

Polytechnic University of Tirana

Department of Computer Engineering

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Software engineers, the transition from student to employee in the Albanian job market

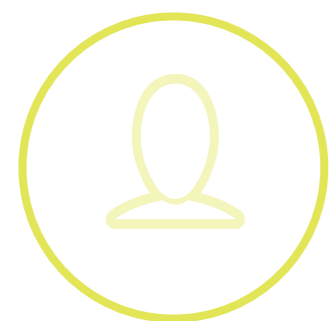
Introduction



Institute of statistics in Albania (INSTAT) , has only data for employment & unemployment rate



University - no formal study concerning its student employment



Department of Computer Engineering - had unofficial data about the number of employed students

How many of them are employed in specific positions



Making a concrete study concerning employment of computer engineering students and specifically related to working as software engineers.

Our concern?



Employment opportunities offers for software engineers are increasing



Less students taking this career path.



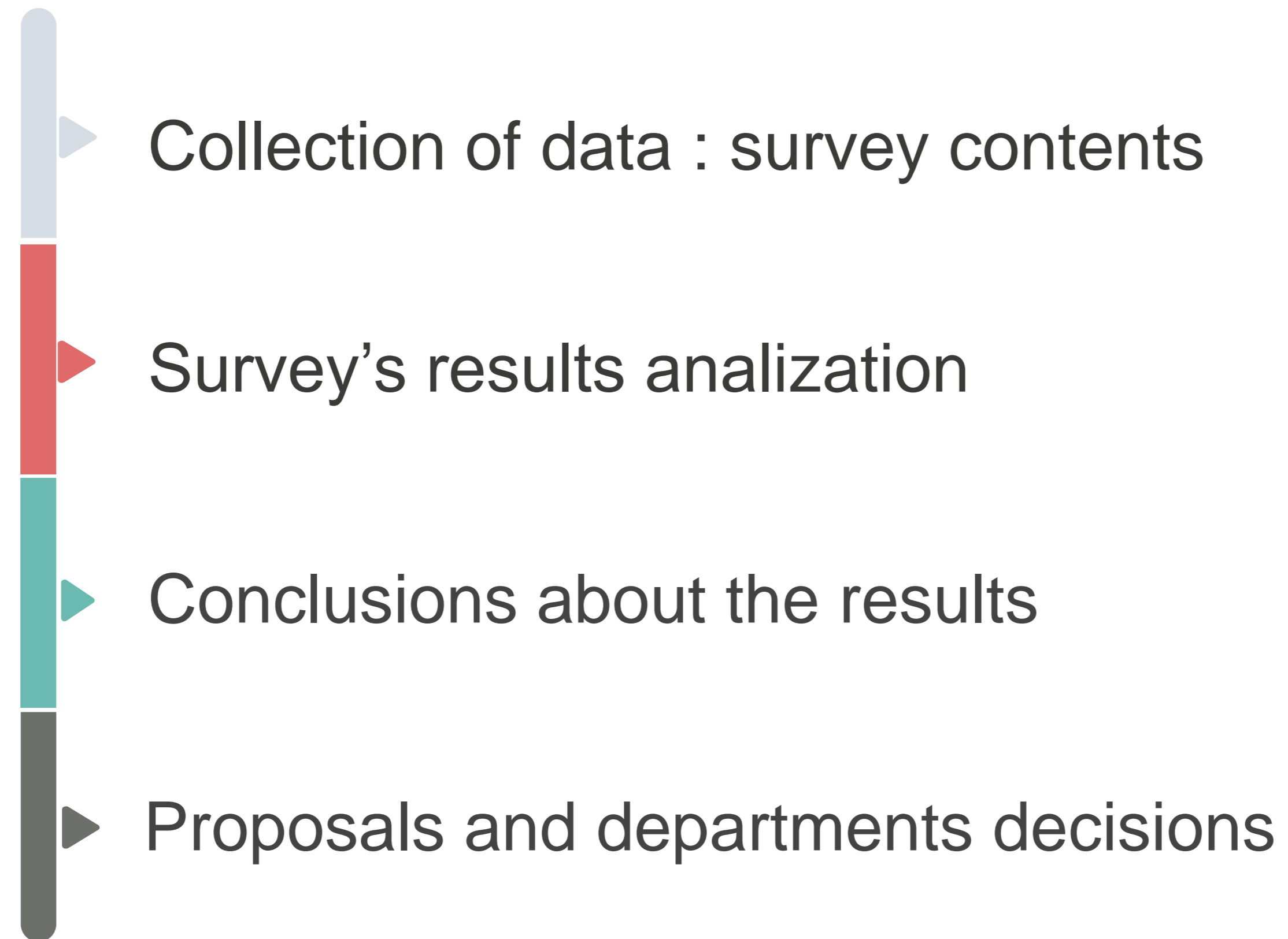
A gap in the transition from students to employee is obvious.

Reasons

Observe the problem

Ideas for improving

Procedure



Data collection process

Why ?

To get information from all related sources

What ?

25 questions survey

Who ?

- 150 Students where 68% (computer engineering students) from last 4 years at UPT 2013-2016
- 12 Software Companies administrators (employers) with 4-50 employees

Where ?

Tirana, Albania

When ?

June - August 2016

How ?

Data collection process

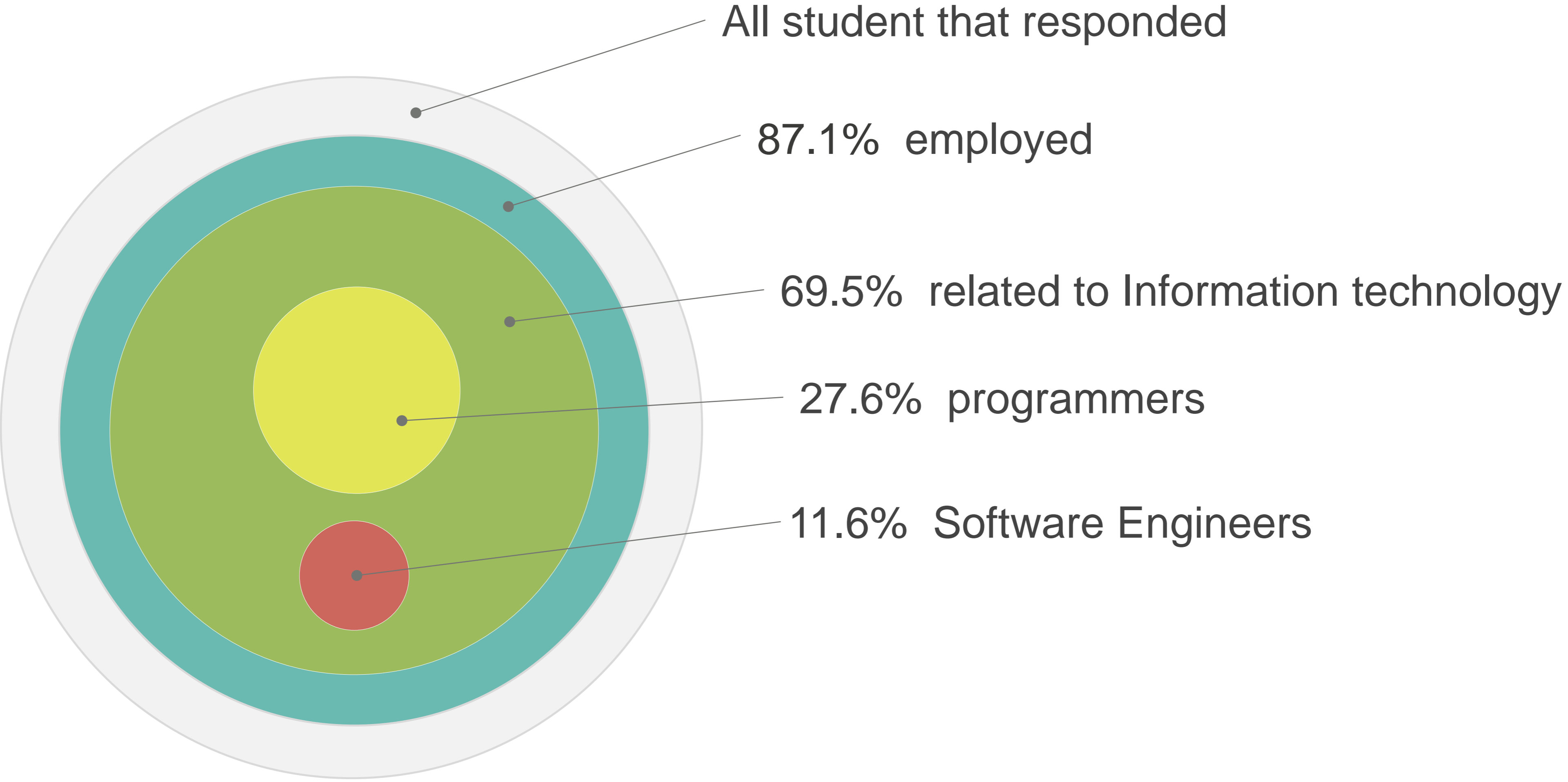
Questions
related to

- ▶ Evaluation of the university program
- ▶ Current situation in the Albanian job market about software engineering students
- ▶ Experience during university studies
- ▶ Students current job position
- ▶ Employer's requirements



Survey
results

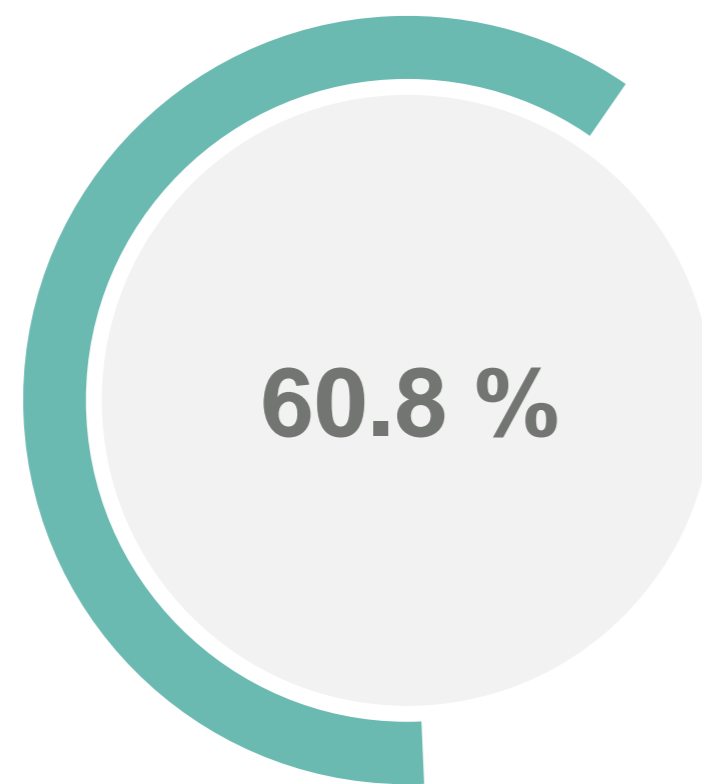
ABOUT EMPLOYMENT



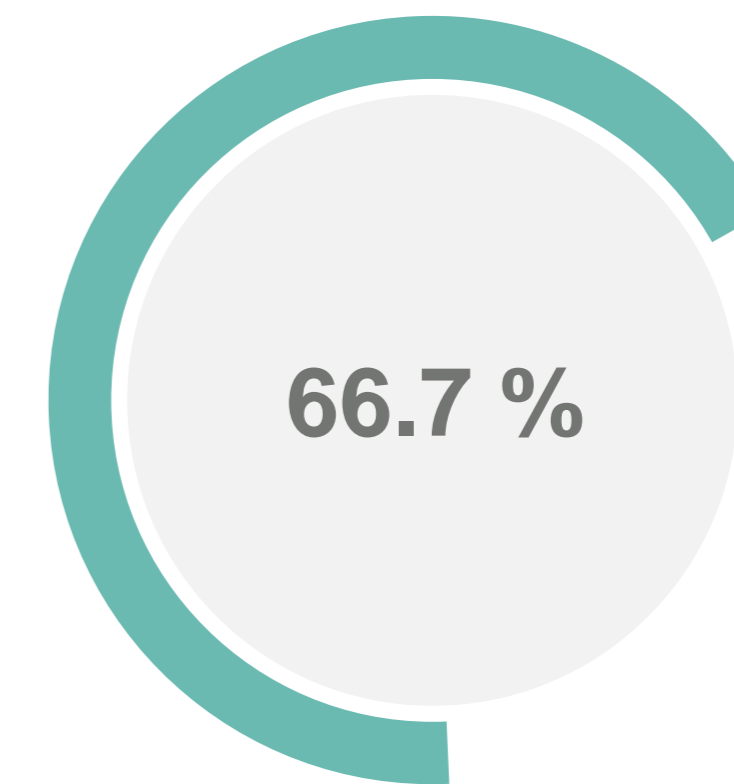
MEETING JOB REQUIREMENTS

Answer : Students are not adequately prepared and do need some training to meet company requirements for a job position related to Software Engineering .

Students



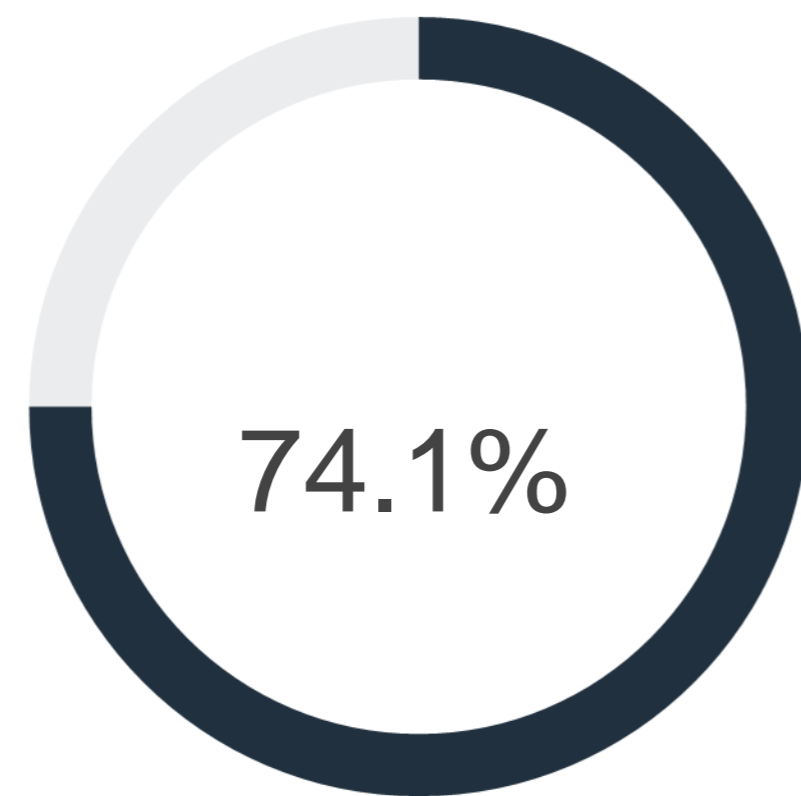
Companies



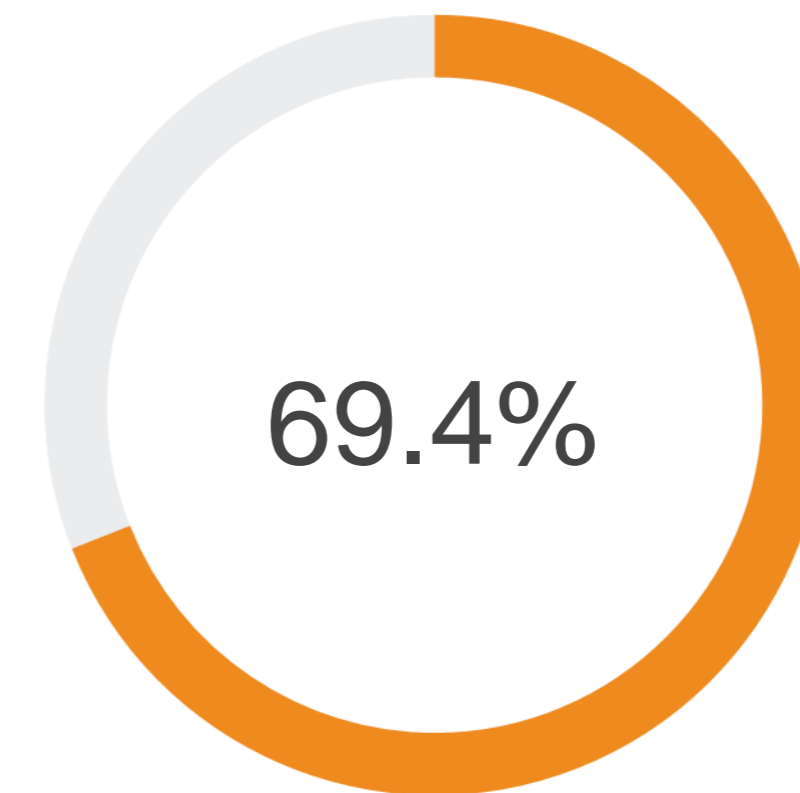
ABOUT COURSES CONTENT

VALIDITY AND ADEQUACY

STUDENTS



Add more specific software engineering subjects in bachelor and master studies



More practical work on school, real software implementations in cooperation with big companies



CONCLUSIONS

Department proposals :

- 1 New master specifically for Software Engineering .
- 2 Reorganizing bachelor courses - adjusted

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Thank you !