

# DEVELOPMENT AND IMPLEMENTATION OF MULTIMEDIA AND DIGITAL TV CURRICULA

PROJECT ACRONYM: DIMTV

PROJECT NUMBER: 586318-EPP-1-2017-1-AL-EPPKA2-CBHE-JP



# Project activities I

9 WORK  
PACKAGES



1. Preparation
2. Development (5)
3. Quality plan
4. Dissemination/exploitation
5. Management

## **UBT\_WP1\_Preparation**

-Analysis of the general MDTV current situation in Albania and Kosovo:  
Identifying problems/needs/challenges

## **VSB TUO\_WP2.1\_Development:**

- Workshop: Learning from EU expertise in MDTV area;
- Reviewing the existing MDTV curriculum;
- Defining competences and learning outcomes for bachelor MDTV program;
- Printing bachelor degree curricula.

# Project activities II

## **UT\_WP2.2\_Innovating MDTV master curricula:**

- EU Study visits;
- Innovating professional master (PM) curricula;
- Developing Image Processing Module;
- Defining competences and learning outcomes for PM
- Printing of PM curricula.

## **UL\_WP2.3\_Enriching infrastructure and teaching methodologies:**

- Training staff members on modules;
- Developing Animation Module;
- Developing Production/Post-production Module;
- Hardware/Software and Teaching material procurement;
- Staff Training for equipments;
- Preparing teaching materials and instructions.

## **UAMD\_WP2.4\_Ensure successful implementation of professional studies program:**

- Accrediting developed MDTV PM;
- Student enrolment to MDTV PM;
- Realization of MDTV PM program;
- Students' feedback on the study programs;
- Achieving academic sustainability.

# Project activities III

## **RTSH\_WP2.5\_Fostering collaboration of broadcast industry and MDTV experts:**

- Formalizing collaboration with industry partners;
- Students' internship;
- Guest lecturing with MDTV experts.

## **UP\_WP3\_Quality plan:**

- Internal quality assurance on bachelor program;
- Internal quality assurance PM program;
- External evaluation of study programmes by experts.

## **EPOKA\_WP4\_Dissemination and exploitation:**

- Web site and social network promotion;
- Preparing marketing materials;
- Promotion in the Albanian/Kosovo high schools and universities.

## **UAMD\_WP5\_Project management:**

- Steering/Project management committee meetings;
- Organizing & Coordinating project activities;
- Financial management;
- Preparation of interim and final reports.

# WORK PACKAGES

- WP1: PREPARATION
- WP2: DEVELOPMENT
- WP3: QUALITY PLAN
- WP4: DISSEMINATION & EXPLOITATION
- WP5: MANAGEMENT

WHERE ARE WE?  
WHAT HAVE WE DONE SO FAR?  
PROBLEMS?



## WP1 (REALIZED)

### ANALYSIS OF MDTV STUDY PROGRAMS IN KOSOVO/ALBANIA AND RELATED EU STUDIES

- **Analysis of the general MDTV current situation in Albania and Kosovo: Identifying problems/needs/challenges**



**Deliverable 1.1: Finished!**



# WP2 – DEVELOPMENT

## 2.1. REVIEWING AND RESTRUCTURING THE EXISTING BACHELOR MDTV CURRICULA

- **Workshop: Learning from EU expertise in MDTV area-  
done!**
- **Reviewing the existing MDTV curriculum – done!**



**Deliverable 2.1.2: in progress**

- Defining competences and learning outcomes for BSc MDTV program – *almost done..*
- Printing bachelor degree curricula – *in September 2018*

# WP2: DEVELOPMENT

## 2.1. REVISED BACHELOR MDTV CURRICULA

DIMTV Project\_EU Study Visit 2\_Tartu  
Meeting – 11-13 Sep 2018

Sem.	Type	Course	Prerequisite Course	ECTS	
I	C	Algebra		6	
	C	Physis		6	
	C	Informaics		6	
	C	Technical English		6	
	E	Introduction to Economics			6
		History of Civilization			
Academic Writing					
II	C	Mathematics I	Algebra	6	
	C	Introduction to C++ Programming		6	
	C	Basics of Electrotechniques		6	
	C	Electroacoustics		6	
	E	Introduction to Management			6
		Sociology			
Public Communication					
I	C	Mathematics II		6	
	C	Broadcasting TV Systems		6	
	C	Graphic Design		6	
	C	IT and Innovation		6	
	E	Lighting Techniques			6
		Introduction to Cloud Computing			
Introduction to Information Systems					
II	C	Basics of Animation		6	
	C	Audio Technologies		6	
	C	Computer Graphics		6	
	C	Electronic Systems	Basics of Electrotechniques	6	
	E	Sound synthesis and effects			6
		Multimedia Technologies			
Fundamentals of Telecommunication					
I	C	Computer Architecture	Electronic Systems	6	
	C	Studio and recording technology	Audio Technologies	6	
	C	Room Acoustics		6	
	C	Image Processing		6	
	E	Television and Video Production			6
		Interactive Animation (Flash)			
Web Programming I					
II	C	Computer Animation	Basics of Animation	6	
	C	Multimedia Production and Postproduction		6	
	C	Computer Networks I		6	
	C	Comprehensive Exam / Thesis		6	
	E	IPTV and Mobile TV			6
		Information and Network Security			
Programming in Java		Introduction to C++ Programming			
C		Compulsory Course			
E		Elective Course			



# WP2 – DEVELOPMENT

## 2.2. INNOVATING MDTV MASTER CURRICULA

- EU Study visits – **I. May18, Ostrava, VSB TUO: Done!**  
II. 11-13 Sep19, Tartu, UT  
III. Nov19, Ljubjana, UL
- Innovating professional master (PM) curricula- *done..*
- Developing Image Processing Module – *done..*
- Defining competences and learning outcomes for PM
- Printing of PM curricula



# PROFESSIONAL MASTER: IMAGE PROCESSING

Faculty	Program	Profile	Semester	Type	Course Name	ECTS
FACULTY OF INFORMATION TECHNOLOGY	MULTIMEDIA AND DIGITAL TV	IMAGE PROCESSING	I	C	Mathematics for Mutlimedia	6
				C	Advanced Technologies in Multimedia	6
				C	Multimedia Laboratory	6
				C	Seminar in Multimedia	6
				C	Project Management	6
			II	C	Digital Image Processing	6
				E	Biometric Systems	6
					Virtual Reality	
				E	Computer Vision	6
					Signals and Systems	
				E	Machince Learning and Applications	6
					Computational Geometry	
			C	Comprehensive Exam/Thesis	6	
<p>C - Compulsory Course E - Elective Course</p>						

# PROFESSIONAL MASTER: PRODUCTION AND POST PRODUCTION

Faculty	Program	Profile	Semester	Type	Course Name	ECTS
FACULTY OF INFORMATION TECHNOLOGY	MULTIMEDIA AND DIGITAL TV	PRODUCTION and POST PRODUCTION	I	C	Mathematics for Mutlimedia	6
				C	Advanced Technologies in Multimedia	6
				C	Multimedia Laboratory	6
				C	Seminar in Multimedia	6
				C	Project Management	6
			II	C	Film and Media Production	6
				E	Visual Effects	6
					Color Correction and Editing	
				E	Audio Editing and Mastering	6
					Audio 3D in Multimedia	
				E	Multimedia content compression, synchronisation and delivery	6
			Advanced Video Editing			
			C	Comprehensive Exam/Thesis	6	
<p>C - Compulsory Course E - Elective Course</p>						

## PROFESSIONAL MASTER: ANIMATION

Faculty	Program	Profile	Semester	Type	Course Name	ECTS
FACULTY OF INFORMATION TECHNOLOGY	MULTIMEDIA AND DIGITAL TV	ANIMATION	I	C	Mathematics for Multimedia	6
				C	Advanced Technologies in Multimedia	6
				C	Multimedia Laboratory	6
				C	Seminar in Multimedia	6
				C	Project Management	6
			II	C	Animation of Elements	6
				E	Advanced 2D Animation	6
					Stop Motion	
				E	Advanced 3D Animation	6
					Film Animation	
				E	Character Animation	6
			Visual Effects			
			C	Comprehensive Exam/Thesis	6	
C - Compulsory Course E - Elective Course						

## WP2 – DEVELOPMENT

### 2.3. ENRICHING INFRASTRUCTURE AND TEACHING METHODOLOGIES

- Training staff members on modules;
- Developing Animation Module – *done..*
- Developing Production/Post-production Module – *done..*
- Hardware/Software and Teaching material procurement – *in progress*
- Staff Training for equipments;
- Preparing teaching materials and instructions.

# WHERE ARE WE WITH EQUIPMENT PURCHASE?

## MULTIMEDIA LABS

### UAMD:

- End of July - Call for Tender opened
- Offers under evaluation..
- By the end of November- Lab inauguration

# WHERE ARE WE WITH EQUIPMENT PURCHASE?

## MULTIMEDIA LABS

- EPOKA: under evaluation – 27.900 €
- UP– under evaluation - 27.900 €
- UBT: waiting for PO approval of new list; will start soon - 27.900 €



## WP2 – DEVELOPMENT

### 2.4. Ensure successful implementation of professional studies program:

- Accrediting developed MDTV PM;
- Student enrolment to MDTV PM;
- Realization of MDTV PM program;
- Students' feedback on the study programs;
- Achieving academic sustainability.

### 2.5. Fostering collaboration of broadcast industry and MDTV experts:

- **Formalizing collaboration with industry partners ??? RTSH ?**
- Students' internship;
- Guest lecturing with MDTV experts



### WP3. Quality plan

- Internal quality assurance on bachelor program;
- Internal quality assurance PM program;
- External evaluation of study programmes by experts.

### WP4. Dissemination and exploitation

- **Web site and social network promotion – *in progress***
- **Preparing marketing materials;**
- Promotion in the Albanian/Kosovo high schools and universities – *in progress*

### WP5. Project management

- Steering/Project management committee meetings;
- Organizing & Coordinating project activities;
- Financial management;
- Preparation of interim and final reports.



5.1. KICK OFF MEETING: 9-11 JAN 2018  
2.2.1. EU STUDY VISIT I – VSB TUO 15-17 MAY18

## DELIVERABLES

- Deliverable 1.1: Analysis on the current MDTV situation in Albania and Kosovo: *end of April18*
- Deliverable 2.1.2: Restructuring the existing MDTV bachelor degree curricula at UAMD: *mid July18*



# DISSEMINATION: WEBSITE AND SOCIAL MEDIA

[www.dimtv.al](http://www.dimtv.al)

<https://www.facebook.com/dimtval/>  
[dimtval@gmail.com](mailto:dimtval@gmail.com)

[https://twitter.com/dimtval Albania](https://twitter.com/dimtval_Albania)

<https://www.linkedin.com/company/dimtv-albania/>

Press release...

<http://cen.epoka.edu.al/home-dimtv-project-2234-2279.html>

[https://twitter.com/UAMD\\_Official/status/950668984256548864](https://twitter.com/UAMD_Official/status/950668984256548864)

[http://fiek.uni-pr.edu/Lajmet/FIEK\\_Erasmus-.aspx](http://fiek.uni-pr.edu/Lajmet/FIEK_Erasmus-.aspx)



# DISSEMINATION AND EXPLOITATION: PROMOTION OF DIMTV/ICT STUDY MODULES TO KOSOVO HIGH SCHOOLS

- The teaching staff and students of Faculty of Electrical and Computer Engineering of University of Prishtina have promoted DIMTV/ICT study modules to Kosovo high schools.
- The promotion took place at high schools of main towns of Kosovo: Prishtina, Mitrovica, Vushtrri, Peja, Prizren and Gjakova.
- Industry representatives have joined promotion activities to share with high schools pupils their experience, success stories and career opportunities in the ICT/DIMTV fields.



Përpunimi digjital i imazhit

- TELEVISIONI 3D
- IPTV
- 4K, 8K, UHD

FIEK

- INSTITUCIONI I VETËM NË VEND I AKREDITUAR PËR TELEKOMUNIKACION PËR TRI NIVELET E STUDIUMIT: BACHELOR, MASTER DHE DOKTORATURË.
- 53 VJET TRADITË NË MËSIMDHËNIË, MËSIM DHE KËRKIM SHKENCORË
- ZBATON REKOMANDIMET E PROCESIT TË BOLONJES QË NGA VITI 2001
- PUBLIKIME DHE PREZANTIME NË REVISTA SHKENCORE NËDËRKOMBËTARE DHE KONFERENCA
- SHKALLA E LARTË E PUNËSUJSHMËRISE SE TË DIPLOMUARVE NGA FIEK RRETH 90%
- PROGRAME STUDIUMI TË KRAHASUESHME ME PROGRAMET STUDIUMORE TË ARSIMIT TË LARTË NË INSTITUCIONE NË EVROPE (VLERËSIMI NGA EKSPERTË NËDËRKOMBËTARE)
- BASHKËPUNIM I SHKËLQYSHËM ME INDUSTRIËN DHE UNIVERSITETET NËDËRKOMBËTARE
- BORDI INDUSTRIAL KËSHILLDËNËS
- PRAKTIKA PROFESIONALE NË KOMPANIË VENDORE DHE NËDËRKOMBËTARE - E DETYRUESHME PËR TË GJITHË STUDENTËT E DIPLOMUAR
- MUNDËSI E MOBILITETIT PËR STAFIN DHE STUDENTËT NË KUADËR TË PROJEKTEVE NËDËRKOMBËTARE

Internet of Things

- ☐ NË VITIN 2020 DO TË JENË TË LIDHURA NË INTERNET MË SHUMË SE 30 MILIARD PAJISJE.
- ☐ PAISJET DO TË KOMUNIKOJNË KUDO DHE MË CILINDRO RRJET

UNIVERSITETI I PRISHTINES  
"HASAN PRISHTINA"  
UNIVERSITY OF PRISHTINA

FAKULTETI I INZHINIERISË ELEKTRIKE DHE KOMPJUTERIKE

Programi i studimit  
Telekomunikacion

E ARDHMJLA ESHTË NË DUART TONA

DIGITAL MULTIMEDIA AND DIGITAL TV **diMTV**

- 3D ANIMACIONET
- MULTIMEDIA (ZE+VIDEO+TE DHENJA+...)
- ZHVILLIMI I APLIKACIONEVE
- BROADCAST TEKNOLOGJITE
- GRAFIKA
- IPTV

ZGJEDH LENTE/PROFILIZME TE NDRYSHME

- DIGITAL MULTIMEDIA AND TV
- SISTEME KOMUNIKUESE
- RRJETE KOMUNIKUESE
- KOMUNIKIME PA TELA

KY PREZANTIM U MUNDESA NGA PROJEKTI

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# DISSEMINATION AND EXPLOITATION:

## PROMOTION OF DIMTV IN UAMD AND ALBANIAN HIGH SCHOOLS

- UAMD internal promotion to MDTV students: 7-11 May 2018
- Promotion to high schools: *will be planned for next year; promotional posters or flyers are planned to be distributed..*



## WP5- MANAGEMENT

- Brussel's Grantholders Meeting on how to manage Erasmus + projects: 29-30 January 18
- Kick-off meeting and other project related management meetings
- All Partnership Agreements signed
- First installment transfer to all partners: realized!
- EU Study Visit I – 15-17 May 2018
- EU Study Visit II – 11-13 Sep 2018

## BUDGET SPENT SO FAR..

		Total	Date of transfer	50%
P1	UAMD	306,585		153292.5
P2	EPOKA	82220	16-Mar-18	41110
P3	RTSH	28796		14398
P4	UBT	83105		41552.5
P5	UP	82980	23-Feb-18	41490
P6	UL	75793	6-Mar-18	37896.5
P7	UT	39485	10-Apr	19742.5
P8	VSB-TUO	49277	23-Feb-18	24638.5
		<b>748241</b>		<b>374120.5</b>
			Remained:	<b>208858</b>



# MANAGEMENT: TRAVEL PLAN

Development (D)					
1. EU study visit 1	All partners	Ostrava	15	6	May'18, 15-17
2. EU study visit 2 + Final Decision on three modules	All partners	Tartu	15	7	10-14 Sep'18
3. EU study visit 3	All partners	Ljubljana	15	7	end of Nov'18
4. Staff training on modules – UL	UAMD P2, P4, P5, P6	Durres	4/4/4/ 2	6	end of Jan'19
5. Staff training on equipment	UL	Durres	3	7	end of Feb or start of March'19
6. Staff training on equipment	UL	Prishtina	2	7	end of Feb or start of March'19
7. Student Workshop	P7 organizes for P1, P2, P4, P5 students	Tartu	3/2/1/ 1	4/5?	10-15 Sept'19





# MANAGEMENT: TRAVEL PLAN

Quality Plan (QP)					
Internal quality assurance on bachelor program (P1,P2)	UAMD	Tirane	2	2	March'20
Internal quality assurance on PM (P1,P2, P4, P5)	UP	Tirane	2	2	June/July'20



# MANAGEMENT: SC MEETINGS

## A. Management (M): Steering Committee Meetings (SCMs)

SCM1: Kick off	All partners	Durres	14	3	9-11Jan'18-Done ☺
SCM2	All partners	Tirane	15	3	June'18
SCM3	All partners	Prishtine	13	6	Jan'19
SCM4	All partners	Ljubljana	15	6	June'19
SCM5	All partners	Tartu/Ost.	15	6	last week of Jan'20
SCM6	All partners	Ostr./Tartu	15	6	17 or 24 Sept'20



## CHALLENGES AND PROBLEMS

- *Limitation of the budget toward the end of the year ...*
- Opening of PM for this academic year?
- Number of students that will register the program..

# Work Plan and Activities: Year 1

Activities		Total duration (number of weeks)	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
Ref.nr/ Sub-ref nr	Title													
1.1	Analysis on the general MDTV situation	12	4X	4X	4X									
2.1.1	Workshop: Learning from EU expertise in MDTV area	8			4X	4X								
2.1.2	Reviewing the existing MDTV curriculum	12					4X	4X	4X					
2.1.3.	Defining competences and learning outcomes for bachelor MDTV program	24						4X	4X	4X	4X	4X	4X	
2.1.4.	Printing bachelor degree curricula	8											4X	4X
2.2.1.	EU Study visits	8					4	4						
2.2.2.	Innovating professional master (PM) curricula	20								4X	4X	4X	4X	4X
2.2.3.	Developing Image Processing Module	20								4X	4X	4X	4X	4X
2.2.4.	Defining competences and learning outcomes for PM	8										4X	4X	
2.3.1.	Training staff members on modules	24							4	4X	4X	4X	4	4X
2.3.2.	Developing Animation Module	20								4X	4X	4X	4X	4X
2.3.3.	Developing Production/Post-production Module	20								4X	4X	4X	4X	4X
2.3.4.	Hardware/Software and Teaching material procurement	16									4X	4X	4X	4X
2.3.5.	Staff Training for equipments	16									4X	4X	4X	4X
2.3.6.	Preparing teaching materials and instructions	16									4X	4X	4X	4X
2.4.1.	Accrediting developed MDTV PM	16									4X	4X	4X	4X
2.5.1.	Formalizing collaboration with industry partners	24							4X	4X	4X	4X	4X	4X
4.1.	Web site and social network promotion	48	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X
4.2.	Preparing marketing materials	48	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X
4.3.	Promotion in the Albanian/Kosovo high schools and universities	24							4X	4X	4X	4X	4X	4X
5.1.	Steering/Project management committee meetings	48	4X	4	4X	4X	4X	4	4X	4X	4X	4X	4X	4X
5.2.	Organizing & coordinating project activities	48	4X	4	4X	4X	4X	4	4X	4X	4X	4X	4X	4X
5.3.	Financial management	48	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X

**THANK YOU!**

