

Research interests

- ## Education

Research experience

Honors and Awards

Projects

Related Course: Mechanisms Design

- Created a comprehensive 3D model of the R-3000 Rotopod in SOLIDWORKS, accurately representing its mechanical structure and movements. Simulated dynamic performance in MATLAB to analyze key operational parameters and behavior.

Selected Courses

Artificial Intelligence, GPA :19.9/20 (4/4)

Automatic Control Systems, GPA : 18.1/20 (4/4)

Fundamental of Programming , GPA :19.1/20 (4/4)

Teaching experience

Artificial Intelligence , Teaching Assistant Fall 2024

The school of Mechanical Engineering, Iran University of Science and Technology,
Instructor: Dr. Seyed Hassan Zabihifar, Assistant Prof.

Engineering Dynamics , Teaching Assistant Fall 2024

The school of Mechanical Engineering, Iran University of Science and Technology,
Instructor: Dr. Majid Rajabi, Associate Prof.

Automatic Control Systems, Teaching Assistant Winter 2025

The school of Mechanical Engineering, Iran University of Science and Technology,
Supervisor: Dr. Amir Hossein Davaie Markazi, Prof.

Mechanical Vibrations , Teaching Assistant Winter 2025

The school of Mechanical Engineering, Iran University of Science and Technology,
Instructor: Dr. Majid Rajabi, Associate Prof.

Technical skills

Programming Languages: Python, MATLAB, C++

Machine Learning Frameworks: TensorFlow, Keras, PyTorch

Python Libraries: NumPy, Matplotlib, Pandas, SciPy, OpenCV

Engineering Softwares: Webots, Arduino, SOLIDWORKS, MSC ADAMS, Simulink, Abaqus CAE

Languages

English: Fluent. TOEFL iBT: available on 4 November 2025.

Reading: - /30 Listening: - /30 Speaking: - /30 Writing: - /30

Persian: Native

References

- **Dr. Seyed Hassan Zabibifar**
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Dr. Majid Rajabi
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