

General Workshop Information

Workshop Title: From Prompt to Research: Applications of AI Chatbots in Engineering and Medicine

Workshop Type: Specialized Workshop of ICBME 2026

Organizer: The 33rd National Conference and the 11th International Conference on Biomedical Engineering

Instructors: Dr. Ebrahim Najafzadeh, Faculty Member at Iran University of Medical Sciences, Eng. Ali Kazemi, and Eng. Reyhaneh Fadaei Eslam

Date: November 17, 2026

Duration: 3 hours

Format: Online

Venue: Isfahan University of Technology

Workshop Overview

This workshop aims to introduce participants to the practical applications of AI-powered chatbots in research and problem-solving across engineering and medical fields. Participants will become familiar with prompt design, effective use of artificial intelligence tools, and the application of AI chatbots throughout different stages of the research process.

Topics and Course Outline

- Introduction to AI chatbots and Large Language Models (LLMs)
- Introduction to the principles of Prompt Engineering
- Techniques for designing effective prompts for scientific and research applications
- Applications of AI chatbots in scientific information retrieval, collection, and organization
- Using AI for scientific writing, editing, and text improvement
- Applications of AI chatbots in engineering and medical problem-solving and analysis
- Limitations, errors, and ethical considerations in the use of AI in research
- Practical approaches to the responsible and effective use of AI chatbots in research

Registration Fee

General: 6,000,000 R

Conference Participant: 4,000,000 R