

Mr. Jayakrishnan S

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🌐 <https://icet.ac.in/biomedical-engineering-department//>



Employment History

- June 2026 – **Assistant Professor(Senior Grade)**, Department of Electronics Communication and Biomedical Engineering Ilahia College of Engineering and Technology
- Aug 2023 – April 2026 **Assistant Professor**, Department of Biomedical Engineering, Sahrdaya college of Engineering and Technology
- Oct 2022 – Oct 2023 **Head creative Content and Teacher** ,Biology Higher secondary and NEET Eduport Pvt.Ltd
- Aug 2016 – Nov 2021 **Assistant Professor**, Department of Biomedical Engineering, TKM Institute of Technology, Kollam
- Nov 2015 – July2016 **Clinical Application Specialist** , Kody Medical Electronics,Chennai, Tamilnadu

Education

- Feb 2024 **PhD Pursuing**,Manipal Academy For Higher Education : PhD in Biomedical Engineering. Thesis Focus: Bio composite-Based Sensor for Sweat Analysis
- 2013-2015 **Post Graduation**, Karunya Institute of Technology and Science, Coimbatore: **MTech in Biomedical Instrumentation**
- 2009-2013 **Under Graduation**, Noorul Islam Centre For Higher Education, Thuckalay: **BE in Biomedical Engineering.**

Research Publications


Journal Articles

- 1 J. Jacob et al., "Recent advances in wearable sensor technology for sweat analysis," *Discover Applied Sciences*, vol. 8, p. 413, 2026. [DOI: 10.1007/s42452-026-08404-8](https://doi.org/10.1007/s42452-026-08404-8).




Conference Proceedings

- 1 F. Francis, S. Jayakrishnan, V. Rajesh, J. S. Saji, and P. V. Vinesh, "Detection of anemia from conjunctival pallor and nail color using image processing," in *2024 International Conference on Advancement in Renewable Energy and Intelligent Systems (AREIS)*, IEEE, 2024. [DOI: 10.1109/AREIS62559.2024.10893674](https://doi.org/10.1109/AREIS62559.2024.10893674).
- 2 S. F. et al., "Portable and centralised e-health record system for patient monitoring using internet of things (iot)," in *2018 International CET Conference on Control, Communication, and Computing (IC4)*, Trivandrum, India: IEEE, Jul. 2018, ISBN: 978-1-5386-4966-4.

Funding




- Research Grants  "Selected for Faculty Research Seed Grant Program: "Development of nanocomposite-based sensors for sweat analysis"

Skills









- Languages  Strong reading, writing and speaking competencies for English, Malayalam, Intermediate in Tamil and Hindi
- Softwares  MATLAB, Virtual Instruments, LATEX
- Misc.  Branding and Promotion, Multimedia, Book writing, Innovative teaching implementations, and Experiential Learning.

Miscellaneous Experience







Awards and Achievements

- 2017  **Merit Award**, 100% Result in Cochin University B.Tech result
- 2024  **Merit Award**, 100% Result in APJ KTU University B.Tech result
- 2025  **Merit Award**, 100% Result in APJ KTU B.Tech result




Certification/Affiliation

- 2023 Oct-  **BMESI Life Long Member**
-  **Judge for Business Plan at Meraki 2k23, Sahrdaya Institute of Management Studies**
- 2025 June-  **Text Book Translation and Review- AICTE Diploma Level, Micro controllers, Malayalam**
- 2025 Nov-  **BIRAC ISO 13485 ISO certified Internal Auditor**
- 2025 DEC-  **IEE EMBS All Kerala Idea Fest Jury Member**
- 2026 Feb-  **Conference Reviewer-2026 International Conference on AI-Driven Solutions for Sustainable Smart Cities: Challenges and Opportunities**
- 2026 Mar-  **Conference Reviewer-39th National Convention of Computer Engineers, Model Engineering College, Kochi**
- 2026 June-  **Conference Reviewer-2026 International Conference on Innovations in Engineering and Technology, ICET Muvattupuzha**









Seminars

- 2025  **Coordinator, STTP ISO 13485:2016 Regulatory and Internal Audit Awareness — Nov 2025, by SCET-BIRAC, Kerala.**
-  **Completed MOOC, Biomedical Nanotechnology — Swayam-NPTEL, by Thejus Engineering college, Thrissur.**
- 2021  **Attended, Paradigm Shift in Assessment and Evaluation Practices for Engineering Graduates — STTP, Amal Jyothi College**
-  **Attended, Stress Management — AICTE ATAL Academy (Nov 2020)**
- 2019  **Completed MOOC, Introduction to Research — NPTEL,**
-  **Completed MOOC, Medical Regulatory and IVDS — NPTEL,**

Duties/Responsibilities

- 2025  **Biomedical 2024,2025 curriculum BOS member (SCET, Kodakara)**
- 2026  **Syllabus Committee**
- 2025  **Coordinator, Institute Industry Interaction Cell**

Miscellaneous Experience (continued)

- 2026  **Coordinator, Placement and Internship cell**
- 2025  **Department coordinator, NBA Criteria 4 Tier -1 and 2**
-  **NAAC criterion 1 Coordinator**
- 2024  **Coordinator, University Examination Cell**
- 2023,24  **Incharge, Magazine and Publication Committee**
- 2024  **Mentor 2022-26 BME Batch**
-  **Coordinator, NSS and Sports Club**
- 2023  **Coordinator, General Program Committee**

References

Dr. Dr. Ramkumar S,

Principal

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Dr. Jis Paul

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