

**Faculty of Engineering and Natural Sciences**

# Computer Engineering

Presentation





# What is Computer Engineering?

## 1. ABSTRACT THINKING (mathematics)

For every field in Information Systems

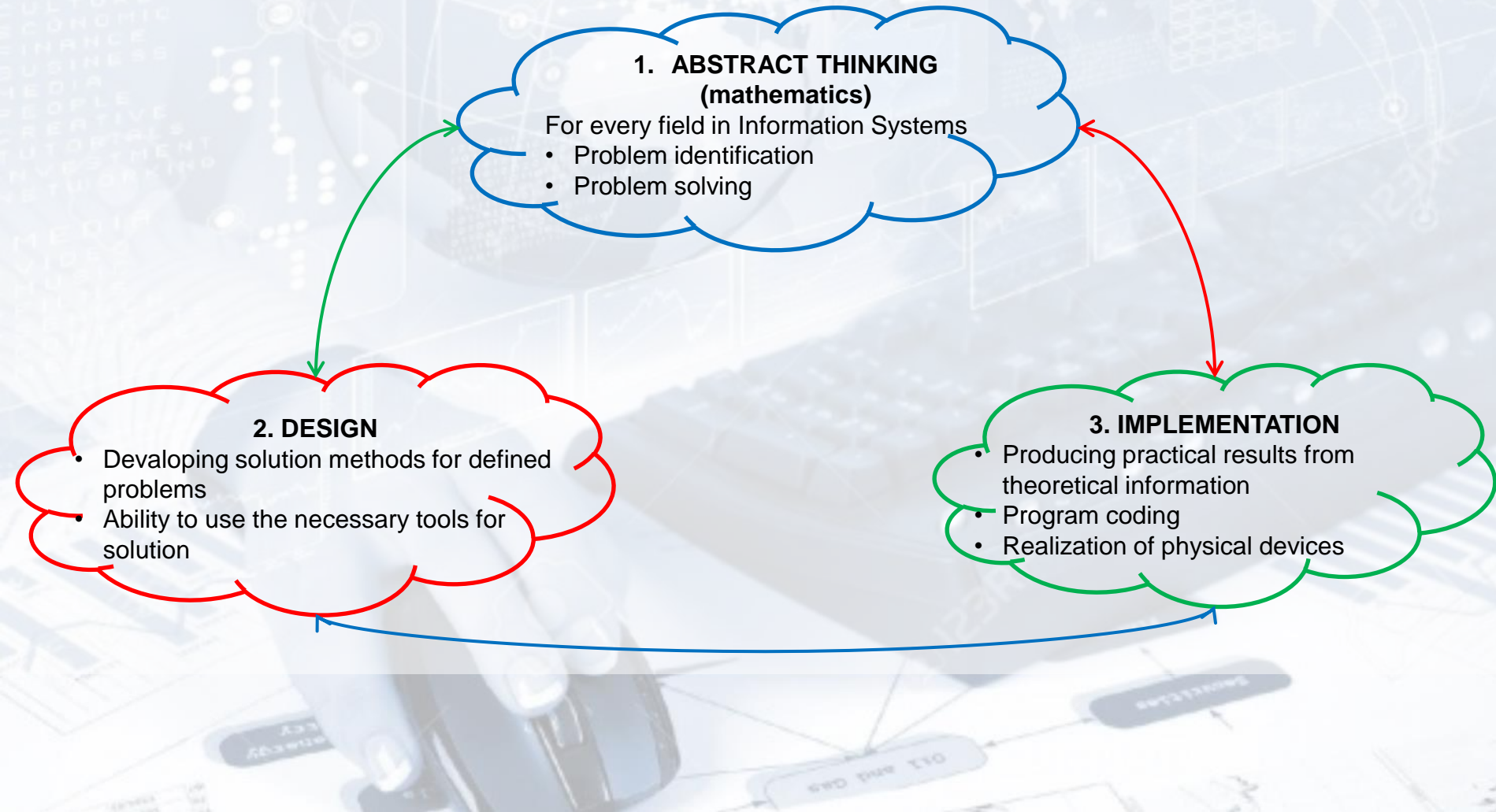
- Problem identification
- Problem solving

## 2. DESIGN

- Developing solution methods for defined problems
- Ability to use the necessary tools for solution

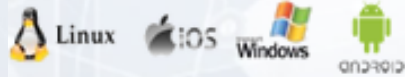
## 3. IMPLEMENTATION

- Producing practical results from theoretical information
- Program coding
- Realization of physical devices



# Computer Engineering Working Areas

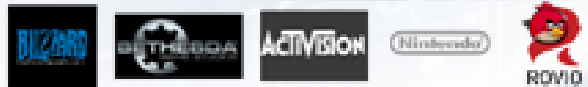
- Operating Systems



- Social Media / Social Networks



- Computer Games



- Robots



- Smart Devices



- Computer Networks



- Human – Machine Interaction



- Data Processing



- Artificial Intelligence



- Information Security



# Employment Opportunities

- Research and development (R&D) centers that belongs to public or private
- At different positions in many fields, especially in industry, management and service sectors
  - Software developer
  - Software engineer
  - Quality/test engineer
  - System analyst
  - System expert
  - Interface engineer
  - Database manager
  - Data communication expert



# Our Department

- Laboratory and research opportunities
- Modern classrooms
- Rich academic staff
- Rich fields of expertise
- Variety of opened courses
- Excessness of scientific publication and carried out projects
- Partnership in international programs

# History of the Department

Konya Technical University, Faculty of Engineering and Natural Sciences, Computer Engineering Department was established in 1994 under Selcuk University, Faculty of Engineering and started to take students since 1995. It was incorporated into the newly established Konya Technical University in 2018. As of the end of the 2019-2020 academic year, it has graduated its 22nd semester. To date, 1769 people have graduated and a total of 978 students, 493 of whom are Normal Education and 485 of which are Secondary Education, continue their education. 52 students from the doctoral program, 172 from the master program and 124 students from the non-thesis master's program graduated. We have 56 students attending the doctorate program, 92 attending the master program.

# Vision of Our Department

- Enriching academic staff
- Expanding fields of expertise
- To increase the variety of lessons
- Increasing the number of scientific publications and projects carried out
- To increase the quality of master's and doctorate programs
- To expand laboratory and research opportunities
- Becoming a leading and well-known department in many respects



# Mission of Our Department

- To prepare innovative and unique education and research opportunities
- To have the latest information in the field of computer engineering
- To be able to produce new information and spread this information
- To train computer engineers who can use computer technologies competently and produce independent solutions to problems.



# Computer Laboratories



# Electronic Laboratory





# Microprocessor Laboratory



# Classrooms





# Academic Staff

With

- **4** Professors,
- **4** Associate Professors,
- **9** Assistant Professors,
- And **10** Research Assistants

continues its education, research and development activities.

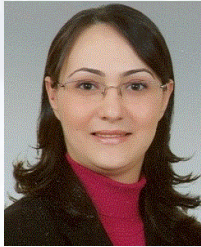
# Department of Computer Science



Prof. Dr. Halife KODAZ



Assoc. Prof. Dr. Ahmet BABALIK



Asst. Prof. Dr. Nurdan BAYKAN



Asst. Prof. Dr. Ömer Kaan BAYKAN



Asst. Prof. Dr. Sait Ali UYMAZ



Res. Asst. Fatih TİTREK



Res. Asst. Zeynep ORTAÇAY



Res. Asst. Aybüke BABADAĞ



# Department of Computer Hardware



Prof. Dr. Gülay TEZEL



Assoc. Prof. Dr. Mesut GÜNDÜZ



Assoc. Prof. Dr. Mustafa Servet KIRAN



Asst. Prof. Dr. Betül UZBAŞ



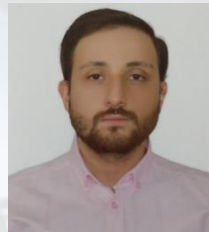
Asst. Prof. Dr. Alper KILIÇ



Res. Asst. Fatma Zehra GÖĞÜŞ



Res. Asst. Ali SAĞLAM



Res. Asst. Emir Ali DİNSEL

# Department of Computer Software



Prof. Dr. Erkan ÜLKER



Prof. Dr. Harun UĞUZ



Assoc. Prof. Dr. İsmail BABAOĞLU



Asst. Prof. Dr.  
Ersin KAYA



Asst. Prof. Dr.  
Hazim İŞCAN



Asst. Prof. Dr.  
Sedat KORKMAZ



Asst. Prof. Dr.  
Semiye DEMİRCAN



Res. Asst.  
Ürün TUNALI



Res. Asst.  
İsmail KOÇ



Res. Asst.  
Gökhan SEYFİ



Res. Asst.  
Merve YILMAZ



Res. Asst.  
Fatma TAŞKIRAN





**As of the end of 2020, The Number of  
Total Project, Article and Paper  
Completed by Our Department's  
Academic Staff**

# Number of Projects

- **1 European Union project**
- **27 TÜBİTAK projects**
- **10 in-house projects**
- **13 external projects**



# Number of Articles

- **167 SCI / SCI-Expanded** articles
- **72 international** articles scanned by other indexes
- **15 national** articles scanned by other indexes
- **6494** total number of citations (Article + Paper)

# Number of Papers

- **281 international full text papers**
- **31 national full-text papers**
- **58 international abstracts papers**
- **6 national abstracts papers**



# OUR AWARDS



# TUBİTAK 2242

## Undergraduate Students Software Projects Competition " Smart and Technological Solutions Category " Third Prize



**Project name:** Image Based Turkish Sign Language Translation System for People With Hearing Problems

**Consultant Faculty Member:** Asst. Prof. Dr. Ömer Kaan BAYKAN

**Student:** Elif EZEL



# 2018- TÜBİTAK 2238 BİDEB Entrepreneurship and Innovation Competition First Place in Region



**Project name:** Three-Dimensional Printer for Children  
**Consultant Faculty Member:** Prof. Dr. Erkan ÜLKER  
**Student:** Merve ÖZPOLAT

# UNIKOP 4. Engineering Student Project Market Information and Communication Technologies Thematic Field First Prize



**Project name:** Three-Dimensional Printer for Children  
**Consultant Faculty Member:** Prof. Dr. Erkan ÜLKER  
**Student:** Merve ÖZPOLAT



# At the event named "GLOBAL GAME JAM " In the game making contest held in 2014 4th place



**Game name:** Arrest

**Developer Team:** Alp Erkmen UZUN, Andaç TEMEL, Eda Çağıl  
ÇAĞLARIRMAK, Emre KIZILDAĞ, Özer ÖNDER, Yusuf Eren UTKU

# INFORMATION TECHNOLOGY COMMUNITY

- BİLMÖK'17
- BREAKFAST ORGANIZATIONS
- ORIENTATION
- GRADUATE REUNION



# BİLMÖK'17





# BREAKFAST ORGANIZATIONS





# ORIENTATION

- With the Support and Orientation Program for the 1st Grades, Algorithm and Programming Work is Made with Our Volunteer Trainers to Our New Friends. At the end of the event, game competition is organized.



# GRADUATE REUNION





## CONTACT

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