






Mr. ANSAL MUHAMMED K




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



Employment History

- January 2012 –  **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–.  **Ph.D(Pursuing)**, Karpagam academy of higher education : .
- 2012 – 2014  **Post Graduation, ANNA University**: ME in Engineering Design, Maharaja Engineering College , Avinashi.
Thesis title: *Starch Derivative Bio plastic From Potatoes And Estimate Its Mechanical Properties.*
- 2006 – 2010  **Under Graduation, MG University**: B.Tech in Mechanical and Engineering, SNGCE kadayiruppu.
Project title: *Design And Fabrication of Three Axis Hydraulic Modern Trailer.*

Research Publications

Journal Articles

- 1 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.
- 2 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, 2020.
- 3 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. Karpagam University, Coimbatore*, international conference, 2018.
- 4 A. M. K, “Analysis of mechanical failures in wind turbine blades,” in *Karpagam University, Coimbatore on December 2017*, National Conference, 2017.

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A. M. K, "Investigation on fatigue and weight reduction of composite wind turbine blade using nanoparticles," in *Karpagam University, Coimbatore on December 2016*, National Conference, 2016.

Skills

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|------------------|----------------------------------------------------------------------------------------|
| 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

Faculty Development Program

2021 **Challenges and opportunities in higher education Beyond COVID 19 in June 2021**, organized by Dr. Ambedkar Institute of Technology , Bengaluru

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

Miscellaneous Experience (continued)

- 2021 **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
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