EPOKA UNIVERSITY

COMPUTER ENGINEERING DEPARTMENT ACTIVITY REPORT - 2015/2016

For submission to the Epoka University,
Faculty of Architecture and Engineering

Tirana, June 2016

Contents

1 INTRODUCTORY KNOWLEDGE, MISSION AND GOALS

1.1 GENERAL

Computer Engineering covers a wide range of engineering applications from hardware, software, networking, system administration, database managements systems, etc. Computer Engineering is distinguished as being one of the latest engineering disciplines. It is involved to all sciences, being able to take those all more forward from their current positions by computerization.

1.2 MISSION

The mission of the Department of Computer Engineering is to educate the students to gain an understanding of the fundamentals of science and engineering so that they can develop solutions to Computer Engineering problems and enhance their computing, engineering, and research skills. It is aimed to especially emphasize teamwork, independent and innovative thinking and leadership qualities. In particular, the Computer Engineering Program aims to:

- Train the students to have theoretical background in basic sciences and engineering and to be equipped with necessary technical skills,
- Provide practical experience which will enable students to utilize and enhance their engineering knowledge,
- Promote students' self-discipline and self-assurance and the ability to learn on their own,
- Encourage team work, collaboration and development of interpersonal skills,
- Motivate the students towards contributing to the progress of science and technology,
- Teach the importance of ethical behavior in social and professional life,
- Produce graduates for the engineering and the business communities who are observant, inquisitive and open to new technologies for developing better solutions,
- Produce graduates for the engineering and business communities with integrity, determination, judgment, motivation, ability and education to assume a leadership role to meet the demanding challenges of the society.
- Develop students' competency in reading, writing and oral communication,
- The vision of the Department of Computer Engineering is to be a department whose graduates are highly preferred in worldwide IT industry and to gain a leadership position in Albania and Balkans.

1.3 PROGRAM

Computer engineering program is based on three-year Bachelor Degrees. The first year of the program is mostly dedicated to the study of basic sciences and mathematics which provide the engineering fundamentals. The second and third year are mainly composed of basic engineering courses besides fundamental courses of computer engineering. Summer practice at the end of the second year and the courses at the last year aim to provide a Computer Engineering perspective to students.

Curriculum of the program includes elective courses, which give an opportunity to students to improve their professional skills according to their interests. Some courses are nontechnical and free elective courses; the remaining are computer engineering electives. The requirements for a Diploma in Computer

Engineering include the completion of minimum of 180 ECTS credits of formal course work and 30 days of approved practical training.

1.4 JOB PPORTUNITIES

In the global industry, there is a strong demand for Computer Engineers particularly those who combine technical skills with good communication skills and team-work ability. Some but not all of the job opportunities can be summarized as follows:

- Working for companies such as banks, airline industries, government departments, consulting companies, and computer organizations that run large computer based systems, and firms specifying computer equipment for a certain application,
- Implementing data communication systems and Internet technologies,
- Designing and developing hardware components and interface cards for computer systems,
- Managing and working in high level software development projects,
- Maintaining and administering distributed databases and corporate local area networks.

1.5 Educational aims and objectives

The aim is to produce graduates who have the potential to become future leaders of this profession. In their careers our graduates will,

- Work productively as Computer Engineers, including supportive and leadership roles on multidisciplinary teams,
- Communicate effectively, recognize and incorporate societal needs and constraints in their professional endeavors, and practice their profession with high regard to legal and ethical responsibilities,
- Engage in life-long learning, such as graduate study, to remain current in their profession and be leaders in our technological society.

1.6 Program outcomes

CEN Outcomes (Program Competencies) according to ABET Criterion 3

"Computer engineering program must demonstrate that their graduates have: Program Competencies-

Program Learning Outcomes	
1	an ability to apply knowledge of mathematics, probability & statistics, computer science, and engineering as it applies to the fields of computer software and hardware,
2	an ability to design and construct a hardware and software system, component, or process to meet desired needs, within realistic constraints such as economic, environmental, social, political, ethical, health & safety, manufacturability, and sustainability,
3	an ability to function on multidisciplinary teams,
4	an ability to identify, formulate, and solve hardware and software problems using computer engineering principles,

5	an understanding of professional, legal, and ethical issues and responsibilities as it pertains to computer engineering,
6	an ability to effectively communicate technical information in speech, presentation, and in writing,
7	the broad education necessary to understand the impact of computing in a global, economic, environmental, and societal context,
8	a recognition of the need for an ability to engage in lifelong learning,
9	a knowledge of contemporary issues, and
10	an ability to use the techniques, skills, and modern hardware and software tools necessary for computer engineering practice.

1.7 Department academic staff

1.7.1 **Full Time Faculty Members**

	Title	***Name Surname***
1.	Asst. Prof. Dr.	Albana Halili
2.	Asst. Prof. Dr.	Arban Uka
3.	Asst. Prof. Dr.	Endri Stoja
4.	Asst. Prof. Dr.	Elton Domnori
5.	Asst. Prof. Dr.	Ilir Çapuni
6.	Asst. Prof. Dr.	Oguz Altun
7.	MSc	Ahmet Fatih Ersoy
8.	MSc	İbrahim Mesecan
9.	MSc	Igli Hakrama
10.	MSc	Mukremin Ozkul
11.	BA	Albana Roci
12.	BA	Nertil Zhuri
13.	BA	Marsel Omeri
14.	BA	Sidrit Reka

1.7.2 **Adjunct Faculty Members**

	Title	***Name Surname***
1.	Prof. Dr.	Betim Çiço
2.	Prof. Assoc.	Indrit Enesi
3.	Prof. Assoc.	Arbana Kadriu
4.	Dr.	Blerina Zanaj
5.	Dr.	Erind Bedalli
6.	Dr.	Elvana Stepani
7.	M.Sc.	Meral Ari
8.	M.Sc.	Arian Berdellima
9.	M.Sc.	Enkleva Prifti
10.	M.Sc.	Iva Kertusha
11.	M.Sc.	Nikend Luli
12.	M.Sc.	Orges Çiço

1.8 Students

Table 1-1 Number of students at the undergraduate level (as of June, 2016)

FACULTY	DEPARTMENT	STUDENTS
Faculty of Architecture and Engineering	Computer Engineering	**224**

Table 1-2 Number of students registered at the graduate level (as of June, 2015)

FACULTY	PROGRAM	STUDENTS
Faculty of Architecture and Engineering - Department of Computer Engineering	Master of Science in Computer engineering	**41**
	Professional Master in Computer Engineering	**2**
	Total	**43**

Table 1-3 Number of Admitted Students and High School Average

2011-2012		2012-2013		2013-2014		2014-2015		2015-2016	
Students	**Average**	**Students**	**Average**	**Students**	**Average**	**Students**	**Average**	**Students**	**Average**
24	8.8	37	8.74	63	8.8	68	9.3	89	

Table 1-4 Number of Students per Each Course of Study

DEPARTMENT	**1st year**	**2nd year**	**3rd year**	**M.Sc.**	**PM**
Computer Engineering	89	51	57	41	2

2 Curricula and teaching activity

Students are accepted to 3-year bachelor education after completing their 12 years high school education. All of the course syllabuses were revised and updated according to Albanian Government regulations and ABET criterion.

2.1 Aims and objectives for study program

General

Computer Engineering covers a wide range of engineering applications from hardware, software, networking, system administration, database managements systems, etc. Computer Engineering is distinguished as being one of the latest engineering disciplines. It is involved to all sciences, being able to take those all more forward from their current positions by computerization.

Mission

The mission of the Department of Computer Engineering is to educate the students to gain an understanding of the fundamentals of science and engineering so that they can develop solutions to Computer Engineering problems and enhance their computing, engineering, and research skills. It is aimed to especially emphasize teamwork, independent and innovative thinking and leadership qualities. In particular, the Computer Engineering Program aims to:

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- Produce graduates for the engineering and business communities with integrity, determination, judgment, motivation, ability and education to assume a leadership role to meet the demanding challenges of the society.
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Computer engineering program is based on three-year Bachelor Degrees. The first year of the program is mostly dedicated to the study of basic sciences and mathematics which provide the engineering fundamentals. The second and third year are mainly composed of basic engineering courses besides fundamental courses of computer engineering. Summer practice takes place at the end of the second year. In this aspect the courses at the last year as well aim to provide a Computer Engineering perspective to students.

Curriculum of the program includes elective courses, which give an opportunity to students to improve their professional skills according to their interests. Some courses are nontechnical and free elective courses; the remaining are computer engineering electives. The requirements for a Diploma in Computer Engineering include the completion of minimum of 180 ECTS credits of formal course work and 30 days of approved practical training.

Job opportunities

In the global industry, there is a strong demand for Computer Engineers particularly those who combine technical skills with good communication skills and team-work ability. Some but not all of the job opportunities can be summarized as follows:

- Working for companies such as banks, airline industries, government departments, consulting companies, and computer organizations that run large computer based systems, and firms specifying computer equipment for a certain application,
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Aims

To produce graduates who have the potential to become future leaders of this profession. In their careers our graduates will,

- Work productively as Computer Engineers, including supportive and leadership roles on multidisciplinary teams,
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Program Outcomes

CEN Outcomes (Program Competencies) according to ABET Criterion 3

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2	an ability to design and construct a hardware and software system, component, or process to meet desired needs, within realistic constraints such as economic, environmental, social, political, ethical, health & safety, manufacturability, and sustainability,
3	an ability to function on multidisciplinary teams,
4	an ability to identify, formulate, and solve hardware and software problems using computer engineering principles,
5	an understanding of professional, legal, and ethical issues and responsibilities as it pertains to computer engineering,
6	an ability to effectively communicate technical information in speech, presentation, and in writing,
7	the broad education necessary to understand the impact of computing in a global, economic, environmental, and societal context,
8	a recognition of the need for an ability to engage in lifelong learning,
9	a knowledge of contemporary issues, and
10	an ability to use the techniques, skills, and modern hardware and software tools necessary for computer engineering practice.

2.2 Bachelor in Computer Engineering.

First Year				
First Semester				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
CEN 103	Introduction to Computer Engineering	B	Compulsory	4
CEN 111	Introduction to Algorithms & Programming	B	Compulsory	6
MTH 101	Calculus I	A	Compulsory	7
PHY 101	General Physics I	A	Compulsory	7
ENG 101	Development of R. & W. Skills In English I	E	Compulsory	6
Semestral Total				30
Second Semester				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
MTH 106	Discrete Mathematics	A	Compulsory	5
CEN 112	C & C++ Programming	B	Compulsory	7
MTH 102	Calculus II	A	Compulsory	7
PHY 102	General Physics II	A	Compulsory	6
ENG 102	Development of R. & W. Skills In English II	E	Compulsory	5
Semestral Total				30
Second Year				
Third Semester				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
CEN 213	Object Oriented Programming	B	Compulsory	5
CEN 211	Engineering Economics	C	Compulsory	5
CEN 281	Electrical & Electronic Circuits	C	Compulsory	5
MTH 201	Differential Equations	C	Compulsory	5
MTH 205	Probability and Statistics for Engineers	A	Compulsory	5
XXX xxx	Non Technical Elective	D	Elective	5
Semestral Total				30
Fourth Semester				
COURSES		**Course**	**Compulsory**	**ECTS**

Code	Course Name	Type	/Elective	
CEN 222	Web Technologies	B	Compulsory	5
CEN 252	Database Management Systems	B	Compulsory	5
CEN 282	Digital Design	B	Compulsory	5
CEN 254	Data Structures	B	Compulsory	5
MTH 204	Numerical Analysis	C	Compulsory	5
XXX xxx	Non Technical Elective	D	Elective	5
Semester Total				30

Non technical electives

COURSES		Course Type	Compulsory /Elective	ECTS
Code	**Course Name**			
BUS 103	INTRODUCTION TO BUSINESS	D	Elective	5
BUS 221	MARKETING I	D	Elective	5
FL 201	TURKISH I	D	Elective	5
FL 211	TURKISH FOR BEGINNERS I	D	Elective	5
FL 301	TURKISH III	D	Elective	5

Third Year

Fifth Semester

COURSES		Course Type	Compulsory /Elective	ECTS
Code	**Course Name**			
CEN 300	Summer Practice	E	Compulsory	5
CEN 361	Computer Networks	B	Compulsory	5
CEN 303	Analysis of Algorithms	B	Compulsory	5
CEN 323	Web Programming	B	Compulsory	5
CEN 385	Computer Organization	B	Compulsory	5
CEN xxx	Technical Elective	B	Elective	5
Semester Total				30

Sixth Semester

COURSES		Course Type	Compulsory /Elective	ECTS
Code	**Course Name**			
CEN 306	Operating Systems	B	Compulsory	7

CEN 302	Software Engineering	B	Compulsory	6
CEN 372	Artificial Intelligence	B	Compulsory	6
CEN 390	Senior Design Project (Thesis)	F	Compulsory	6
CEN xxx	Technical Elective	B	Elective	5
Semester Total				30

Technical electives

COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
CEN 304	Fundamentals of System Administration	B	Elective	5
CEN 313	Programming Languages	B	Elective	5
CEN 315	Parallel Programming	B	Elective	5
CEN 317	Simulation and Modeling	B	Elective	5
CEN 319	Introduction to Distributed Systems	B	Elective	5
CEN 344	Computer Graphics	B	Elective	5
CEN 377	Management Information Systems	B	Elective	5
CEN 378	Introduction to E-Business and E-Commerce	B	Elective	5

For more details, see the document attached "Detailed curricula BA CEN"

2.3 Master of Science in Computer Engineering

Students are accepted to Master of Science education after completing their Bachelor of Science education and must complete 120ECTS course work load with one semester thesis to get this title.

First Year				
First Semester				
COURSES				
Code	**Course Name**	**Course Type**	**Compulsory /Elective**	**ECTS**
CEN 409	Research Methods	A	Compulsory	7.5
CEN xxx	Elective	B	Compulsory	7.5
CEN xxx	Elective	B	Elective	7.5
CEN xxx	Elective	B	Elective	7.5
Semestral Total				30

Second Semester				
COURSES				
Code	**Course Name**	**Course Type**	**Compulsory /Elective**	**ECTS**
CEN xxx	Elective	A	Compulsory	7.5
CEN xxx	Elective	B	Compulsory	7.5
CEN xxx	Elective	B	Elective	7.5
CEN xxx	Elective	D	Elective	7.5
Semestral Total				30
Second Year				
Third Semester				
COURSES				
Code	**Course Name**	**Course Type**	**Compulsory /Elective**	**ECTS**
CEN 593	Graduate Project	F	Compulsory	15
CEN xxx	Elective	B	Elective	7.5
CEN xxx	Elective	B	Elective	7.5
Semestral Total				30
Fourth Semester				
COURSES				
Code	**Course Name**	**Course Type**	**Compulsory /Elective**	**ECTS**
CEN 500	Thesis	F	Compulsory	30
Semestral Total				30

Elective Courses

Based on the experience acquired in the last years and the academic staff, the department offers five different fields of studies:

1. Computational Mathematics
2. Theory of Computation
3. Data Management
4. Network & Security
5. Bioinformatics

A student, in order to acquire a general knowledge in the Computer Engineering area, needs to take at least one course from each of the mentioned fields.

For more details, see the document attached "Detailed curricula MSC CEN"

2.4 Professional Master in Computer Engineering

First Semester				
COURSES				
Code	**Course Name**	**Course Type**	**Compulsory /Elective**	**ECTS**
CEN xxx	Elective	B	Compulsory	7.5
CEN xxx	Elective	B	Elective	7.5
CEN xxx	Elective	B	Elective	7.5
CEN xxx	Elective	B	Elective	7.5
Semestral Total				30
Second Semester				
COURSES				
Code	**Course Name**	**Course Type**	**Compulsory /Elective**	**ECTS**
CEN 590	Term Project	F	Compulsory	7.5
CEN xxx	Elective	B	Elective	7.5
CEN xxx	Elective	B	Elective	7.5
CEN xxx	Elective	B	Elective	7.5
Semestral Total				30

Elective Courses

Based on the experience acquired in the last years and the academic staff, the department offers five different fields of studies:

1. Computational Mathematics
2. Theory of Computation
3. Data Management
4. Network & Security
5. Bioinformatics

A student, in order to acquire a general knowledge in the Computer Engineering area, needs to take at least one course from each of the mentioned fields.

For more details, see the document attached “Detailed curricula PM CEN”

2.5 Bachelor in Electronics and Digital Communication

First Year				
First Semester				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
CHM 101	General Chemistry	A	Compulsory	6
ECE 105	Introduction to Algorithms and Programming	B	Compulsory	4
MTH 101	Calculus I	A	Compulsory	7
PHY 101	General Physics I	A	Compulsory	7
ENG 101	Development of Reading and Writing Skills in English I	E	Compulsory	6
Semestral Total				30
Second Semester				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
MTH 106	Discrete Mathematics	C	Compulsory	5
ECE 112	C & C++ Programming	B	Compulsory	7
MTH 102	Calculus II	A	Compulsory	7
ECE 114	Basics of Electric Circuits	A	Compulsory	6
ENG 102	Development of Reading and Writing Skills in English II	E	Compulsory	5
Semestral Total				30
Second Year				
Third Semester				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
CEN 213	Object Oriented Programming	B	Compulsory	5
ECE 252	Electromagnetic Field Theory	B	Compulsory	5
ECE 221	Electronic Circuits I & Measurements and Laboratory	B	Compulsory	5
MTH 201	Differential Equations	C	Compulsory	5
MTH 203	Probability and Statistics for Engineers	A	Compulsory	5
XXX xxx	Non Technical Elective	D	Elective	5

Semester Total				30
Fourth Semester				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
CEN 222	Web Technologies	C	Compulsory	5
ECE 317	Signals and Systems	B	Compulsory	5
ECE 260	Electronic Circuits II	B	Compulsory	5
ECE 284	Logic Circuits and Laboratory	B	Compulsory	5
MTH 204	Numerical Analysis	C	Compulsory	5
XXX xxx	Non Technical Elective	D	Elective	5
Semester Total				30
Non technical electives				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
FL 201	TURKISH I	D	Elective	5
FL 211	TURKISH FOR BEGINNERS I	D	Elective	5
Third Year				
Fifth Semester				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			
ECE 300	Summer Practice	E	Compulsory	5
ECE385	Microcontrollers	B	Compulsory	5
CEN361	Computer Networks	B	Compulsory	5
ECE 341	Power Electronics	B	Compulsory	5
ECE325	Telecommunication Circuits	B	Compulsory	5
ECE xxx	Technical Elective	D	Elective	5
Semester Total				30
Sixth Semester				
COURSES		**Course Type**	**Compulsory /Elective**	**ECTS**
Code	**Course Name**			

ECE 382	Mobile Communication Systems	B	Compulsory	5
ECE 370	Television Technique	B	Compulsory	5
ECE xxx	Technical Elective	B	Elective	5
ECE xxx	Technical Elective	B	Elective	5
ECE xxx	Technical Elective	B	Elective	5
ECE 390	Senior Design Project (Thesis)	F	Compulsory	5
Semester Total				30
Technical electives				
COURSES				
Code	**Course Name**	**Course Type**	**Compulsory /Elective**	**ECTS**
ECE 311	COMMUNICATION THEORY	B	Elective	5
ECE 319	CIRCUIT THEORY	B	Elective	5
ECE 322	WEB TECHNOLOGIES	B	Elective	5
ECE 325	TELECOMMUNICATION CIRCUITS	B	Elective	5
ECE 328	MULTIMEDIA SIGNAL DISTRIBUTION	B	Elective	5
ECE 344	COMPUTER GRAPHICS	B	Elective	5
ECE 345	COMPUTER ANIMATION-II	B	Elective	5
ECE 349	DIGITAL PHOTOGRAPHY	B	Elective	5
ECE 352	ANTENNAS & PROPAGATION AND LABORATORY	B	Elective	5
ECE 354	MICROWAVES	B	Elective	5
ECE 362	INTRODUCTION TO OPTICAL FIBERS	B	Elective	5
ECE 365	DIGITAL DATA TRANSMISSION	B	Elective	5
ECE 377	DIGITAL SIGNAL PROCESSING	B	Elective	5
ECE 378	SATELLITE COMMUNICATIONS	B	Elective	5
ECE 384	MICROCONTROLLERS	B	Elective	5
ECE 386	FUNDAMENTALS OF AUDIO ENGINEERING	B	Elective	5

For more details, see the document attached “Detailed curricula BA EDCE”.

3 DEPARTMEN ACTIVITIES

3.1 Internal activities

Study camp for the Olympiad Team in Informatics of Albania

From 6th of June until the 24th of June, CEN department has organized a study camp for the Olympiad Team in Informatics of Albania. This activity was organized in collaboration with TOC. A group of academic staff of Epoka, comprising of Ilir Capuni, Arban Uka, Ibrahim Mesecan, Sidrit Reka, and our student Arnold Drita, trained the team on various topics relevant to the competitions.

BOI 2016

Our student Arnold Drita, lead the Olympiad Team of Albania in Informatics to the BOI 2016 in Cyprus.

TV Debate on ICT in Albania

On June, 2016 Dr. Ilir Capuni appeared in TV Klan's much acclaimed program Opinion of Blendi Fevziu.

Workshop participation

On May, 2016 Dr. Ilir Capuni participated on the Cancer Development and Complexity Workshop at the Lake Como School of Advanced Studies. On the 25th, he presented the work on the error-correcting rules for the nubot model that lead to massive proliferation of cells. The workshop hosts the most prominent researchers that are attacking the emperor of all the maladies with computational means.

Seminar on Alan Turin

On March 2016 Meeting with HRH Prince of Wales in the Royal Palace in Podgorica (Montenegro). Britannic ambassador in Montenegro had the pleasure to invite Dr. Ilir Capuni as a member of the group of distinguished professors and intellectuals of Montenegro to meet with HRH Prince of Wales. In a brief meeting, HRH got interested in the particular details of Capuni's construction of the fault-tolerant Turing machine and the ramifications of the solution to this problem.

ICT Awards Albania

Dr. Ilir Capuni was nominated as a jury member of the ICT Awards Albania and was nominated a co-chair of the jury. He gave an address speech at the gala night in which Epoka's students Evio Abazi and Erisa Terolli were delivered the best thesis award and female of the year respectively.

Lab and Course assistance

During October 2015 – June 2016 Mr. Ibrahim Mesecan organized the Lab and Course assistance program. 14 students from second and third year have assisted in the lab sessions and recitation hours. Students have provided assistance on CEN111, MTH101, CEN213, CEN112, ECE105, ECE112, CEN112 and PHY101. Two breakfast meetings were organized by the university to thank to the students.

Orphan house activities

During October 2015 – June 2016 Mr. Ibrahim Mesecan organized the Orphan house activities. 17 students have assisted in the courses given at Zyber Hallulli. The groups consisted of three or four students. The courses include one lesson per week students continue for 2 months. After two months the next group starts giving lesson. Mainly computer lessons have been given to the kids aging from 11 to 15. In the last period, the orphan house directorate asked also for science lessons. A dinner from the university was organized to thank to the students. Albana Roci is assisting in the event.

IMPC Group contests

During October 2015 – June 2016 Mr. Ibrahim Mesecan organized the IMPC Group contests. There were groups from three universities: Epoka University, Polytechnic University of Tirana and Antalya International University. The event included 4 contests plus one preparatory contest. Except the final contest, all contests were held online. The final contest was held at the Epoka university. The contest included two levels: Level 1: 16 groups, Level 2: 3 groups. And a total of 61 students from 19 groups have participated to the event.

One closing and certificate ceremony was organized by the university. Sidrit Reka is assisting in the event.

Problem solving competition. The competition was held among first year CEN and ECE students. Students were asked to solve programming questions in two months' time. The top 10 students have been presented programming books.

Then at the end of the year (June), the top 20 students have been given certificates according to the number of questions that they have solved.

Android workshop for girls

Together from Erisa Terolli from Google Anita Borg program and 5 students from Epoka university have given Android workshops at three schools.

COST ICT1302

Dr. Elton Domnori participated in the COST (Action 1302) annual MC member meeting organized in Marseille on February 2016. During the meeting the future activities for the COST project were discussed.

Conference on New Frontiers in Physics

On July 2015 Dr. Arban Uka participated at the 5th International Conference on New Frontiers in Physics organized in Chania, Crete, Greece. It is a conference organized by CERN.

4 Didactic activity

4.1 Course appointment

The course appointment for the Fall Semester 2015-2016 is mirrored at the attached document “Attachment 05 - Course Appointment Fall Term”.

The course appointment for the Fall Semester 2015-2016 is mirrored at the attached document “Attachment 06 - Course Appointment Spring Term”.

4.2 Teaching workload

The teaching workload for the Fall Semester 2015-2016 is mirrored at the attached document “Attachment 07 - Load Fall Term”.

The teaching workload for the Fall Semester 2015-2016 is mirrored at the attached document “Attachment 08 - Load Spring Term”.

Based on the Art. 2 on the directive "On the Teaching Load" of Epoka University:
a) The teaching load of the academic staff members of Epoka University is carried out in accordance with their labor contracts.
In cases when the teaching load is not defined by the respective contract the teaching load according to the academic and administrative duties is as follows:
Rector 3 (three)
Vice-Rector 6 (six)
Dean 6(six)
Head of Department 10 (ten),
Prof. Dr. 12 (twelve),
Assoc.Prof. Dr. 14 (fourteen), Assist. Prof. Dr. 16 (sixteen)
Lecturers 18 (eighteen), Instructors 20 (twenty)

4.3 Publications

1. Oktay Koc, **Albana Roci**, **Arban Uka,** *"Segmentation Improvement for the Poorly segmented Iris Images"*, International Conference on Engineering and Natural Science (ICENS 2016), Bosnia. ISBN: 978-605-83575-1-8
2. Oktay Koc, **Arban Uka** *"Iris Recognition Using a New Metric"*, International Conference on Electrical and Electronics Engineering (ICEEE 2016)
3. Iris Kraja, **Igli Hakrama**, *"The Self-Regulated Model Of A Closed Economy: An Agent-Based Simulation Model For Experimental Purposes"*, 7th International Conference of Information Systems and Technology Innovations, Tirana, Albania, June 2016, ISBN: 978-9928-05-199-8
4. **Igli Hakrama**, Neki Frashëri, *"Modeling an Artificial Economy with JaCaMo"*, In Proceedings of the 10th Annual South-East European Doctoral Student Conference, DSC 2015, Thessaloniki, Greece. Sept. 2015, pp.374-382. ISBN 978-960-9416-08-5, ISSN 1791-3578
5. Rexhina Blloshmi, **Igli Hakrama**, *"Analysis and Design of AIS based on REA Accounting Model*", Seventh International Scientific Conference Computer Science'2015, Durres, Albania, Sept 2015. pp. 119-125. ISBN: 978-619-167-177-9
6. Egi Agolli, **Igli Hakrama**, *"The Effective Usage of Durres Seaport Container Terminal Capacity Using an Agent-Based Modelling Approach*", 6th International Conference of Information Systems and Technology Innovations, Tirana, Albania, June 2015, ISBN: 978-9928-05-199-8
7. Erilda Duzha, **Igli Hakrama**, *"Public Transportation Simulation by using Agent-based Modelling: Case of Tirana*", 6th International Conference of Information Systems and Technology Innovations, Tirana, Albania, POSTER, June 2015, ISBN: 978-9928-05-199-8

5 Attachments

The folloing documents are attached to the report:

- Attachment 01 - Detailed curricula BA CEN.pdf
- Attachment 02 - Detailed curricula MSC CEN.pdf
- Attachment 03 - Detailed curricula PM CEN.pdf
- Attachment 04 - Detailed curricula BA ECE.pdf
- Attachment 05 - Course Appointment Fall Term.pdf
- Attachment 06 - Course Appointment Spring Term.pdf
- Attachment 07 - Load Fall Term.pdf
- Attachment 08 - Load Spring Term.pdf