

# Dr. SAGAR M. NARAYANAN

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



## Employment History

- Dec 2025 ——— **Professor and Dean Academics**, Ilahia College of Engineering and Technology, Mulavoor.
- Dec 2021 – Dec 2025 **Professor**, Department of Mechanical Engineering, **HOD**, Applied science and Humanities Department, Sreepathy Institute of Management and Technology, Kerala, India.
- Aug 2014 – Dec 2019 **Full Time Research Scholar**, Thermal Engineering, Government Engineering College, Thrissur, Kerala, India.
- Jan 2009 – June 2014 **Assistant Professor**, Department of Mechanical Engineering, IES College of Engineering, Chittilappilly, Kerala, India.
- Nov 2006 – Nov 2007 **Instructor**, Mechanical Maintenance Department, Advanced Vocational Training System Kalamassery, Ernamkulam
- June 2002 – Nov 2006 **Lecturer**, Vocational Higher Secondary Education Higher Education Department, Kerala, India.

## Education

- 2020 **PhD in Mechanical Engineering, University: Calicut University, Malappuram, Kerala, India:** ,Government Engineering College, Thrissur, Kerala, India.  
Thesis title: “*Experimental and numerical investigation on the heat transfer performance of a stacked double layer micro channel.*”
- 2010 **Post Graduation, Affiliated to University of Calicut:** M.Tech in Production Engineering, Government Engineering College, Thrissur, Kerala, India
- 1999 **Under Graduation, Affiliated to University of Calicut. :** B.Tech in Mechanical Engineering, MES College of Engineering, Kuttippuram, Kerala, India.

## Research Publications

### Journal Articles

- 1 S. M. Narayanan and P. M. Kamath, “Application of a double layer circular microchannel heat sink in electronic industry,” *International Journal of Innovative Technology and Exploring Engineering*, vol. 8, no. 12, pp. 1153–1158, 2019.
- 2 S. M. Narayanan and P. M. Kamath, “Influence of a copper-based stacked circular microchannel heat sink in the thermal enhancement of electronic cooling,” *Advancement in Mechanical Engineering and Technology*, vol. 2, no. 2, pp. 14–26, 2019.
- 3 S. M. Narayanan and P. M. Kamath, “Numerical study of thermal enhancement in a stacked microchannel heat sink with different flow arrangements,” *International Journal of Management Technology and Engineering*, vol. 8, no. 11, pp. 83–89, 2018.

## Conference Proceedings

- 1 S. M. Narayanan and P. M. Kamath, "Experimental analysis of pressure drop and heat transfer performance in a copper-based double layer circular microchannel heat sink.," in *conducted by Kerala state Technological Congress 2019.*, Organized at Government Engineering College, Thrissur., 202119.
- 2 S. M. Narayanan and P. M. Kamath, "Numerical study of thermal enhancement in a stacked microchannel heat sink with different flow arrangements," in *4th International conference proceedings on Research Developments in Applied Science, Engineering and Management.*, Institution of Engineers, Chandigarh, 2021.

## Skills

Languages	■	Strong reading, writing and speaking competencies for English, Malayalam and Hindi.
Operating System	■	Windows10,Windows 8,Windows 7, Windows XP.
Softwares	■	Ansys FluenT, Autocad ,Solid works, CAD (Pro/Engineer),CAD(MSC/Nastran), Microsoft Word and Microsoft Excel, Project planning and Management.
Misc.	■	Educational Leadership, Staff Supervision and Mentorship, Strategic Planning, Conflict Resolution, Technology Expertise, Budget and Resource Management, Collaborative

## Miscellaneous Experience

### Patents:

- 2025 ■ UK design patent on 'Modular Dashboard Interface for Real time environmental monitoring' on 04-Aug-2025. (Design number: 6458165) .

### Professional Membership

- Life Member-ISTE Membership number: LM 143964

### Invited Talk

- Visiting Faculty at Kerala police Academy, Ramavarmapuram, Thrissur, in T and MTS Section from 2022.
- A one-hour lecture was delivered on the topic "Microchannel Test Facility and Experience Sharing" on 19/09/2020, conducted by department of Mechanical Engineering, GEC Thrissur. .

### Training Programs

- 2020 ■ Attended a short-term training course on computational methods in fluid dynamics organized by the department of Mechanical Engineering, Government Engineering College Thrissur from 04/03/15 to 06/03/15 under the sponsorship of the TEQUIP phase II.
- 2016 ■ Attended a short-term training programme on Finite Element Analysis using ANSYS organized by the department of Mechanical Engineering, Government Engineering College Thrissur from 13/11/17 to 15/11/17.

### Workshops

- 2022 ■ Participated in two days National Workshop (AICTE/KSCSTE Sponsored) on SPACECRAFT AND LAUNCH VEHICLE TECHNOLOGY, conducted by Department of Mechanical Engineering, MACE, Kothamangalam, on 21, 22 February 2014.

## Miscellaneous Experience (continued)

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### Faculty Development Program

- 2024 ■ Participated in a three-day FDP on “Engineering Graphics Using Autodesk Fusion: A New Teaching Pedagogy” organized by the Department of Instrumentation and Control Engineering (ISTE Palakkad Chapter, NSSCE Sponsored), NSS College of Engineering, Palakkad, held from 17 to 19 October 2024.
- Participated in a five-day Faculty Development Programme conducted by NITTR Chennai at IES College of Engineering, Chittilappilly, Thrissur, Kerala, India.

### Duties/Responsibilities

- 2021-25 ■ First Year B.Tech In-Charge, SIMAT, Palakkad (2021–Present) Oversaw academic and admin activities for first-year students.
- 2021-2025 ■ NBA Accreditation Team In-Charge, SIMAT, Palakkad, Led NBA accreditation co-ordination and documentation.
- Admission Coordinator, SIMAT, Palakkad (2021–Present) Managed end-to-end student admission process
- Tech Fest Coordinator, SIMAT, Palakkad (2021–Present) Organized and supervised technical events
- 2014-2015 ■ Research Scholars’ Representative, GEC Thrissur (2014–2015) Represented research scholars in academic matters
- Convener – AICTE and University Approvals, IESCE, Thrissur, Handled course approval processes from AICTE and University.
- Department Association In-Charge, IESCE, Thrissur Coordinated departmental student association activities.
- Time-Table Committee Chairman, IESCE, Thrissur Managed academic scheduling across departments.
- AICTE Department Coordinator, IESCE, Thrissur Managed departmental AICTE compliance and reports

## References

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1. Dr. Pradeep M. Kamath  
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2. Dr. E.J. James  
Pro Vice Chancellor  
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