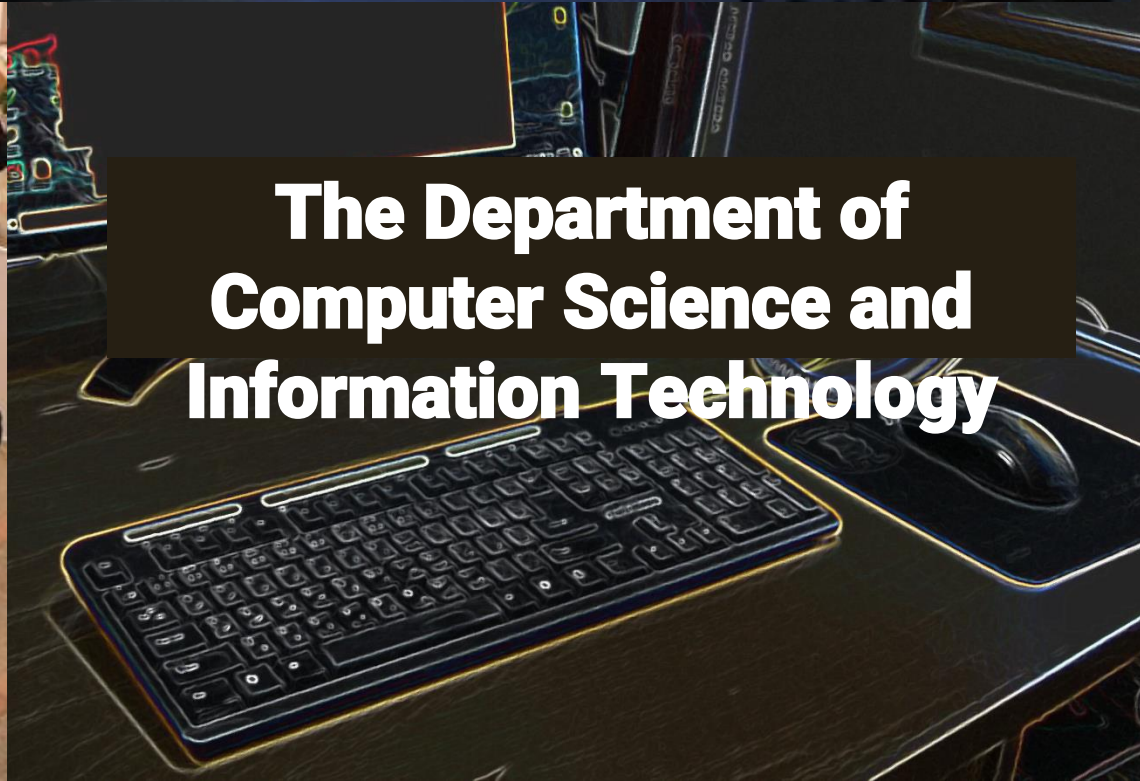**Institute for Advanced Studies in Basic Sciences**
Gava Zang, Zanjan, Iran

The Department of Computer Science and Information Technology

Departmental Overview

The Department of Computer Science and Information Technology of the IASBS is dedicated to research and education at the postgraduate level. We offer PhD and MSc programmes in various fields of computer science and engineering. We have active research in numerous multidisciplinary areas in Artificial Intelligence, Data Science, Computer Networks, Computer Systems, Theory of Computation, and Complexity. Current research areas include Machine Learning, Computer Vision, Artificial Neural Networks, Algorithms and Graphs, Robot Motion Planning, Deep Learning, Optimisation, Real Time Systems, Stochastic Processes, IoT, Natural Language Processing, Parallel Algorithms, Data Mining in Biological Systems, Protein Structure Classification, Information Security, Computer Networks. Cloud Computing, Computational Geometry, Multi-Agent Systems.

Areas of study

- ✓ **Artificial Intelligence and Machine Learning**
- ✓ **Theory of Computation**
- ✓ **Complexity, Algorithms**
- ✓ **Robotics**
- ✓ **Bioinformatics**
- ✓ **Real Time Systems**
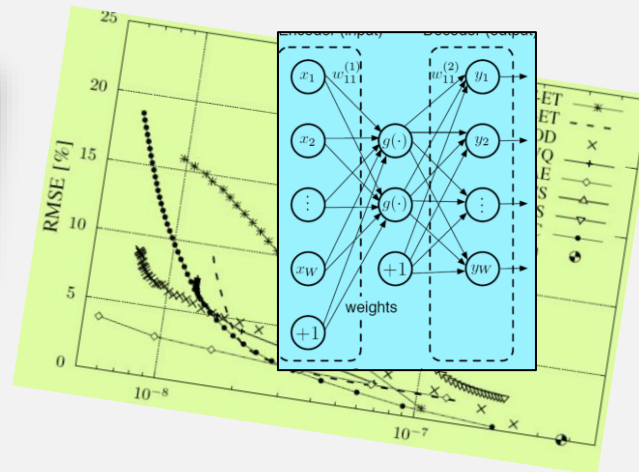
Faculty members

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Assistant Prof of Bioinformatics
*(*Multivariate Data Analysis, Bioinformatics, Artificial Neural Networks, Chemometrics*)*
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Research facilities

- ✓ The Department provides facilities in the service of its teaching and research programmes. The main laboratories are
  - Artificial Intelligence
  - Bioinformatics
  - Cloud Computing
  - Network and Computer Security
  - Robotics and Computational Geometry

- ✓ Further analytical facilities housed in other departments of the Institute are also available to the faculty and students.

- ✓ A range of general facilities are available to support student activities, such as personal office space, computer lab, web facilities, and conference rooms.

- ✓ The Department holds joint programmes with national and international universities.
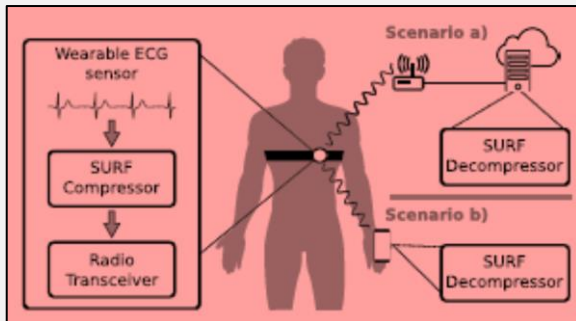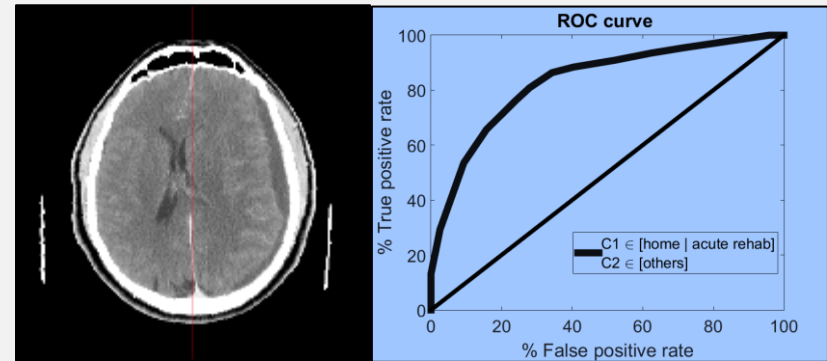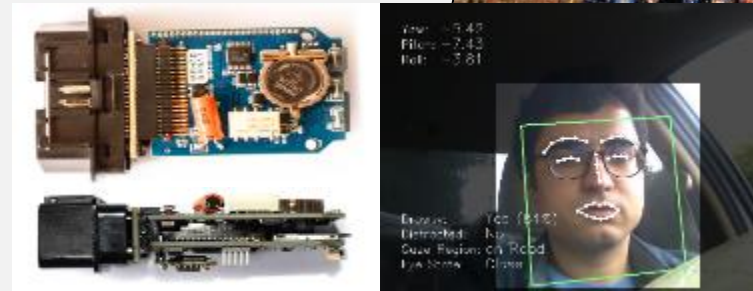
Graduate studies

- ✓ The Department of Computer Science and Information Technology offers the following course- and research-oriented postgraduate degree programmes:
  – MSc in Computer Science – Systems, and Data Mining
  – MSc in Computer Engineering – AI and Robotics

- ✓ The MSc degree is a two-year programme with 10 to 12 courses in the first year and a research thesis project in the second year. Individuals with a **bachelor's degree** in computer science, computer engineering, information technology, informatics, mathematics, or electrical engineering are eligible to apply.

Contact us

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