









Dr.Faisal M H




✉ faisalmh@icet.ac.in  Faisal M H
 <https://icet.ac.in/faculties/3/staff-profile>



Employment History

- Aug 2020 –  **Vice Principal**, Ilahia College of Engineering and Technology
- Feb 2020 – July 2020  **Professor and HOD-** Department of Mechanical Engineering, Ilahia College of Engineering and Technology
- Jan 2008– Nov 2016  **Assistant Professor** Department of Mechanical Engineering, Ilahia College of Engineering and Technology
- July 2003– Dec 2007  **Lecturer** Department of Mechanical Engineering, Ilahia College of Engineering and Technology
- July 2002– June 2003  **Guest Lecturer** Govt. Polytechnic College. Muttom
- July 2001– June 2002  **Apprentice Trainee Engineer** F.A.C.T (Cochin Division)

Education

- 2020 January  **Ph.D, Karpagam University:** ,Karpagam Academy of Higher Education
- 2005 – 2007  **Post Graduation, MG University:** M.Tech in Mechanical Engineering, Mar Athanasius College of Engineering Kothamangalam .
Thesis title: *Design of Screw conveyor system in Binani Zink Ltd. Kochi, Kerala/India*
- 1996 – 2000  **Under Graduation, CUSAT:** B.Tech in Mechanical and Engineering, Cochin University of Science and Technology
Project title: *Design of Air conditioning system, Cochin Shipyard Ltd. Kerala/India..*

Research Publications

Journal Articles

- 1 M. Faisal, V. Sreekumar, and N. M. Nidhiry, “Comparison of mechanical and wearing properties between lm6, lm6/b4c and lm6/b4c/gr aluminium metal matrix composites,” *Materials Today: Proceedings*, vol. 43, pp. 3916–3921, 2021.
- 2 S. S. Nair and M. Faisal, “Static structural analysis and comparison between aluminium matrix and aluminium graphite composite and aluminium graphite boron carbide composite,” *Journal for Research*, vol. 2, no. 07, 2016.
- (3) “Fabrication and Micro structural analysis of LM13/B4C/Gr Hybrid Metal Matrix Composite” *Journal of Adv Research in Dynamical amp; Control Systems*, Vol. 9, No. 5, (2017) Pages 185 - 189. (which is a Scopus indexed journal).
- (4) “Micro structural and static structural analysis of LM6/B4C and LM6/B4C/GR hybrid aluminium metal matrix composites” *International Journal of Engineering and Technology*” bearing Volume 7 No1.1 (2018) , Pages 37 - 42 (which is a Scopus indexed and Elsevier supported journal).

- (5) “Fabrication of LM6/B₄C/Gr Aluminium Metal Matrix Composite” Journal for Research, Vol. 2, Issue. 7, (Sep 2016)
- (6) “Advanced manufacturing technology implementation on industries” International Journal of Engineering Research and Technology IJERT Volume 2, Issue 4 (April 2013)
- (7) “Comparison of Mechanical and wear properties between LM6, LM6/B₄C and LM6/B₄C/Gr aluminium metal matrix composites”, Materials Today Proceedings, Vol. 43 (6), pp. 3916-3921 (2021).
- (8) “Fabrication and analysis of LM13/B₄C/Gr hybrid metal matrix composites”, Materials Today Proceedings, Vol. 47, pp. 5276-5280 (2021). “Investigation on wear behavior of LM13/B₄C/Gr hybrid Aluminium Metal Matrix Composite” - waiting for publication.
- (9) “Effect of Boron Carbide and Graphite particle on Coefficient of Friction of LM13/B₄C/Graphite Hybrid Aluminium Metal Matrix Composite.” waiting for publication.

Conference Proceedings

- 1 M. Faisal and S. Prabakaran, “Investigation on mechanical and wear properties of aluminium based metal matrix composite reinforced with b₄c, gr and fly ash,” in *Advanced Manufacturing and Materials Science: Selected Extended Papers of ICAMMS 2018*, Springer, 2018, pp. 379–385.
 - (2) “Fabrication of LM13/B₄C/Gr hybrid Aluminium metal matrix composite by stir casting process and characterization of wear and mechanical properties” in the 9 th Annual Research Congress - KURAC 2017 held at KAHE on 9 th December 2017
 - (3) “Fabrication of hybrid Aluminium metal matrix composite” in the 8 th Annual Research Congress- KURAC 2016 held at KAHE on 3 rd December 2016
 - (4) “ Impact of advanced manufacturing technology on industrial relations – A comparative study”, in the international conference Conducted by Green Valley Research Foundation Coimbatore held at Mettupalayam on 27 th December 2009
 - (5) “ Design of screw conveyor system”, in the national conference held at SCMS Campus Muttom, Kerala, India ,on 4-6 October 2007

Skills

Languages	📖	Strong reading, writing and speaking competencies for English, Sanskrit, Malayalam and Hindi.
Operating System	📖	Windows 10, Windows 8, Windows 7, Windows XP.
Softwares	📖	ANSYS, Autocad, Ms Office, C Language.
Data Base	📖	Latex.
Misc.	📖	Academic research, teaching, training, consultation, Latex typesetting and publishing.

Miscellaneous Experience

Awards and Achievements















- 2021 📖 **Awarded the ‘Best Teacher’ of the college**, Mechanical Engineering.

Certification/Affiliation




- 2011 June– 2011 Dec 📖 **Life Member of ISTE Professional Society.**






Miscellaneous Experience (continued)

Workshops

- 2022  **Institutional development program**,I.I.M Kozhikode.
-  **Quality improvement program** ,NITTR..
- 2020  **ISTE Workshop on Computational Fluid Dynamics** , IISTE .
- 2019  **NBA Accreditation Process in Jan 2022**, National Institute of Technical Teachers Training and Research ,Chennai-Government of India ,Ministry of Human Resource Development.
- 2016  **Workshop on Engineering Mechanics** , I.I.T Bombay remote centers
- 2009  **Advances in Smart material application** , KTU and MACE Kothamangalam
- 2013  **recent advances in metals and process application** , KSCSTE and MACE Kothamangalam.
-  **Engine Overhauling** , I.I.T Varanasi.
-  **Techniques and Model for Scientific Research** , KTU.
-  **Innovations in Materials Engineering and Management** , ISTE .
-  **Oil and Gas An over view and Performance Management** ,MACE Kothamangalam. .
-  **Advances in Welding Technology**,ISTE Staff chapter.
-  **An Introduction to Data Analysis Using Statistical Tools** ,MACE ISTE Staff chapter.
-  **Advances in Bio- Engineering** ,MACE ISTE Staff chapter.

Duties/Responsibilities

- 2023  **HOD, Mechanical Engineering**
-  **KTU co-ordinator**
- 2020  **Vice Principal**

- 2021  **College council Member**
-  **Admission committee (Advisor)**
-  **Social Media Monitoring team member**
- 2020  **Recruitment Committee Member**
- 2019  **Additional chief superintendent, MGU and KTU exam duty**

References

1. Prof. Raman Nampoothiri N
Retired professor from MACE Kothamangalam
Email - nampooraman@gmail.com
Phone- 944713581