

MIDHUN P MATHEW

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SUMMARY

Mechanical Engineering professional with three years of experience as an Assistant Professor. Ability to apply theoretical knowledge to practical applications, demonstrated through hands-on research projects. Strong skills in project management, data analysis, and communication, complemented by a passion for innovation and problem-solving in real-world settings. Seeking to leverage academic expertise and practical experience in a dynamic industrial role to drive engineering solutions and contribute to product development and operational excellence. Committed to continuous learning and staying abreast of industry trends to enhance engineering practices and deliver value to the organization.

SKILLS

Software Skill: MS Word • MS Excel • MS PowerPoint • Solid Works • Ansys Workbench

Technical Skill: Teaching • Presentation • Coaching • Training • Project Management

• Communication • Data analysis & Reporting • Analytical skill • Problem Solving • Attention to Detail

Other Skill: Leadership • Hardworking • Time management • Organisational & team collaboration skill

Subjects of Interest: Heat transfer • Thermodynamics • Cryogenics • Mechanics of Machinery

Languages: English • Malayalam • Tamil • Hindi

WORK EXPERIENCE

Assistant Professor (Mechanical Engineering)

Baselios Mathews II College of Engineering

July, 2024 - September, 2024

Sasthamcotta, Kollam, Kerala

Key Deliverable:

- Organized and implemented instructional program. Identified, chosen and implemented different teaching methods for students with various educational backgrounds. Transferred to student's theoretical information, practical skills, methods and techniques
- Contributed and enhanced the research activities in Mechanical Engineering. Developed individual research and innovation activities in line with the research strategy and expectations of the Institution.
- Undertaken module and programmed administration and assessment. Assisted in meeting the requirements for the monitoring of teaching, learning and research, as prescribed by the University.
- Supporting the accreditation and affiliation efforts. Mentoring students in the engineering design of products. Leading a flagship initiative of the institution.
- Initiating and developing subject material for all courses using advanced teaching techniques. Responsible for the preparation and delivery of lectures and seminars.
- Teaching interactive classes using a student-centered approach to maximize student interaction and participation, while adjusting teaching strategy based on analysis of students' individual learning styles and needs.

- Carrying out work within developed structures and plans, being consistent with expectations for students. Reviewing and reinforcing learning activities using lesson plans and learning strategies to help students master concepts and accounting skills.
- Participating in supervising applied learning experiences, evaluating student achievement, developing curriculum, formulating policies and procedures, and evaluating program effectiveness.

Publication Chair-IEEE International Conference

Baselios Mathews II College of Engineering

December,2022 -August,2024

Sasthamcotta, Kollam, Kerala

Role Description:

The Publication Chair for IEEE International Conference on Circuit, Power and Computing Technologies is responsible for managing the entire publication process, including overseeing paper submissions, coordinating peer reviews, and ensuring adherence to IEEE formatting and quality standards. This role involves organizing the review process, working closely with authors and reviewers, and handling the production of both digital and print conference proceedings. The Publication Chair ensures compliance with IEEE guidelines, addresses any ethical issues, and manages post-conference publication tasks. The position requires strong organizational and communication skills, experience in academic publishing, and a keen attention to detail.

OTHER POSITIONS HELD

- National Board of Accreditation (NBA) Coordinator, Department of Mechanical Engineering, Baselios Mathews II College of Engineering.
- Internal Quality Assurance Cell (IQAC) member, Department of Mechanical Engineering, Baselios Mathews II College of Engineering.
- Academic coordinator, Department of Mechanical Engineering, Baselios Mathews II College of Engineering.
- Organising Secretary, Elsevier International Conference on Material Science and Computational Engineering.

EDUCATION

M.Tech (Industrial Refrigeration & Cryogenic Engineering)

June,2021

CGPA:9.51

TKM College of Engineering, Kollam

B.Tech (Mechanical Engineering)

July,2018

CGPA:7.83

College of Engineering, Adoor

ACADEMIC PROJECTS

- Emission and performance test on biodiesel – B.Tech Major Project
- Heat transfer analysis on double glazed window- M.Tech project

INTERNATIONAL CONFERENCE PUBLICATION

‘Experimental study of heat transfer characteristics of phase change material–filled glazed windows’International Conference on Material Science and Computational Engineering, Materials today Proceedings,2022. DOI: <https://doi.org/10.1016/j.matpr.2022.12.223>