WP2 Final Report

WP 2
2.4 Forth Task: Detailed definition of the model of e-learning courses.

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1   Introduction

FOODQA "Fostering Academia Industry collaboration in Food safety and Quality" project has been co-funded under the Erasmus+ Programme. The FoodQA project aims at reinforcing and structuring a Jordanian network for promoting entrepreneurship and innovation in the food area, while improving the flow of knowledge and cooperation between HEI and industry.

FoodQA addressed one of the national priorities in Jordan in providing safe food and food quality. Thus, it responds to the need for a professional and well-designed courses and facilities able to offer answers and provide solutions in the interdisciplinary approach of food industry and business. This integrates knowledge and expertise in academia on one hand and in industry on the other hand. Currently, Jordan regulatory bodies hold massive responsibilities in these fields, but still the lack of integration in between different regulatory and legislative bodies resulted in difficulties in decision making. The development of the FoodQA helped in bridging the gap between of the Jordanian governmental authorities and the industrial community. With the creation of interface Centres for food safety and food quality in Jordan, FoodQA intends to support the organisation and structure of the interfaces between Academia and Industry; making available to the food sector technical and scientific services that can contribute to the development of the industry and to strength its competitiveness in the direction of a future integration in the European Union in particularly in the area of food safety and quality.

1.1 Objectives

The purpose of WP2 was the development of training courses on different topics in the area of food safety and quality that could be used to upgrade the teachers and trainers of the partner of the FOODQA consortium: This objective will be developed by the following activities:

2.1 Definition of the educational dossiers and content for the 6 training courses.

2.2 Developments of the 6 training courses.

2.3 Validation of the training courses.

2.4 Definition of the model of e-learning courses.

2.5 Definition and validation of content of the e-learning courses.

2.6 Development of the 2 e-learning courses.

2.7 Validation of the 2 e-learning courses.

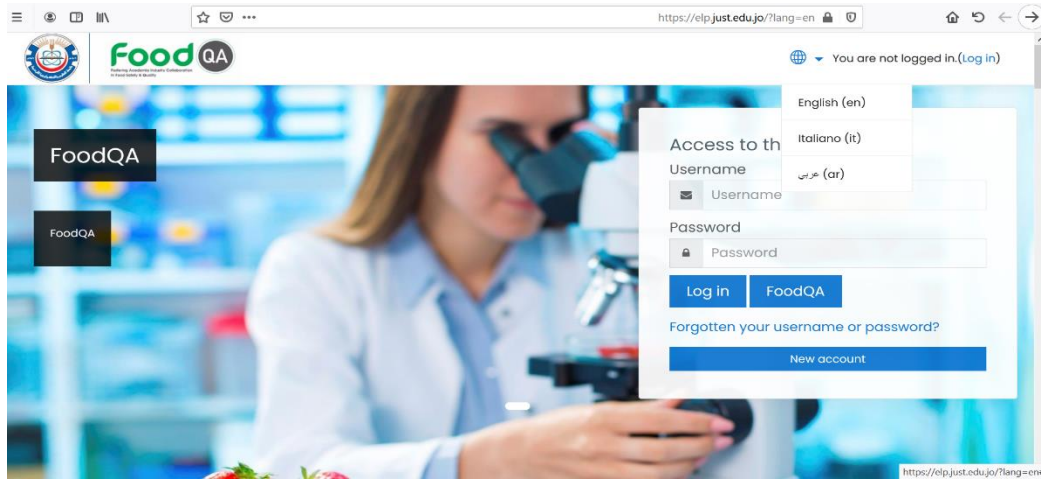2.8 installations of the e-library and e-learning.

This report focuses on the electronic platform of the FoodQA. The platform link is: https://elp.just.edu.jo ; the e-platform is offered in three languages interface.

E-learning Platform is offered in Three Languages

Inside the platform; five main categories related to each university were established there. Each time the courses are offered; following up will be from the FOODQA centre of the partner university and the certificate are requested from the project coordinator in the Foodqa JUST Centre.
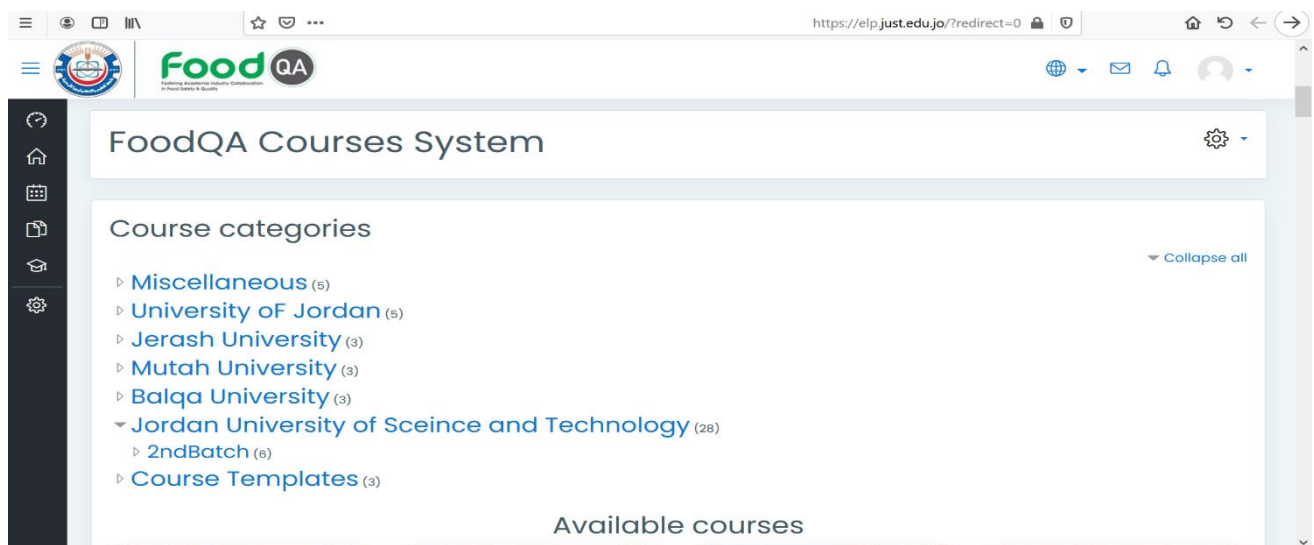
The Jordanian Universities Provided All Three Courses At least One Time.

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Recently, the online courses are optional for the students for their university workout. However, Faculty of Engineering and Faculty of Agriculture at JUST accredited the e-courses as substitutes to the practical training (Course Number CHE 490) and field trip (Course Number TG 400).

The platform provides the courses for the students in the universities and any graduate wanted to be certified in the given courses.

The platform is public needs registration from the students as users; the instructions were distributed to the target students and still exist on each FOODQA centre to make the registration process easier; and as a public guide for any user. See ANNEXI

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2   Activity 2.4: Definition of the model of e-learning courses.

2.1 Activity in Details

This activity is the fourth one of the second work package as proposed and shown in the project description. The aim of this activity is to establish special online courses using e-platform for distance learning purposes. As what was confirmed during the kick-off meeting of the project (Feb 2016); the role of the EU partners on the implementation of the training courses for the Jordan partners staff based on the specific expertise of their institutions.

As shown in the table below; the FOODQA partners agreed to upload and post the three courses online; and to certify the students who passed the prepared exams.

Training Online Courses	Responsible partner	Contribution to the definition of the contents	SYLLABUS
1. <u>Food safety management systems</u>	AUA & (P&B)	AUA/JFDA/UJ/JU/P&B	YES
2. <u>Personnel Hygiene</u>	AUA&SPLIT	SPLIT/JUST/UJ/AUA/JU	YES
3. <u>Quality management systems</u>	AUA	AUA/JUST/MUTAH/CRIT/	YES

During the project meetings held in Porto (Jan 2018) and Amman (April 2018) a Core group team made of the partners with the required expertise was set (JUST, UJ, UNITE, P&B, SPLIT, AUA) and the responsible for each e-learning course.

Each responsible of the e-learning module was asked to develop a specific syllabus of the e-learning course. This document contains all the information of the course needed for the trainee and is made available on the e-learning platform. It provides a description of the topics and subjects covered in each module and the learning outcomes expected to achieve on completion, knowledge prerequisites. Each module has to be described for workload time, contact time and reference person.

Each syllabus of the e-learning training course was developed by the reference partner. Each partner, according to the syllabus and the organisation of the module, prepared a series of presentations as Power Point presentations. For each module a series of questions for the self-assessment were asked and added.

1. Food safety management systems (P&B)

2. Quality management systems (AUA)

3. Personnel Hygiene (SPLIT)

Syllabi have been evaluated and validated by the EU partners not involved in the preparation of the e-learning modules and all the Jordan partner universities that were asked to assess their content and give feed-back

with recommendations for improvement and request for modifications and revisions were made according to the suggestion. Only after this validation, the contents of the e-learning modules were approved in project management meetings. This procedure assured that the modules could be properly developed as training material that was expected to be uploaded in the dedicated e-learning platform of JUST. For each module, besides the syllabus, a short CV of the authors of the presentations and a video presentation of the module was also prepared. Based on the syllabus, each reference partner was asked to prepare teaching and training materials to support the three e-learning courses.

1. Food safety management systems (P&B): 4 ppt presentations
2. Quality management systems (AUA): 4 ppt presentations
3. Personnel Hygiene (SPLIT): 6 ppt presentations

To sustain the e-learning platform work; the e-learning centre at JUST hosts the platform and it will supports it after the FOODQA ends.

The content of the courses was developed by some videos, presentations and examples to make the contents more interactive.
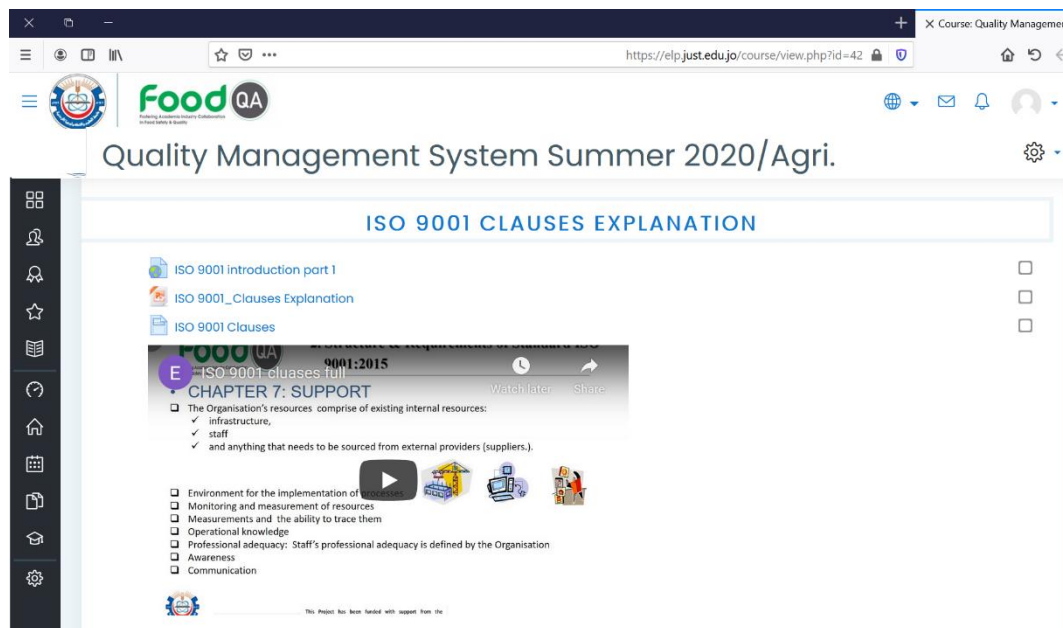
Interactive Content of the Courses

All the three e-learning courses were validated in this activity. This validation was done by the consortium as a whole in project management meetings. The Academia-industry council was invited to validate these materials.

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The final validation of each module was done by all the Jordan partner universities that were involved in pilot training sessions. Each partner countries universities tested at least n. 1 of the e-learning.

The table below shows the status of the platform courses, the times of providing these courses.

N of Course	Name of course	University	n. Students	Semester	Comments
1	GT 400, QMS	JUST	100	Summer 2020	Accredited by the Agriculture Engineering Dep. at JUST instead if the university workout
2	GT 400,FS	JUST	100	Summer 2020	Accredited by the Agriculture Engineering Dep. at JUST instead if the university workout
3	CHE490, QMS	JUST	10	Spring 2020	Accredited by the Chemical Engineering Dep. At JUST, and is choice for the students to choose the practical or the online course
4	Personnel hygiene course_2019_2020_1/2	JUST	23	Winter 2019/2020	Has been delivered for 3 students batches each one at least 18 and the maximum 28 times
5	Quality Management Systems_2019_2020_1	JUST	19	Winter 2019/2020	Is the same as the quality management system course but for different student batch
6	Quality Management Systems_2019_2020_2	JUST	28	Winter 2019/2020	Is the same as the quality management system course but for different student batch
7	Food Safety Management Systems_2019_2020_1/2	JUST	30	Winter 2019/2020	Has been delivered for 3 students batches each one at least 18 and the maximum 28 times
8	Quality Management Systems, FQ103	JUST	41	Spring 2019	The first batch ever by all Jo universities
9	PRODUCT DEVELOPMENT COMPETITION "TRADITIONAL FUNCTIONAL FOODS	All JO universities	463	Summer to Winter 2019/2020	All users here are available to access the courses they want, the students who

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				applied for the Project Competition
10	Personnel hygiene Course-BAU_2019_2020_1	BAU	62	Spring 2019 Spring 2020	The course delivered two times
11	Quality Management Systems-B☉AU	BAU	77	Spring 2019 Winter 2019/2010 Spring 2020	The course delivered three times
12	Food Safety Management Systems-BAU	BAU	67	Spring 2020 Winter 2019/2020	The course delivered two times
13	Food Safety Management Systems -UOJ	Uni of jordan	70	Spring 2020	delivered during the accredited course provided by the agriculture faculty
14	Personnel hygiene course-UOJ	Univ of jordan	85	Spring 2019 Spring 2020	delivered 2 times
15	Quality Management System-UoJ	Uni of jordan	85	Spring 2019 Spring 2020	delivered 2 times
16	Quality Management Systems(JU)	Jarash Uni	19	Spring 2019	
17	Food Safety Management Systems (JU)	JArash	20	Spring 2019 Spring 2020	delivered 2 times
18	Personnel hygiene Course-MU	MU	12	Spring 2019	
19	Food Safety Management Systems-MU	MU	6	Spring 2019	
Total by all universities (each time the course delivered for)			1317		

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The Centre of JUST host the eLearning portal (maintenance, following up, etc.), and kind of sustainability, the eLearning centre at JUST supports the electronic issues and enrolments for teachers.

The partners from UNITE as WP leader have access on the e-learning platform and checked the progress of the courses and the contents.

Developed Courses with Interactive Videos

3   Overall Conclusions

All the proposed training courses were successfully designed, developed, validated and tested. The objectives of this work-package can be successfully achieved not only because all the proposed courses were developed but, also because they were produced with a high-quality standard.

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This was recognised by all the partners that attended the training modules at the EU partner institutions and did the training by using the e-files of the e-learning modules. The e-learning courses has been delivered in very effective way, fair number of users until now. The consortium was also able to gather the human resources to design and develop all the expected deliverables of this WP.

ANNEX I

Public Student Registration Instruction

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Step 1: Go to the FoodQa E-Learning Platform link https//:.elp.just.edu.jo

Step 2: Click on "New Account" if you're new user.

Step 3: The New window needs your first and second name, username, email, password to login in the next time

Step 4: then use the following with the Surname
JUST: Jordan University of Science and Technology
JoU: University of Jordan
MU: Muta University
JU: Jarash University
BAU: Balqa'a Applied University
QMS: Quality Management System Course
FS: Food Safety Systems Course
PH: Personal Hygiene Course.

Step4: Put you first name, in the Surname and User name finish you name with your university and the course you need to attend. in case more than one course just add the privations as in the example:

Step5: Go To Your Email and Confirm your account.
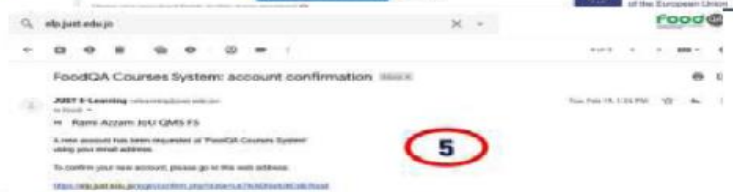
Step6: Go to the elp.just.edu.jo again and login using your username and password.

Now Enjoy Your Course