Graduate Studies

Founded with the mission to advance knowledge in the field of computer science and engineering, our faculty has been at the forefront of technological innovation since its inception. We offer a Master of Science (M.Sc.) degree in a variety of cutting-edge fields, with a strong emphasis on Artificial Intelligence (AI) and Robotics, the Internet of Things (IoT), Data Mining, and System Theory. Our program is designed to equip postgraduate students with the skills and knowledge necessary to excel in both academia and industry.

Department Facts

- Since **2003**
- **12** Faculty
- **683** Alumni
- **134** Students

Institute for Advanced Studies in Basic Sciences
Zanjan, Iran

444 Prof. Y. Sobouti Blvd.,
Gava Zang, Zanjan, Iran.
Po.Box: 45137-66731

international@iasbs.ac.ir

(+98) 24 3315 1000

Department of Computer Science and IT

www.iasbs.ac.ir

www.iasbs.ac.ir/departments/itcs/

Departmental Overview

Since our establishment in 2003, we have evolved from offering a bachelor's degree in Information Technology Engineering to becoming a premier institution for post-graduate education in computer science. Our history of collaboration with international universities, such as Heriot-Watt University in Scotland, and our progressive expansion into new specializations demonstrate our commitment to staying at the cutting edge of the field. We now offer specialized tracks in Algorithms and Computation Theory, Data Mining, Artificial Intelligence and Robotics, and Systems Theory, reflecting the dynamic nature of our discipline.

Areas of Study

- Artificial Intelligence and Machine Learning
- Data Science
- Algorithm and Computational Complexity
- Internet of Things
- Bioinformatics
- Real-Time Systems

Head of the Department:
Dr. Mahdi Vasighi
itcs.info@iasbs.ac.ir

Research Facilities

Our faculty is home to state-of-the-art research facilities, providing students with the resources and support needed to pursue cutting-edge research. We host several specialized laboratories, each focused on a critical area of computer science and engineering:

1. **Artificial Intelligence Laboratory:** Focused on AI research, including machine learning, natural language processing, and autonomous systems.
2. **Data Science & Bioinformatics Laboratory:** Dedicated to the intersection of data science and biology, this lab explores computational methods to understand biological data.
3. **IoTCPP (IoT Connected Product & Platform):** A hub for IoT innovation, focusing on developing connected products and platforms.
4. **Computational Medicine & Language Technology Laboratory:** Merging computational techniques with medical research, this lab also explores advancements in language technology.
5. **Wireless Communication Laboratory:** Specializing in next-generation wireless communication systems, from protocols to implementation.

Our laboratories are equipped with the latest technology and supported by a team of experienced researchers and faculty members. Students have access to grants and funding opportunities to support their research endeavors, ensuring they can focus on pushing the boundaries of knowledge.