



Deliverable 20

Report and Evaluation of the Pilot Course

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Summary

This document presents the implementation and evaluation processes of the pilot courses established within the NETT Project. In particular this report describes the NETT pilot courses implemented in the project, the evaluation methods being applied and the results obtained within the pilot studies themselves, according to the general structure of the pilot course described in D19.

NETT Pilot Courses

Pilot Course implementation and evaluation

[The implementation process of the project NETT-platform in each partner country started with carrying out the pilot courses.](#) Each partner organisation had the responsibility to design and evaluate a pilot course in its own language, on its preferred subject areas and with a specific group of participant teachers, according to the plan described in D19.

The pilot courses aimed to test the NETT platform towards educational objectives and to gather users' feedback on applied methodology, educational contents and platform functionalities. The pilot courses allowed to identify experts and to start building the NETT community of teachers.

Three Pilot Courses have been organized in Italy, Bulgaria and Turkey. In the following table the distinctive features of the Pilot courses are summarized:

Cases	Duration	Number of involved participants	Proposed activities
Italian Pilot Course	4 months	32 enrolled participants	Project work Individual work
Bulgarian Pilot Course	4 months	27 enrolled participants	Project work Individual work
Turkish Pilot Course	4 months	<i>15 enrolled participants</i>	<i>Project work Individual work</i>

The objectives of the Pilot Courses (see D19 for further details) can be summarized as follows:

- To allow the teachers to acquire/ improve their **entrepreneurial skills** targeted by the NETT programme (i.e. related to Entrepreneurial Vision, Personal Development, Communication Skills, Economic Skills, Technical Skills)
- To allow the teachers to apply the acquired knowledge and skills in **project-based learning activities**, such as the collaborative Project Work included in the Pilot.
- To allow the teachers to integrate the acquired entrepreneurial skills into their own **professional career** through the Individual Work included in the Pilot.

The Pilot Courses have then been evaluated towards those three objectives by mean of evaluation of the final results accomplished by the participants with relation to the assignments been carried out:

- the project work,
- the individual work.

By mean of those assignments, participants were asked to practice specific entrepreneurial skills by applying the newly acquired notions in team project-based as well as personal learning experiences.

The evaluation of the assignments have been carried out according to the following criteria:

- task completeness,
- content suitability.

The results of the evaluation are described in the following paragraphs.

Italian Pilot Course

Pilot Course Implementation

The pilot course lead in Italian Language has been delivered **from June the 1st to September 30th 2014**.

The chosen course for the Italian pilot is "**Basic Economics**", which is in the macro category "Economic Skills" of the NETT platform. The Italian pilot course started with a Kick-Off represented by a 30 minutes videoconference meeting aimed to present course structure and goals.

After the Kick-Off each participant can access, download read and study all the provided learning materials, having the chance to discuss online the course topics with themselves, with tutors and with experts. Tutors and experts will be involved to support the participants in the community.

The **project work** consisted in a collaborative project finalized to the development of a SWOT analysis in a business management case study. Such an assignment would imply that participants need to acquire (or improve) knowledge of basic economics concept and principles and that they are able to apply them into practice.

The **individual work** consisted in the development of a personal project aiming at making each participant develop their own entrepreneurial as well as teaching initiatives on the basis of the acquired knowledge and skills. The teachers were proposed a series of questions to begin developing their own report, like for example: how will this course impact your teaching activity? And how may you re-use NETT course material for your own lessons, exercises, laboratory activities.

After the completion and the evaluation of both the project and the individual works, the pilot course ended with a 30 minutes **videoconference meeting** aimed to present the course results, key learning and next steps.

Italian Pilot Course implementation – actual schedule (June-September 2014)

- Opening videoconference **June 3**
- Autonomous activities between starting on June 3
- Check-point June 20
- Project Work starting on June 21
- Check point July 20
- Focus Point Webinar September 12
- Individual Work starting on September 15
- Check point September 20
- Closing videoconference **September 30**

The pilot course actually lasted even after the closing videoconference in order to allow the participants to complete their assignments. The final conclusion of the Pilot Course has been **November 15**.

NETT tutors have managed all the scheduled activities and facilitated the engagement and the contribution of all the participants through a variety of online and in presence meetings in order to involve the highest number of teachers possible.

Evaluation of Pilot Course Results

Teachers' involvement

The pilot course enrolled 32 participants, **23** of them started the activities and at the end of the period **12 active users** completed the course, delivering six Individual Works and three Project Works, working in groups of 2-5 people.

The main cause of abandon rate of pilot participants was due to the upcoming tasks related to their current teaching activities, since September and October are the months where in Italy schools restart after summer holidays and the teachers are involved in planning and management activities.

The Italian community of NETT teachers has widely used the forum to manage discussions whether Social NETT has been used almost exclusively as a testing space. The following picture is presenting the activity in the discussion forum.

Home

- My home
- Pagine del sito
- Il mio profilo
- Corso in uso
 - Economia Base
 - Partecipanti
 - Badge
 - Introduzione
 - Programma del corso
 - Informazioni base
 - Forum del corso pilota
 - Presentazione kick off corso pilota
 - Kick off 6 giugno
 - Primo Check Point
 - Elaborato Finale - Chat
 - Audio Video Elaborato Finale
 - Basii di Economia
 - Business Planning
 - Approfondimenti
 - Project Work
 - Lavoro Individuale
- I miei corsi

- Amministrazione
- Gestione Forum
 - Impostazioni
 - Ruoli locali
 - Autorizzazioni
 - Verifica autorizzazioni
 - Filtri
 - Log
 - Backup
 - Ripristino
 - Modalità sottoscrizione
 - Rimuovi la sottoscrizione dei forum
 - Visualizza e modifica le sottoscrizioni ai forum
- Amministrazione del corso
- Impostazioni profilo
- Amministrazione del sito

Aggiungi un argomento di discussione

Discussione	Iniziato da	Risposte	Ultimo intervento
lavoro finale	Rosangela mapelli	1	Ivano Cesareo Wed, 22 Oct 2014, 12:08
Invito a Conferenza NETT 20-22 novembre 2014	Maurizio Mesenzani	0	Maurizio Mesenzani Fri, 10 Oct 2014, 12:38
Project work	Ana Maria Solis	2	Ana Maria Solis Sun, 5 Oct 2014, 11:14
ruolo nel corso	Rosangela mapelli	3	Ivano Cesareo Mon, 29 Sep 2014, 11:37
Incontro di martedì 16	Rosangela mapelli	8	Ivano Cesareo Mon, 29 Sep 2014, 11:26
nett social	Rosangela mapelli	5	Ivano Cesareo Fri, 19 Sep 2014, 16:14
consegna lavoro di gruppo del Girasoli	Maria Aurora Mangiarotti	0	Maria Aurora Mangiarotti Fri, 19 Sep 2014, 16:39
Il gruppo Girasoli in Mahara	Maria Aurora Mangiarotti	1	Deborah Morgagni Tue, 9 Aug 2014, 10:56
lavoro di gruppo	Rosangela mapelli	3	Rosangela mapelli Fri, 25 Jul 2014, 20:22
Gruppo lavoro	Arianna Obinu	5	Lucia Caioli Tue, 15 Jul 2014, 16:17
device diversi x lettura contenuti	Rosangela mapelli	6	Ivano Cesareo Mon, 14 Jul 2014, 11:36
esempi concetto economiotta	Arianna Obinu	2	Maurizio Mesenzani Thu, 10 Jul 2014, 15:39
Lavoro di Gruppo	Ivano Cesareo	0	Ivano Cesareo Wed, 2 Jul 2014, 11:44
Business plan	maria sansone	3	Ivano Cesareo Mon, 23 Jun 2014, 11:14
bilancio e suoi elementi	Arianna Obinu	1	Ivano Cesareo Fri, 20 Jun 2014, 17:02
approfondimenti	VALENTINA D'AIETTI	1	Ivano Cesareo Fri, 20 Jun 2014, 16:44

Pilot Course Results

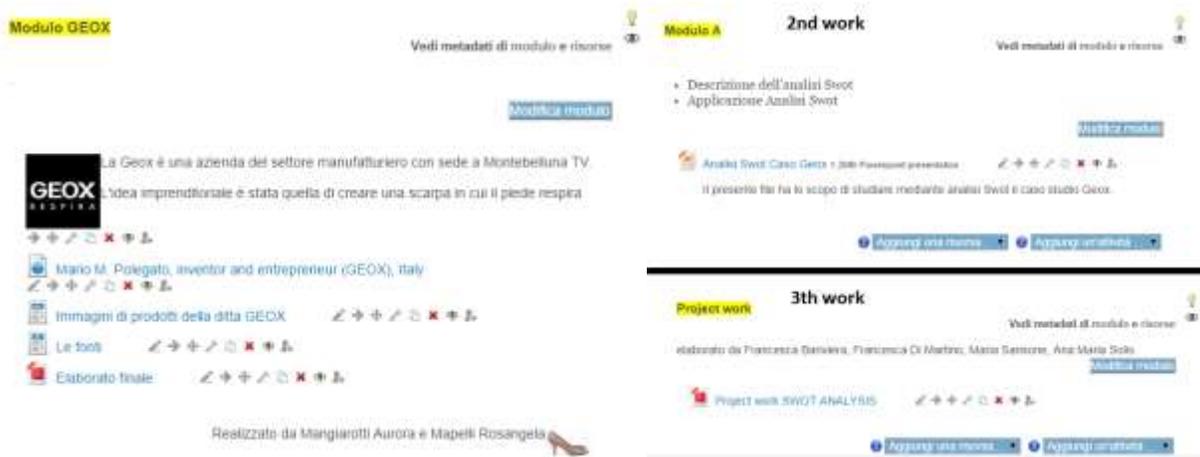
The Initial Test questionnaire was adopted to assess the entry level of the participants towards:

- participants' basic notions and principles of the course;
- participants' ability to use the platform (e.g. search, navigate, etc.)
- participants' own entrepreneurial skills and expertise

The questionnaires showed that Italian teachers had a little or poor knowledge of entrepreneurship education. Course participants had humanistic and technical backgrounds with little or no knowledge in economics.

The results obtained by the teachers during the Pilot Course need to be assessed with full understanding of what the initial test showed.

Project work activities have been designed for teachers, to become familiar with the capabilities of the platform, creating the first working groups which, from internal reports, have also taken advantage of the tools and knowledge outside the platform. The three developed project works were different, due to the background of teachers.



Main results of Project Work evaluation are described as follows.

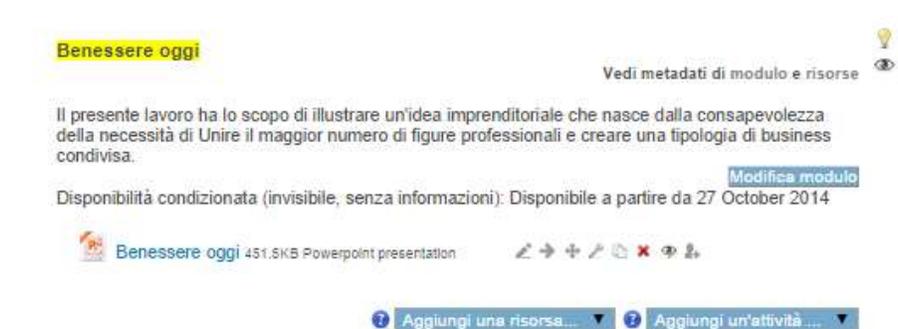
Use and adoption of the NETT platform

- Due to the collaborative nature of the assignment, the Project Work allowed to proof and validate team building support capabilities of the NETT platform;
- Teamwork implied that individual participant needed to exploit the potential of NETT platform as well as web communication and exchange tools and services, like the platform discussion forum or the Google Hangout;
- Due to the interaction required by task accomplishment, the teachers had the capacity to test the NETT platform main functionalities, especially validating how the platform supports content creation and new courses building;
- Course participants learned how to retrieve and access educational resources from the NETT platform: the Project Works that have been produced included references and contents from a variety of courses published in the platform;

Task completeness and content suitability

- The final Project Works submitted to the course tutor were evaluated as SWOT analysis coherently structured, which, in all the cases, showed full completeness towards task request and satisfying content suitability;
- The SWOT analysis were formally well structured and appropriate, not major weaknesses have been reported;
- All the Project Works were approved as formal accomplishment of the Pilot Course.

The Individual work has been based on the knowledge developed during the distance learning phase. In which it was also shown the important side of the sharing of media through metadata. Teachers have created personal materials, using materials from the NETT website and from the NETT platform, creating personal courses that are the result of their personal knowledge on how to use the NETT platform.



Main results of Individual Work evaluation are described as follows.

Use and adoption of the NETT platform

- Due to the explorative nature of the assignment, the Individual Work allowed to proof and validate cross-reference support capabilities of the NETT platform and content categorization through metadata.

Task completeness and content suitability

- The final Individual Works submitted to the course tutor were evaluated as reports coherently organized and well structured. All the works showed full completeness towards task request, satisfying content development and the ability to integrate the entrepreneurial skills and knowledge acquired (or improved) into personal business, entrepreneurial or teaching projects in a variety of different sectors.

Bulgarian Pilot Course

Pilot Course Implementation

The Bulgarian Pilot Training Course has been based on the existing “Skills for Presentation” course which was extended with additional elements and adapted to the specific requirements of the project thus, giving knowledge and skills for working in the environment of the NETT platform.

The **aims** of the course were:

- to present the functions of the NETT platform to the teachers in Entrepreneurship,
- to receive feedback from them, and
- to develop skills for creating new courses and thus, to enrich the e-learning NETT system.

According to the plan, the course started on July 2nd and finished on September 30th, 2014. The Bulgarian Pilot Course has been carried out in three phases:

First phase: Introduction of the NETT platform;

Second phase: Training on Skills for Presentation, and

Third phase: Training on Development of a New Course and its description with NETT metadata.

The entire course is based on blended learning sessions – some of the participants attended the face-to-face sessions. The other trainees, who were not able to attend the face-to-face sessions, were virtually supported by the Webinar applications.

The course activities

Individual work with the NETT platform;

Collaborative work. During the second phase, the participants were divided in few teams based on their preferences among the 5th main NETT topics: Entrepreneurial Vision, Personal Development, Communication Skills, Economic Skills, Technical Skills;

Individual work. During the third phase, the trainees worked on creating new resources for embedding into the system (teaching materials, learning materials, exercises, tests, self evaluation materials, etc.).

During the closing session of the training course a review of the new developed e-resources has been carried out with a discussion on their quality and the ways for their improvement.

Two scenarios were developed for the individual work :

- first - to explore the platform as a repository;
- second - to use it as a learning management system.

The scenarios description was presented in Bulgarian language (it is given in the figure below).



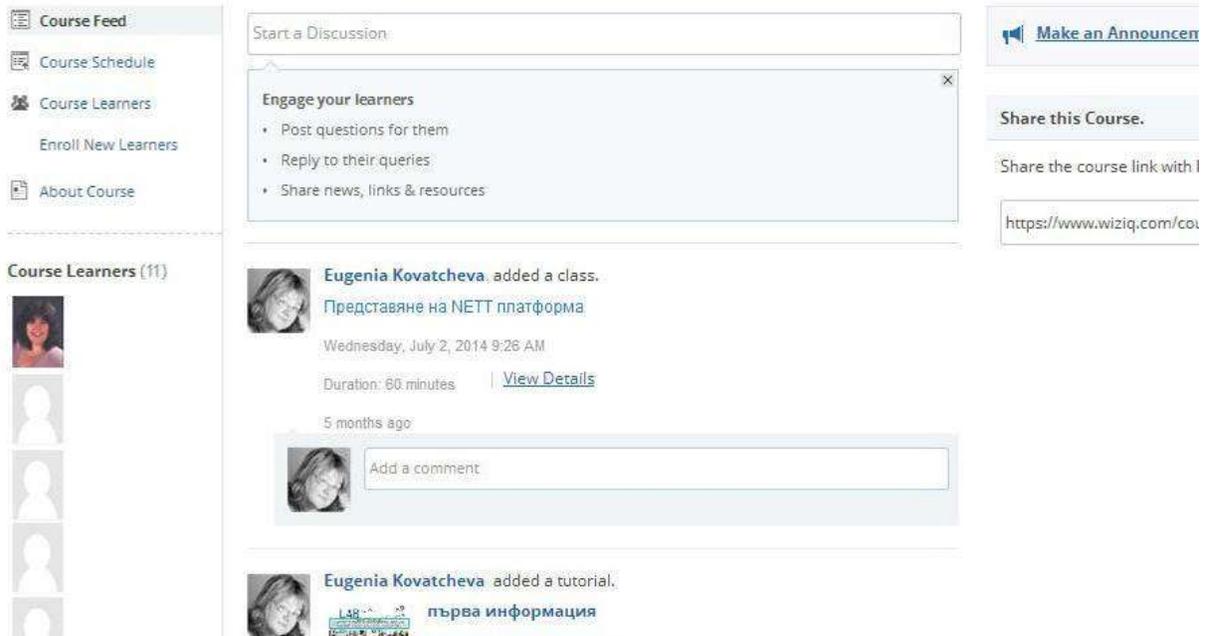
All training sessions have been guided, monitored and advised by chosen NETT experts.

Bulgarian Pilot Course Designed calendar

- July 2nd - Opening session: Introduction to the NETT system – mixed mode – Face-to-face and Webinar Participation;
- July 31st – Start of the individual work;
- July 16th - Check-point;
- July 17th – Start of the collaborative work;
- August 29th - Check point
- September 10th - Face-to-face and Webinar sessions
- September 10th - Individual Work
- September 20th - Check point
- September 30th - Closing session – face-to-face and virtual presentation with a discussion on the quality of the e-materials produced.

- Additionally, the platform was tested and evaluated by pre-service teachers (students at the university level) as a part of the Human-Computer Interaction course. The evaluation of the NETT platform was designed as an assessment task.

The beginning of the pilot course was virtual.



Actually, the closing session of the pilot course was carried out in October 30 during the *Open NETT Day*. This forum was a part of the *UNESCO International Workshop: Quality of Education and Challenges in a Digitally Networked World-QED'14*.



Moments from the Closing session

Teachers' Involvement

Totally 27 participants attended the course among which 8 pre-service and 19 in-service teachers. The platform was introduced to the teachers from the National High School in Finance and Business, Junior Achievements–Bulgaria and Knowledge, Innovation and Strategies Management Club.

Some of the participants weren't very active. It's difficult to precise the reasons for this but it's worth to draw attention to the fact that the course was carried out during the summer period with very hot weather.

Similar to the Italian course Bulgarian participants have mainly used the internet forums for doing discussions on the course subject and content.

Pilot Results

Use and adoption of the NETT platform

- The Bulgarian teachers were familiar with the learning management system MOODLE –the basis of the NETT platform and they proofed and validated the new capabilities of the NETT platform – as a repository and introduced metadata.
- The important for them was to understand the categorisation of the platform and description of preliminary knowledge level and outcomes.

Task completeness and content suitability

Actually, the training was held separately for the two groups of teachers: first, with in-service teachers in July-September 2014 and second, with pre-service teachers – in October 2014.

- In-service teachers worked on the development of their own courses according to the two scenarios. The most important for them was to become familiar with the metadata.
- Pre-service teachers shared their opinions on the Forum tool of the learning platform for the Human-Computer Interaction course attended (in Bulgarian Language below). The proof of user-friendly platform was approved. The students shared that they have had some minor problems with the drop-down metadata menus. The problem appears with the Cyrillic elements in the NETT repository. The elements described in Bulgarian languages were not recognisable. This is in fact an encoding problem and it can easily be overcome.

.NETT		КНР-45 Илиан Кочуков	0	0	КНР-45 Илиан Кочуков Wed, 18 Feb 2015, 1:58 AM
платформата NETT		КНР-39 Биляна Славкова	0	0	КНР-39 Биляна Славкова Tue, 17 Feb 2015, 11:20 PM
Тестване на платформата NETT.		КНР-46 Петър Спасов	0	0	КНР-46 Петър Спасов Tue, 17 Feb 2015, 10:02 PM
Задание 1		КНР-24 Георги Матрачийски	0	0	КНР-24 Георги Матрачийски Tue, 28 Oct 2014, 2:46 PM
Nett Платформа		КНР-23 Маруся Тодорова	0	0	КНР-23 Маруся Тодорова Thu, 16 Oct 2014, 10:10 AM
NETT platform		КНР-43 Ивелин Дочев	0	0	КНР-43 Ивелин Дочев Wed, 15 Oct 2014, 2:48 PM
Задание 1		КНР-22 Мирослав Ваклинов	0	0	КНР-22 Мирослав Ваклинов Wed, 8 Oct 2014, 6:19 PM

- [Edit settings](#)
- [Locally assigned roles](#)
- [Permissions](#)
- [Check permissions](#)
- [Filters](#)
- [Logs](#)
- [Backup](#)
- [Restore](#)
- [Subscription mode](#)
- [Unsubscribe from this forum](#)
- [Show/edit current subscribers](#)
- [Don't track unread posts](#)

Display replies in nested form ▾
Move this discussion to ... ▾ | Move

Тестване на платформата NETT.

by [DIP-46 Петър Стоко](#) - Tuesday, 17 February 2016, 10:02 PM

1. Регистрирайте се в платформата
 Проблеми :
 - няма проверка дали e-mail-а е валиден - регистрирах се с e-mail завършващ на gmail.com и въпреки това регистрацията беше успешна.
2. Създайте курс в областта Технически умения
 Проблеми :
 Бутонът "Създай курс" е най-долу на страниците, съответно не е видим при наклонето положение на повечето страници, може да бъде скрит в главната навигация(все пак нали това е главната идея на платформата).
3. След като влезете в курса имате 2 варианта
 3.1 от добавя курс чрез метаданни:
 Харесва ми че макар и с drop-дауни изборът не е ограничен до една опция, което обаче създава проблем при полетата където е логично има само една опция
 Добавянето на данни по такъв начин е добро на концептуално ниво, но е зле изпълнена макар и на избран език Български формата за добавяне на информация е на Английски третият ред полета се виждат само наполовина при въведени "keywords" при създаване на курса - при добавяне на метаданни ендочегга се бърва.
- 3.2 второто е директно да добавяте материали :
 тук няма проблеми които да не притесняват
 харесва ми възможността за drag&drop качване на файлове

[Edit](#) | [Delete](#) | [Reply](#)

Messages ▾ ▹

Turkish Pilot Course

Pilot Course Implementation

The pilot course in Turkish has been delivered from June 23rd to August 29th 2014.

The chosen course for the Turkish pilot was "Basic Economics", which is in the macro category "Economic Skills" of the NETT platform.

The Turkish pilot course started with a **face to face meeting** with a representation of the NETT project, platform and the structure and the aim of the course. This first session was 40 minutes long.

After this first lesson, each participant has been made able to access, download, read and study all the provided learning materials, having the chance to discuss online the course topics with other participants, tutors and experts.

There has been a joint **project work** towards the end of the course which participants analysed a business success story using SWOT analysis.

Each participant did an **individual work** in which they produced a paper presenting their ideas for future application of the course in their teaching activities. In this paper they will present how this platform can be used, how it can affect their teaching style and how can they use course materials in their teaching.

The pilot course ended with a 30 minutes **closing lesson** aimed to present course results, key learnings and next steps.

Turkish Pilot Course Designed calendar

- Opening lesson June 23rd
- Autonomous activities starts on June 24
- Check-point July 18
- Project Work starts on July 21
- Check point July 20
- Individual Work starts on August 1
- Check point August 15
- Closing lesson August 29

In order to meet educational needs of teachers after summer holiday, duration of the pilot course had extended until the end of November.

Involvement

Total 15 participants enrolled to the Turkish pilot course, 14 of them started the activities and at the end of the period 6 active users completed the course, delivering six individual works and three Project Works.

The screenshot displays a course management interface for 'Temel Ekonomi'. The main content area shows a list of 16 participants. The table below summarizes the data from the screenshot.

Select	User picture	First name / Surname	Email address	City/town	Country	Last access
<input type="checkbox"/>		Guldan Kalem	guldankalem@gmail.com	izmir	Turkey	1 sec
<input type="checkbox"/>		Emin Bakay	eminbakay@gmail.com	İzmir/Menderes	Turkey	65 days
<input type="checkbox"/>		selçuk sancar	selcuksancar@yahoo.com	izmir	Turkey	72 days 1 hour
<input type="checkbox"/>		gülşen murat taşyürek	guldesen@hotmail.com	izmir	Turkey	96 days 18 hours
<input type="checkbox"/>		zeki konar	zekikonar@hotmail.com	izmir	Turkey	96 days 18 hours
<input type="checkbox"/>		fulya çamlıbel	ffulyacamlibel@gmail.com	izmir	Turkey	96 days 20 hours
<input type="checkbox"/>		Nursal Pasaoğlu	nursalpasa@gmail.com	İzmir	Turkey	97 days 23 hours
<input type="checkbox"/>		Ünsal Çetin	cetunusal@hotmail.com	İzmir	Turkey	101 days 5 hours
<input type="checkbox"/>		Yucel Kalem	kalemguldan@gmail.com	izmir	Turkey	102 days 1 hour
<input type="checkbox"/>		Gürkan Kuşçi	gurkankupsi@gmail.com	izmir	Turkey	103 days 22 hours
<input type="checkbox"/>		ALPER KALENDER	akalender@aci.k12.tr	izmir	Turkey	103 days 22 hours
<input type="checkbox"/>		EVİRİM AYDAR	ekaraqkus1311@hotmail.com	İZMİR	Turkey	106 days 21 hours
<input type="checkbox"/>		Melik maraba	mmaraba@aci.k12.tr	İzmir	Turkey	107 days 3 hours
<input type="checkbox"/>		sultan saygı	happyandcute007@hotmail.com	izmir	Turkey	Never
<input type="checkbox"/>		Gürkan Kuşçi	gkupsi@aci.k12.tr	İzmir	Turkey	Never
<input type="checkbox"/>		Bahri Yılmazyıldız	bahriyilmazyildiz@hotmail.com	İzmir	Turkey	Never

Some of the participants did not actively participated into the course or completely quitted because of the intensity of their teaching responsibilities during the first weeks of the school period.

Similar to the Italian course participants, Turkish participants have also used mainly forums to do discussions about the course subject.

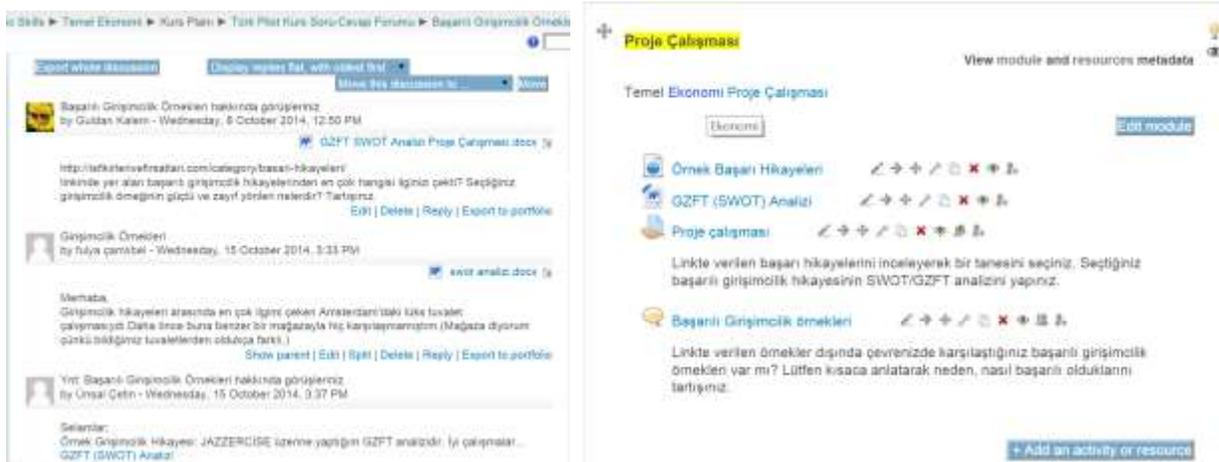
Pilot Results

During the first face-to-face meeting participants were orally assessed regarding their knowledge about the course subject, their own entrepreneurial skills and expertise

and their ability to use computer. In general, all of the participants had basic computer skills to use NETT platform. However, they had limited or poor knowledge of entrepreneurship education. Participants had different backgrounds such as humanities, science, management, etc.

Turkish Pilot course designed for participants to get to know to platform and its capabilities, to participate in forums and perform assigned tasks.

There was a Q&A forum for participants to discuss the course subject and platform issues and a project work as final assignment designed for participants to present their SWOT analysis of the chosen entrepreneurship idea.



Main results of Pilot Course and Project Work evaluation are described below:

Use and adoption of the NETT platform

- Course participants learned how to search and access to the educational resources,
- Course participants used forum function to ask & answer questions and discuss course topics,
- Course participants learned how to upload and download document and used these functions to complete course assignment.

Task completeness and content suitability

- As a final Project Work participants submitted their SWOT analysis to the course tutor. The answers were coherently structured, which, in all the cases, showed full completeness towards task request and satisfying content suitability;
- The SWOT analyses were formally well structured and appropriate, not major weaknesses have been reported;
- All submitted project works were accepted as formal accomplishment of the Pilot Course.

