Attracting & Retaining Female Students from Bachelor and Master to PhD

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Who am I?

- An academician at a state university in Turkey
- BS Degree, 2010 CEIT
- MS Degree, 2015 CEIT
- PhD Degree 2021 CEIT

**Study fields**
- Instructional design
- Self-regulation
- Human computer interaction
- Human performance technology

**Projects**
- EUGAIN WG4
- REMO WG2, WG3

My Path in Computer Sciences
Before Undergraduate Education

- A child & teenager eager to learn technological tools
- Strong belief and confidence that "I could do the work that men do!"
- Decided to study computer sciences

Which Faculty?

Education  Engineering

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Undergraduate Education

- Collectivist society, sharply defined roles for genders
- Suggestions of inner circle
- Decision: Computer education and instructional technology field

My Path in Computer Sciences

Which Faculty?
Education  Engineering
Undergraduate Education: Problems Starting to Emerge

- Being very inexperienced in software related topics
- No sufficient answers received to requests for help
- Decrease in self-efficacy

«Don’t give me the fish but teach me to fish»
My Path in Computer Sciences

Graduate Education

As a graduate student

• Stayed away from software for a while
• OK with the previously acquired knowledge
• Until the mobile app I will be developing as part of my PhD
• Mobile app? New challenge :S

As a teaching assistant

• Observations in database, programming, etc. courses
• Low self-efficacy of women students
  • Reserved
  • Feel inadequate
  • Give up easily
• More support for them

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Mobile App Development Process

My Path in Computer Sciences

• Almost no knowledge
• Low self-efficacy
• Fear of failure
• Time pressure
Mobile App Development Process

- Hiring a web developer for a while
- Timing issues
- Insufficient arrangements
- Technical problems
- Unmet expectations
My Path in Computer Sciences

- Use of cloud-based web development services
- Ready-to-run apps
- Website – mobile app converter
- Expert support

What were the Alternatives?
My Path in Computer Sciences

For Me

- Learning bootstrap (Already started 😊)
- Bring the mobile or web-based intervention programs to the optimal level

For My Students

- Focusing on prevention and alleviation of low computer self-efficacy

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My Path in Computer Sciences