



Co-funded by the
Erasmus+ Programme
of the European Union

IN2RURAL. INNOVATIVE PRACTICES IN RENEWABLE ENERGIES TO IMPROVE RURAL EMPLOYABILITY

Agreement number: 2014-1-ES01-KA203-004740

REPORT

ON

'TECHNICAL ENGLISH FOR RENEWABLE ENERGY' ONLINE COURSE

IO6: Open Educational Resources for online course of technical English for renewable energy
IO8: Open on-line course of technical English for renewable energy

Compiled by
Rozália Szabó, Adrienn Juhászné Füleki
KRF
2016



GEOLIN

GENERAL ELECTRIC

Table of contents

1. <i>General information</i>	3
2. <i>Intellectual outputs</i>	3
3. <i>Professional profile of English tutor</i>	4
4. <i>Participants of ‘Technical English for Renewable Energy’ online course</i>	5
5. <i>Contents</i>	6
6. <i>Learning resources</i>	6
7. <i>Annexes</i>	7
Annex 1: Participation in the online course 'Technical English for Renewable Energy'.....	7
Annex 2: Certificates – Sample	9
Annex 3: Questionnaire for students’ assessment of in2rural lecturers’ teaching activity.....	11
Annex 4: Results of ‘Questionnaire for students’ assessment of in2rural lecturers’ teaching activity’	12

1. General information

Title of course: Technical English for Renewable Energy
Dates: 1 February – 1 March, 2016
Website: in2rural.karolyrobert.hu
Objective: to improve the participants' English skills, in particular to widen their technical vocabulary in the field of renewable energies, in order to prepare them for the subsequent online course.

2. Intellectual outputs

Output Identification: O6

Output Title: Open Educational Resources for online course of technical English for renewable energy

Output Type: Learning/teaching/training material

Output Description:

The learning material aimed to collect relevant information for an online course aiming to enhance the English language skills of the participants in the project. The learning material was developed not only for the students, but also for the rest of participants in the project interested in improving their linguistic key competences (HEI, SME, collaborators, etc).

Languages: English

Media(s): Publications

Activity Code: O6-A1

Project Phase: Implementation

Title: Learning material of online course of technical English for renewable energy

Description: Elaboration of learning material including English technical vocabulary and English technical glossary relevant for renewable energy

Tasks and role of each organization: KRF led this activity

Estimated Start Date (dd-mm-yyyy): 01/09/2015

Estimated End Date (dd-mm-yyyy): 01/12/2015

Activity Leading Organization: KRF

Participating Organizations: UJI, UB

Output Identification: O8

Output Title: Open on-line course of technical English for renewable energy

Output Type: Open on-line course

Output Description:

The learning materials of on-line course of technical English for renewable energy that were generated in the Output 6 were integrated in the virtual learning platform together with the learning methodology, assessment activities and different available ICT tools to improve the virtual collaboration spaces.

The course was open to both students/recent graduates and personnel from the participant HEIs and enterprises. The on-line course was run along the project with personalized assessment and supervision to the enrolled students. Additionally, the generated material was also of open access for other interested people.

Languages: English

Media(s): Website/Publication

Activity Code: O8-A1

Project Phase: Implementation

Title: Activation and preparation of virtual learning platform for technical English for renewable energy online course

Description: Activation and preparation of virtual learning platform for technical English for renewable energy online course

Tasks and role of each organization: KRF led this activity

Estimated Start Date (dd-mm-yyyy): 01/11/2015

Estimated End Date (dd-mm-yyyy): 01/12/2015

Activity Leading Organization: KRF

Participating Organizations: UJI, UB

Activity Code: O8-A2

Project Phase: Implementation

Title: Design of learning methodology and assessment activities of technical English for renewable energy online course

Description: Apart from the on-line study material, the course integrated tutorials, assignments and several communication features: discussion forums, online tutorial sessions with lecturer, multiple video-conference sessions etc. The assessment activities were organized combining active participation in the forums, online quizzes and real life case where students can apply their acquired knowledge practically.

Tasks and role of each organization: KRF led this activity, and UB and UJI also gave support

Estimated Start Date (dd-mm-yyyy): 01/12/2015

Estimated End Date (dd-mm-yyyy): 01/02/2016

Activity Leading Organization: KRF

Participating Organizations: UB, UJI

Activity Code: O8-A3

Project Phase: Implementation

Title: Running online course of technical English for renewable energy online course

Description: The maximum number of enrolled people in the online course was limited to 30 persons. A flexible learning was planned during the development of the course, trying to adapt to the time availability of the attendant. Thus, a learning time was estimated to be about 3 hours per week, during the four weeks of course duration. Successful completion of the course required the participants to achieve a minimum score and entitled them to a course certificate. A recognition of 0.5 ECTS was proposed for participants with a certificate of this course.

Tasks and role of each organization: KRF led this activity

Estimated Start Date (dd-mm-yyyy): 01/02/2016

Estimated End Date (dd-mm-yyyy): 01/03/2016

Activity Leading Organization: KRF

Participating Organizations: UJI, UB

3. Professional profile of English tutor

Ms Rozália Szabó has been an EFL teacher at Károly Róbert College (KRF), Gyöngyös, Hungary since 1994. She graduated from Kossuth Lajos University (legal predecessor of Debrecen University) with a master's degree in Russian and English Language and Literature in 1994. She also holds a bachelor's degree in International Marketing.

Her main activities focus on teaching English for specific purposes, mainly Business English and Tourism English. She has also taught courses in Services Marketing, Wine Marketing as well as Tourism Marketing and Communication. She is an accredited examiner of one international and five Hungarian language testing centres.

4. Participants of ‘Technical English for Renewable Energy’ online course

Surname	First name	Country	Institution	Degree Programme
Alegre Balaguer	Santiago	Spain	UJI	Industrial Technology Engineering
Arenós Arenós	Aida	Spain	UJI	Agrifood and Rural Engineering
Ballester Casino	Ignacio	Spain	UJI	Industrial Technology Engineering
Balog	Vivien	Hungary	KRF	BSc in Business Information Technology
Bucur	Cosmin Constantin	Romania	UB	Economic engineering in the mechanical domain
Castelló Mollar	Javier	Spain	UJI	Agrifood and Rural Engineering
Chirila	Mihail	Romania	UB	Industrial Power Engineering
Comanescu	Mihai Cristian	Romania	UB	Economic engineering in the mechanical domain
Dogaru	Adrian Stefan	Romania	UB	Industrial Power Engineering
Ducza	Márton	Hungary	KRF	BSc in Agrobusiness and Rural Development Engineering
Fischer	Ádám	Hungary	KRF	BSc in Agrobusiness and Rural Development Engineering
García Cervelló	Aitor	Spain	UJI	Agrifood and Rural Engineering
Hermoso Mañes	Sergio	Spain	UJI	Agrifood and Rural Engineering
Hoboli	László	Hungary	KRF	BSc in Agricultural Engineering in Environmental Management
Iftime	Silviu Aurelian	Romania	UB	Industrial Power Engineering
Korcz	Benjámín	Hungary	KRF	BSc in Agrobusiness and Rural Development Engineering
Kotoláciova	Kinga	Hungary	KRF	BSc in Viticulture and Oenology Engineering
Lénárt	Dóra	Hungary	KRF	BSc in Agricultural Engineering in Environmental Management
Mallen Gil	Cristina	Spain	UJI	Industrial Technology Engineering
Mallen Gil	Jorge	Spain	UJI	Industrial Technology Engineering
Marin	Catalin Ioan	Romania	UB	Industrial Power Engineering
Mindru	Diana Cristina	Romania	UB	Industrial Power Engineering
Mouhanna	Atena Georgiana	Romania	UB	Economic engineering in the mechanical domain
Okos	Dóra	Hungary	KRF	BSc in Viticulture and Oenology Engineering
Olmos Plumed	Carlos Jose	Spain	UJI	Industrial Technology Engineering
Segura Rodríguez	Iván	Spain	UJI	Industrial Technology Engineering
Timosenco	Ioana Marina	Romania	UB	Industrial Power Engineering
Varga	Renáta	Hungary	KRF	BSc in Agrobusiness and Rural Development Engineering
Vidan Falomir	Francisco	Spain	UJI	Industrial Technology Engineering
Zediu	Corneliu	Romania	UB	Economic engineering in the mechanical domain

5. Contents

The 'Technical English for Renewable Energy' online course contains the following parts:

SECTION 1	Renewable energy and rural development	Units 1, 2 and 3
SECTION 2	Photovoltaic energy	Units 4, 5 and 6
SECTION 3	Biomass	Units 7, 8 and 9
SECTION 4	Wind energy	Units 10, 11 and 12

6. Learning resources

The resources used in the course include:

- Tools to facilitate the student participation.
 - o Presentation video, with the video script in pdf format
 - o Forum
 - o Online tutorial sessions
 - o Glossary (available in web format and in a printed friendly version).
- Contents of the course with 12 units composed of pdf and quizzes. The contents have been organized in:
 - o Renewable energy and rural development
 - o Photovoltaic energy
 - o Biomass
 - o Wind energy
- Questionnaire for students' assessment of In2rural lecturers' teaching activity

Promoting the open access to the material, they can be found in:

- Universitat Jaume I repository (pdf)
<http://repositori.uji.es/xmlui/handle/10234/154485>
- IN2RURAL YouTube channel (videos)
https://www.youtube.com/playlist?list=PLg4VBgL4sO8_XhDDm1ogsqfDNwqwZMnrk

7. Annexes

Annex 1: Participation in the online course 'Technical English for Renewable Energy'

Surname	First name	% of quizzes (out of 12) with scores above 60%	Average of 12 quizzes (70% of total score)	Forum participation (30% of total score)	Total score	Result
Alegre Balaguer	Santiago	100.00%	89.04 %	100.00%	92.33%	Excellent
Arenós Arenós	Aida	100.00%	97.61 %	100.00%	98.33%	Excellent
Ballester Casino	Ignacio	100.00%	94.11 %	92.30%	93.57%	Excellent
Balog	Vivien	100.00%	99.45 %	100.00%	99.62%	Excellent
Bucur	Cosmin Constantin	100.00%	98.43 %	92.30%	96.59%	Excellent
Castelló Mollar	Javier	100.00%	94.57 %	100.00%	96.20%	Excellent
Chirila	Mihail	100.00%	95.86 %	84.62%	90.18%	Excellent
Comanescu	Mihai Cristian	100.00%	96.22 %	100.00%	97.35%	Excellent
Dogaru	Adrian Stefan	100.00%	94.84 %	92.30%	94.08%	Excellent
Ducza	Márton	100.00%	84.81 %	84.62%	84.76%	Excellent
Fischer	Ádám	100.00%	85.64 %	84.62%	85.34%	Excellent
García Cervelló	Aitor	100.00%	87.94 %	92.30%	89.25%	Excellent
Hermoso Mañes	Sergio	100.00%	83.33 %	100.00%	88.33%	Excellent
Hoboli	László	100.00%	80.66 %	84.62%	81.85%	Excellent
Iftime	Silviu Aurelian	100.00%	95.58 %	100.00%	96.91%	Excellent
Korcz	Benjámín	100.00%	87.75 %	84.62%	86.82%	Excellent
Kotoláciová	Kinga	100.00%	93.83 %	84.62%	91.07%	Excellent
Lénárt	Dóra	100.00%	92.34 %	84.62%	90.03%	Excellent
Mallen Gil	Cristina	100.00%	92.82 %	100.00%	94.97%	Excellent
Mallen Gil	Jorge	100.00%	92.27 %	100.00%	94.59%	Excellent
Marin	Catalin Ioan	100.00%	96.04 %	100.00%	97.23%	Excellent
Mindru	Diana Cristina	100.00%	99.08 %	100.00%	99.36%	Excellent
Mouhanna	Atena	100.00%	96.32 %	100.00%	97.42%	Excellent

	Georgiana					
Okos	Dóra	100.00%	83.98 %	92.30%	86.48%	Excellent
Olmos Plumed	Carlos Jose	100.00%	85.47	100%	89.83%	Excellent
Segura Rodríguez	Iván	100.00%	97.24 %	100.00%	98.07%	Excellent
Timosenco	Ioana Marina	100.00%	97.24 %	100.00%	98.07%	Excellent
Varga	Renáta	100.00%	89.55 %	100.00%	92.68%	Excellent
Vidan Falomir	Francisco	100.00%	87.85 %	100.00%	91.50%	Excellent
Zediu	Corneliu	100.00%	93.09 %	92.30%	92.85%	Excellent

The participants could obtain the certificate by meeting the following requirements:

- They participated in at least 80% of the debates proposed in the Forum;
- They achieved at least 60% of the total score in the quizzes.

The total score was calculated on the basis of the average percentage of the 12 quizzes and the forum participation. While the average percentage of the 12 quizzes accounted for 70% of the total score, forum participation made up 30%.

The result indicated on their certificate is based on the score they achieved:

0-59%	Fail
60-69%	Good
70-79%	Very good
80-100%	Excellent

Annex 2: Certificates – Sample



Co-funded by the
Erasmus+ Programme
of the European Union

Leonor Hernández López

IN2RURAL Coordinator and Associate Professor of the Department of Mechanical Engineering and Construction at Universitat Jaume I (Spain)

I HEREBY DECLARE:

That *name and surname of the student*, with ID number *ID number*, has successfully completed the online course **Technical English for Renewable Energy** with a score of *score of the student*, held from 01 February to 01 March 2016. This international course has been imparted in English and is part of the Erasmus+ project “IN2RURAL. Innovative Practices in Renewable Energies to Improve Rural Employability”, agreement number 14-1-ES01-KA203-004740.

This course is recognized with **0.5 ECTS**.

Castellón de la Plana

02 March 2016



GEOLIN

GENERAL ELECTRIC



Leonor Hernández López

IN2RURAL Coordinator and Associate Professor of the Department of Mechanical Engineering and Construction at Universitat Jaume I (Spain)

I HEREBY DECLARE:

That **Rozália Szabó**, with ID number 342288RA, has imparted the **Technical English for Renewable Energy** online course, held from 01 February to 01 March 2016. This international course has been taught in English and is part of the Erasmus+ project "IN2RURAL. Innovative Practices in Renewable Energies to Improve Rural Employability", agreement number 14-1-ES01-KA203-004740.

The workload of this course is equivalent to **0.5 ECTS**.

Castellón de la Plana

02 March 2016



GEOLIN

GENERAL ELECTRIC

Annex 3: Questionnaire for students' assessment of in2rural lecturers' teaching activity

The purpose of this questionnaire is to obtain students' assessments of the online course "Technical English for Renewable Energy" and to know their satisfaction with it. Considering your experience as a student of this course, please indicate the extent to which you agree with the statements below about the online course you are assessing. Please use the assessment scale presented to answer by selecting the option that best matches your assessment. There are no correct and/or incorrect answers – just choose the score that best reflects your experience in each case.

The answer pattern follows this scale:

- 1. I totally disagree*
- 2. I disagree*
- 3. Undecided*
- 4. I agree*
- 5. I totally agree*
- DK/NA. Don't know/No answer*

1. At the start of the online course, I received a clear guide of it (see "Start Here" section)
2. I was aware of the assessment criteria to be applied to this online course
3. The course resources (pdf, videos, URLs) included are adequate
4. The online course covers the syllabus as planned
5. The workload required is proportional to the number of module credits
6. The online course implements adequate methodologies and teaching resources
7. The communication during the online course has motivated my participation
8. The follow up activities (forum, mails, online tutorial sessions) carried out are adequate
9. The evaluation activities (quiz and case study) are appropriate
10. I have increased knowledge and I have improved my skills
11. Level of satisfaction with provided material along the course
12. Level of satisfaction with the supervising teachers of the course
13. Global level of satisfaction with the online course

The answer sheet includes a section for remarks that you may wish to make to complete your assessment and proposals for future online courses.

THANK YOU VERY MUCH FOR YOUR COLLABORATION

If you wish to make any suggestions on this questionnaire or have any ideas to improve it, please send an email to igimenez@uji.es

This questionnaire is partially based in the Questionnaire for Students' Assessment of Lecturers' Teaching Activity (OPAQ-UJI, 2011)

Annex 4: Results of ‘Questionnaire for students’ assessment of in2rural lecturers’ teaching activity’

Number of students that have answered the questionnaire: 18

Grade values of answers:

I totally disagree	1
I disagree	2
Undecided	3
I agree	4
I totally agree	5
DK/NA. Don’t know/No answer	0

Average grades by question

Number	Question	Average grade	Standard deviation
1	At the start of the online course, I received a clear guide of it (see “Start Here” section)	4,39	0,68
2	I was aware of the assessment criteria to be applied to this online course	4,22	0,85
3	The course resources (pdf, videos, URLs) included are adequate	4,06	0,70
4	The online course covers the syllabus as planned	3,78	1,03
5	The workload required is proportional to the number of module credits	4,22	0,92
6	The online course implements adequate methodologies and teaching resources	3,56	1,30
7	The communication during the online course has motivated my participation	3,88	0,83
8	The follow up activities (forum, mails, online tutorial sessions) carried out are adequate	4,33	0,94
9	The evaluation activities (quiz and case study) are appropriate	4,22	0,63
10	I have increased knowledge and I have improved my skills	3,89	0,99
11	Level of satisfaction with provided material along the course	4,44	0,50
12	Level of satisfaction with the supervising teachers of the course	4,11	0,91
13	Global level of satisfaction with the online course	4,39	0,68

