IEEE NHCE STUDENT BRANCH

NEW HORIZON COLLEGE OF ENGINEERING

IEEE SMC Systems, Man, and Cybernetics Society

New Horizon College of Engineering, SMC28 (SBC561MK) Student Branch Chapter

Workshop

Research Challenges in Biomedical Cybernetics

10 December 2025

02:00 PM - 03:00 PM

Falconry Seminar Hall

Dr. Jimsha K Mathew
Associate Professor
Department of AIML
New Horizon College of Engineering
Bengaluru

Organising Committee

Dr. Sreejith S	Dr. N V Uma Reddy	Dr. Revathi V	Dr. R J Anandhi	Dr. Manjunatha
Associate Professor - AIML	HoD - AIML	Dean - R&D	Dean – Academics	Principal

Organised by
Department of Artificial Intelligence and Machine Learning

NEW HORIZON COLLEGE OF ENGINEERING

Department of Artificial Intelligence and Machine Learning

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Event Report

Title	**Research Challenges in Biomedical Cybernetics**	
Department	Artificial Intelligence and Machine Learning	
Date	From: 10.12.2025	To: 10.12.2025
Time	From: 02:00 PM	To: 03:00 PM

The IEEE Systems, Man, and Cybernetics (SMC) Society, in association with the Department of Artificial Intelligence and Machine Learning, New Horizon College of Engineering, successfully organized a workshop titled "Research Challenges in Biomedical Cybernetics" on 10th December 2025, from 02:00 PM to 03:00 PM, at the Falconry Seminar Hall.

The workshop was delivered by Dr. Jimsha K Mathew, Associate Professor, Department of AIML, New Horizon College of Engineering, Bengaluru. The session focused on addressing key research challenges in the field of biomedical cybernetics, highlighting the integration of cybernetic principles with biomedical systems, healthcare technologies, and intelligent medical applications.

The talk provided participants with valuable insights into emerging research problems related to physiological signal processing, medical data interpretation, human–machine interaction in healthcare, and AI-driven biomedical systems. The session encouraged students and faculty members to explore interdisciplinary research opportunities at the intersection of artificial intelligence, cybernetics, and biomedical engineering.

The workshop was interactive and engaging, enabling participants to clarify their queries and gain practical understanding of current challenges and future research directions in biomedical cybernetics. The session was well received by the attendees and significantly contributed to enhancing awareness of cybernetics-based approaches in modern healthcare and biomedical research.

Images	 Dr.Rajesh  Biomedical Cybernetics Research Challenges NEW HORIZON COLLEGE OF ENGINEERING