

DIMTV: progress so far and future planning

Steering Committee Meeting

Epoka University, Tirana
June 25, 2018



Outline

- Brief review of Epoka's involvement in DIMTV
- Analysis of the DIMTV situation in Albania
- Study visit at VSB-TU Ostrava
- Current issues and future planning
- Challenges and strategies



Epoka Uni and DIMTV

- Main objectives:
 - Develop Master's level courses in Digital Image Processing
 - Build a processing/communications teaching laboratory
 - Learn about best practices from EU partners
- Contributions:
 - Analysis of the job market
 - Very good knowledge of the Albanian private education sector
 - Experienced in Erasmus+ CBHE projects



Epoka Uni and DIMTV (2)

- We are partner P2, also referred to as *Turgut Ozal Education Sh. A.*
- The Partnership Agreement (PA) was signed on **23 Feb. 2018.**
 - Official start of the project is 15.10.2017.
- First transfer of funds: 27.03.2018 for a total of **41110,00** EUR.



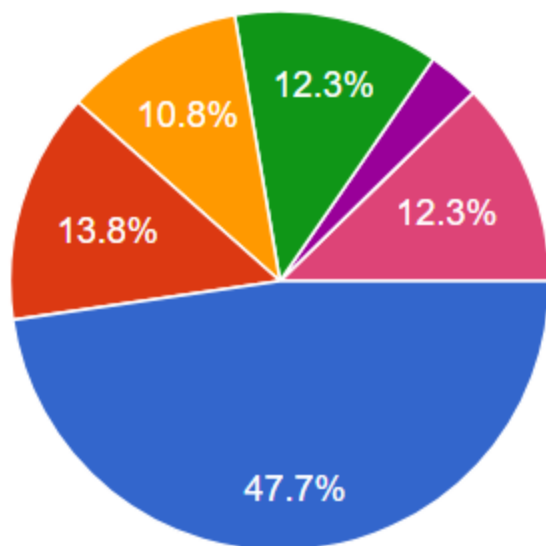
DIMTV situation in Albania

- Outcomes of the study:
 - Students are interested in hands-on type of courses
 - There are good chances for them to find a satisfying job in the sector
 - Informality affects data reliability
 - More dialogue with industry needed
- Possible actions:
 - Develop courses involving laboratory practices
 - Encourage students to search for industry internships



Survey Results (1)

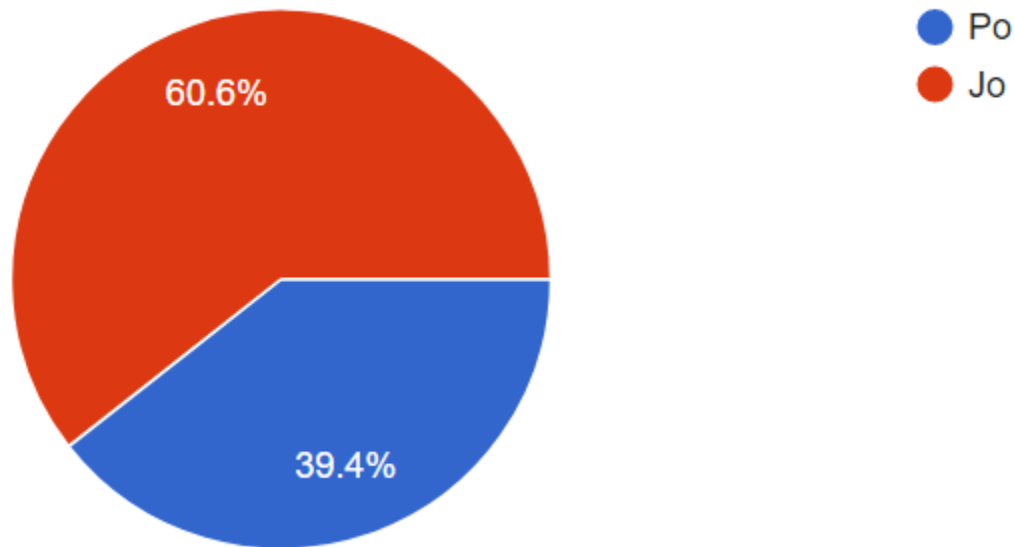
Q1: in which sector does your internship company operate?



- Akoma nuk e kam zhvilluar praktikën mësimore
- Kompani që ofron shërbime të zhvillimit software
- Kompani që ofron shërbime të lidhura me infrastrukturën e rrjetave komp...
- Kompani të telefonisë së lëvizëshme
- Kompani të transmetimeve televiziv...
- Kompani që të prodhimit të material...
- Asnjë nga këto më sipër

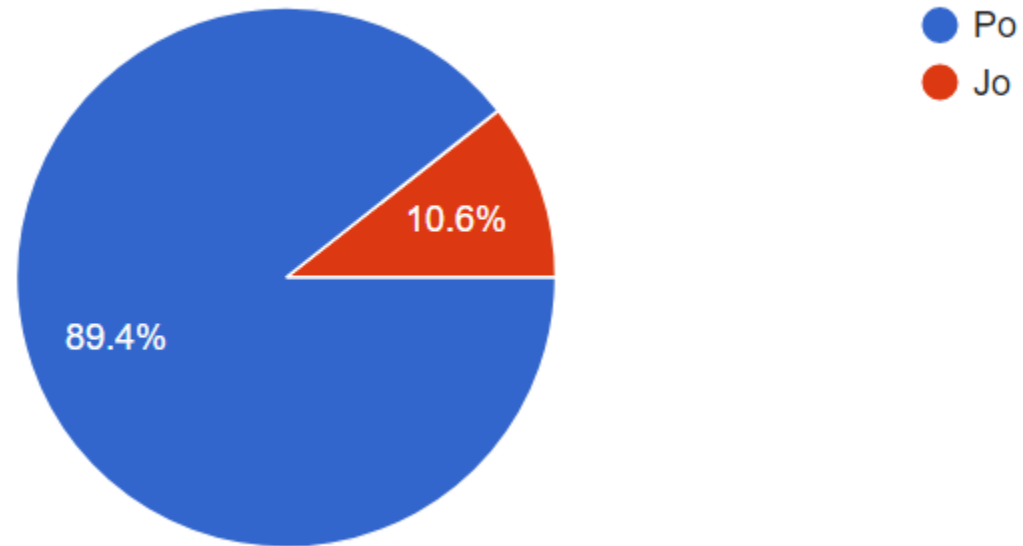
Survey Results (2)

Q2: have you taken any MDTV elective during your studies?



Survey Results (3)

Q3: do you consider MDTV courses interesting and helpful in terms of the skills required in the job market?



Study visit at VSB-TU Ostrava

- Very fruitful experience in terms of visits to laboratories and general organization of a technical university.
- Had the opportunity to get expert advice on curricula and lab practice design.
- Reviewed the equipment list to be purchased.



New equipment list

- Got the approval from our project's officer. Many thanks to Albana!!! 😊
- Why the need to change it?
 - The courses will mainly concern topics such as *Digital Image Processing* and more broadly, *Digital Signal Processing* implemented both in software and in hardware.
 - Equipment suitable for frequency domain signal visualization/investigation is much needed.
 - The proposed new equipment would allow for more engineering-oriented courses to be supported.



New equipment list (2)

Nature, type and specifications of the item	Amount Excluding VAT (EUR)
PC, double monitor: 6 pieces, 6 x 800.00 = 4,800.00	4,800.00
Spectrum analyzers: 5 pieces, 5 x 1,600.00 = 8,000.00	8,000.00
Mixed signal oscilloscopes: 5 pieces, 5 x 800.00 = 4,000.00	4,000.00
Arbitrary waveform generators: 5 pieces, 5 x 600.00 = 3,000.00	3,000.00
RF signal generator: 1 piece, 1 x 1,850.00 = 1,850.00	1,850.00
Programmable power supply: 5 pieces, 5 x 500 = 2,500.00	2,500.00
FPGA system-on-chip boards: 9 x 200.00 = 1,800.00	1,800.00
Software Defined Radio boards and antennas: 3 pieces, 3 x 650.00 = 1,950.00	1,950.00
TOTAL	27,900.00

Current activity

- Start a purchase procedure for the equipment.
- In the process of forming a group of people to work on the Image Processing module.
- Accounting needs special attention as we may be having a momentarily lack of funding for future travel and costs of stay.



Challenges

- Our priority is equipment purchase.
- Need to adopt a different strategy with respect to budget spending
 - Participation in future study visits is at risk
- Reschedule the workplan to fit the new time constraints imposed by



Thank you!



Questions?

