. Life time member of **INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG)** and member ship number 277285