International Affairs Office
Faculty Flyer
Department of Computer Engineering

دانشگاه کردستان
University of Kurdistan
زانکۆی کوردستان

Distributed Computing Systems Research Laboratory (DCS Lab)

1- Introduction

The Distributed Computing Systems Research Laboratory (**DCS Lab**) is a network and software research group within the Department of Computer Engineering and IT at the University of Kurdistan, Sanandaj, Iran. The DCS Lab has two main missions. First, we are working on the design and development of the Internet of Things (IoT) applications and platforms for Smart Home, Smart City, Healthcare, Smart Grid, Agriculture, and so on. Second, we perform researches on a broad spectrum of issues and challenges associated with Cloud Computing, Fog/Edge Computing, Mobile Edge Computing, Low Power and Lossy Networks, Distributed Systems, Data Center Networks, High-Performance Computing, and Big Data Processing.

2- Research Interests

Our main research interests include, but are not limited to:

- Virtual Machine/Application/Service/Function Placement

- Virtual Machine/Application/Service/Function Migration
- Task Scheduling
- Task Offloading
- Autoscaling
- Energy-aware Resource Allocation
- Combinatorial Optimization Algorithms
- Flow Management in Data Center Networks
- Routing Protocols for Different Networks
- Big Data Processing and Analysis

3- Join the Team

We are always looking for motivated undergraduate and graduate students to work with us. We are interested to work with students with background in software, networking, optimization and algorithms. If you are interested to join the team and have joint works, please send an email to **s.azizi@uok.ac.ir**, include your CV, and describe what aspect of our research is interesting to you.

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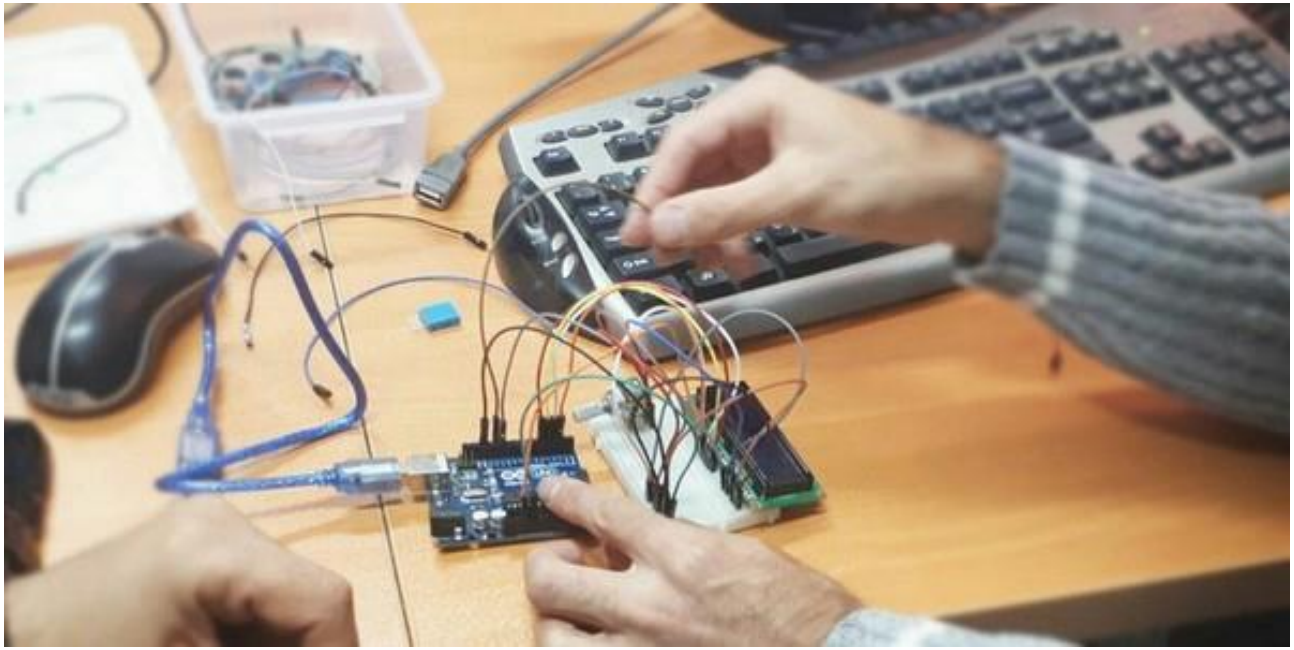

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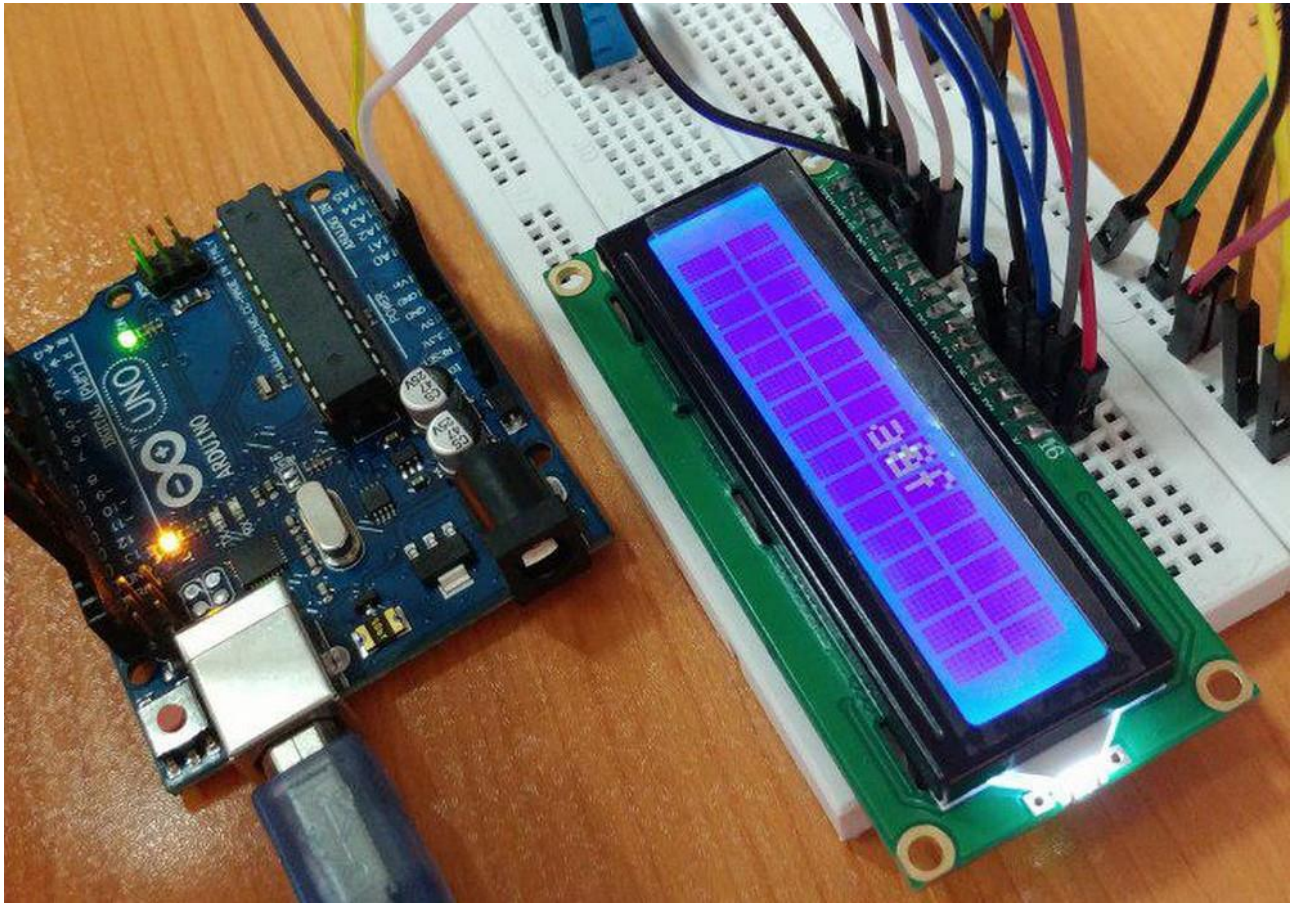

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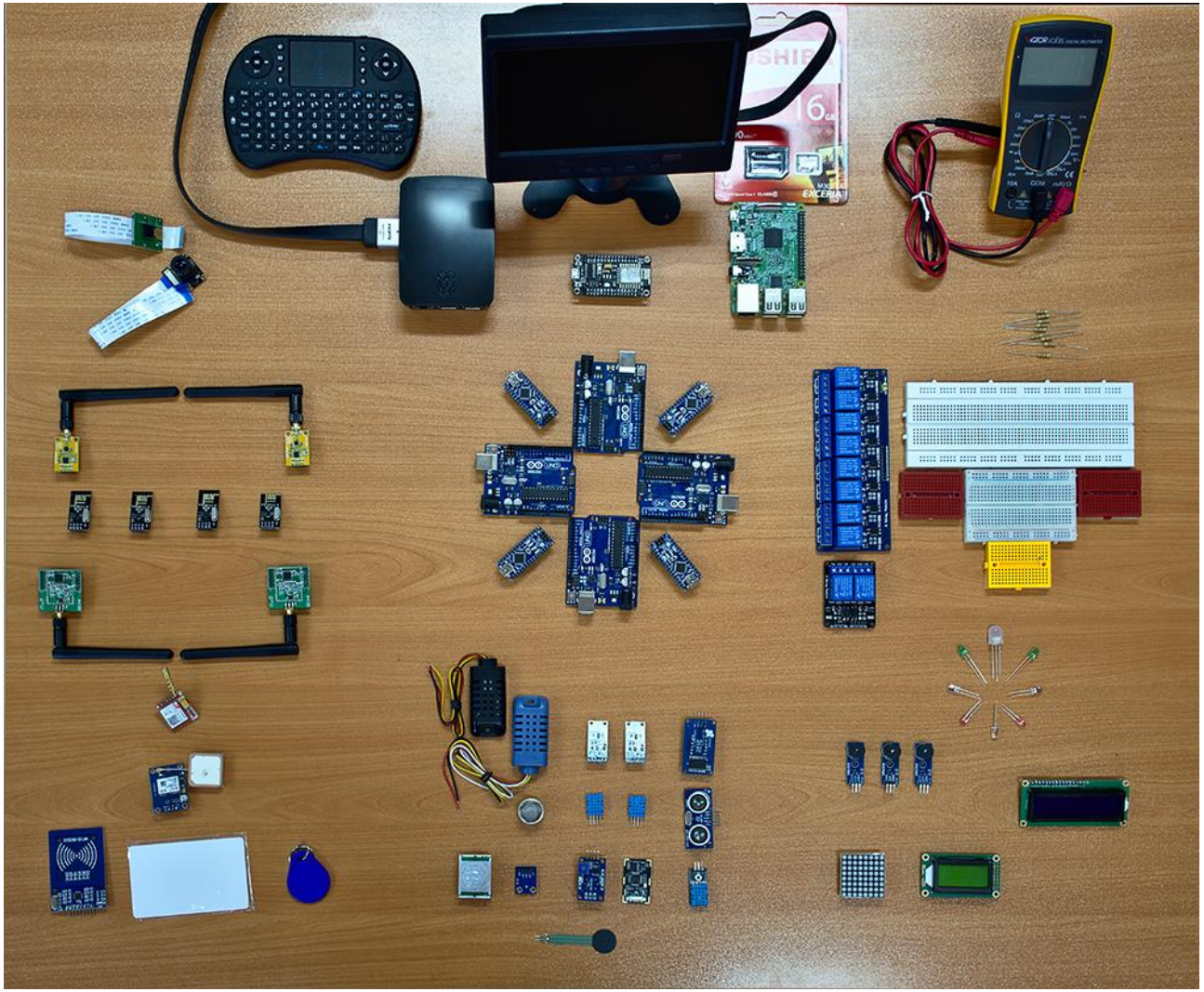

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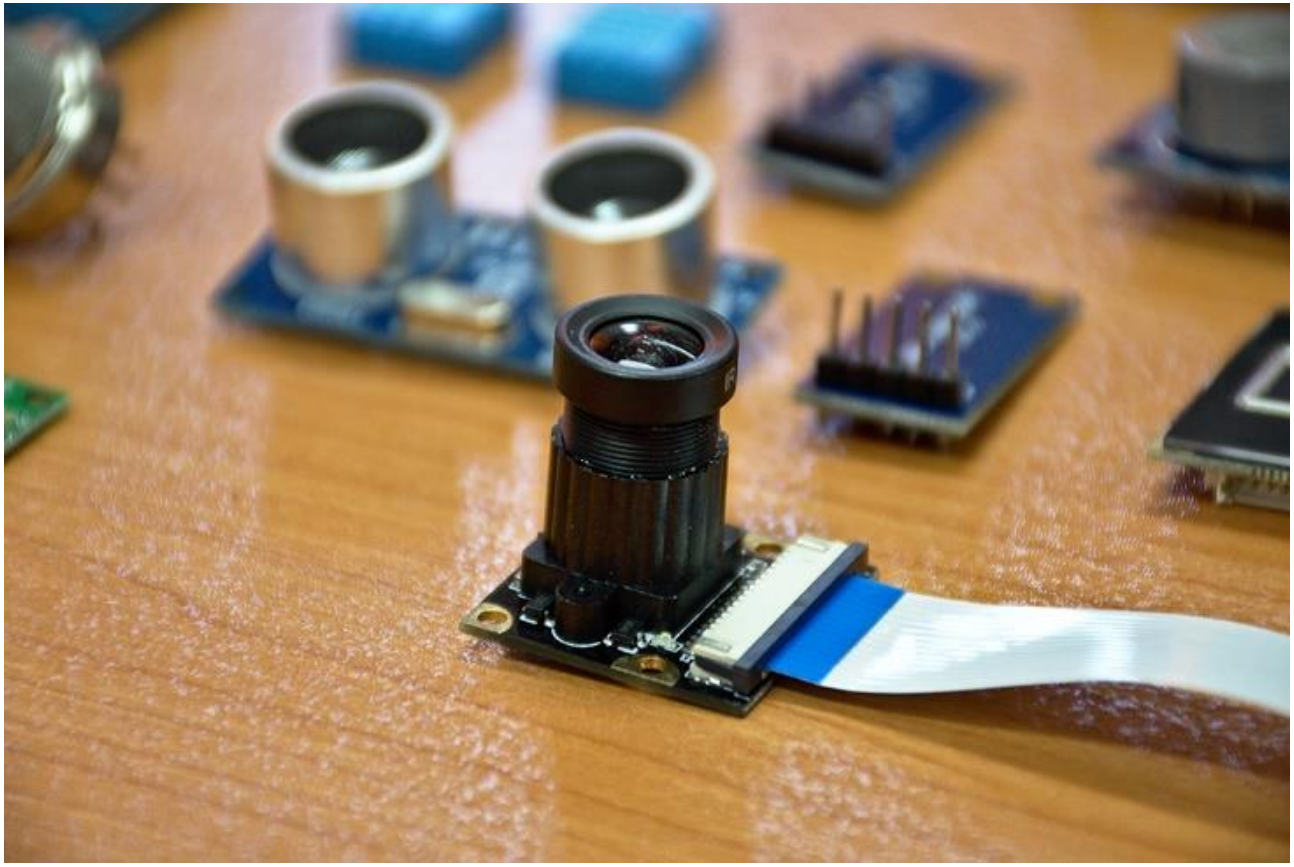
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