








Dr. ANSAL MUHAMMED K

✉ ansalmuhammed@icet.ac.in  ANSAL MUHAMMED K




 <https://icet.ac.in/faculties/3/staff-profile>



Employment History

February 2026-..... November 2025 -	 HoD and Professor HOD and Associate Professor , Department of Mechanical Engineering, Ilahia College of Engineering and Technology
March 2024 – November 2025	 Associate Professor , Department of Mechanical Engineering, Ilahia College of Engineering and Technology
January 2012 – March 2024	 Assistant Professor , Department of Mechanical Engineering, Ilahia College of Engineering and Technology
June 2011 – January 2012	 Site Engineer . Ganga Constructions and Engineering, BPCL-Kochi.
May 2010 – May 2011	 Site Engineer . M and M Engineering, BPCL-Kochi.

Education

2015–2024	 Doctor of Philosophy, Karpagam academy of higher education : Ph.D in Experimental investigation on AW106 Epoxy/ E-glass fiber/ Nano composites for wind turbine blade application.
2012 – 2014	 Post Graduation, ANNA University : ME in Engineering Design, Maharaja Engineering College , Avinashi. Thesis title: <i>Starch Derivative Bio plastic From Potatoes And Estimate Its Mechanical Properties.</i>
2006 – 2010	 Under Graduation, MG University : B.Tech in Mechanical and Engineering,SNGCE kadayiruppu. Project title: <i>Design And Fabrication of Three Axis Hydraulic Modern Trailer.</i>

Research Publications

Journal Articles

- 1 S. M. K Ansal Muhammed and S. Sharief, "Performance analysis of wind turbine blades using e-glass fiber and sio₂- al₂o₃-tio₂ mmt nanocomposite with aw 106 epoxy," *ENERGY SOURCES, PART A: RECOVERY, UTILIZATION, AND ENVIRONMENTAL EFFECTS*, vol. 46, pp. 2158–2179, 2024.
- 2 K. A. Muhammed, C. R. Kannan, and B. Stalin, "Performance analysis of wind turbine blade materials using nanocomposites," *Materials Today: Proceedings*, vol. 33, pp. 4353–4361, 2020.
- 3 K. A. Muhammed, C. R. Kannan, B. Stalin, and M. Ravichandran, "Experimental investigation on aw 106 epoxy/e-glass fiber/nano clay composite for wind turbine blade," *Materials Today: Proceedings*, vol. 21, pp. 202–205, 2019.
- 4 D. Poovathumkal, J. Joy, and K. Ansal Muhammed, "A study on mechanical properties of treated palm seed fiber epoxy composite," *Journal for Research| Volume*, vol. 2, no. 07, 2016.

Conference Proceedings

- 1 A. M. K, "Automated high rise building glass cleaner," in *Mechanical Engineering Organized by research and development cell, Ilahia college of Engineering ad Technology*, National Conference, 2021.

- 2 A. M. K, "Self balancing electronics scooter for disabled peoples," in *Mechanical Engineering Organized by research and development cell, Ilahia college of Engineering ad Technology*, National Conference, 2021.
- 3 A. M. K, "Experimental investigation on aw106 epoxy/e-glass fiber/ montmorillonite nano-composite for wind turbine blade application"," in *International Conference on Advances in Engineering and Technology. Karpagum University, Coimbatore*, international conference, 2018.
- 4 A. M. K, "Analysis of mechanical failures in wind turbine blades"," in *Karpagum University, Coimbatore on December 2017*, National Conference, 2017.
- 5 A. M. K, "Investigation on fatigue and weight reduction of composite wind turbine blade using nanoparticles," in *Karpagum University, Coimbatore on December 2016*, National Conference, 2016.

Skills

Languages	■	Strong reading, writing and speaking competencies for English, Malayalam and Hindi.
Operating System	■	Windows10,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

Certification/Affiliation

2010 January– 2010 May ■ **Certification.CADD CENTRE** : Diploma in Product Design .

Seminars

2020 ■ **Know Everything Related To Research**, Research and Development cell Ilahia College Of Engineering And Technology

Workshops

2016 ■ **Mechatronics- python programmingl in 14th January 2016**, organized by the department of Mechanical Engineering ICET.

■ **Non Destructive Testing in 30 th March 2016**, organized by the department of Mechanical Engineering ICET and Matrix Inspection and Engineering Services

2018 ■ **Recent Advances in metals, Processes and applications in July 2018**, organized by the department of Mechanical Engineering Mar Athanasius college of engineering Kothamangalam and Kerala State council For Science ,technology and environment.

2019 ■ **NBA Accreditation Process in Jan 2022**, National Institute of Technical Teachers Training and Research ,Chennai-Government of India ,Ministry of Human Resource Development.

■ **Learning Management System in March 2019**, organized by Teaching Learning Centre at IIT Bombay

Miscellaneous Experience (continued)

Faculty Development Program

- 2021 ■ **Challenges and opportunities in higher education Beyond COVID 19 in June 2021**, organized by Dr. Ambedkar Institute of Technology , Bengluru
- **Supply chain Modeling and logistics management in July 2021**, Organized by department of Mechanical Engineering, Viswajyothi College of engineering and technology
- **Additive Manufacturing and 3D Printing in July 2021**, Organized by department of Mechanical Engineering St.Joseph's College of Engineering and Technology Palai
- **Emerging Trends In Advanced Production and industrial Engineering in July 2021**, Organized by department of Mechanical Engineering Federal Institute of Science and Technology Angamaly and APJ Abdul Kalam Technological University, Kerala .
- 2020 ■ **Fluid Mechanics and Systems Aug 2020**, Department of Mechanical Engineering -Adi Shankara Institute of Engineering and Technology (NBA Accredited).

Duties/Responsibilities

- 2023 ■ **College Admission cell Co coordinator**
- **Hostel Monitoring committee convener**
- 2022 ■ **College timetable committee co coordinator**
- 2023 ■ **College funded project committee member**
- 2021 ■ **Anti ragging cell committee member**
- **DAC Memeber of Department**
- **ICET journal Committee Member**

References

1. Mr.Ajesh A
Project Engineering
M and M Engineering
Phone:9895798924
2. Dr. Faisal M.H
Vice Principal &Professor in ME Dept
Ilahia College of Engineering and Technology
Email:faisalmh78@icet.ac.in
Phone:9744166337