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Project: Boosting the telecommunications engineer profile to meet modern society and industry needs [BENEFIT]

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Work Package 4: Training and internship implementation

Title: D4.1. Report on training/internship Web Platform

Leading organizations: FERIT

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	Description	<p>A web platform will be created (by M18) to easily present lists, basic information, application procedures and the like, all related to training opportunities and internships organized by the project partners. It will be kept maintained and updated over time.</p> <p>A report will describe the material on this web platform, its properties and capabilities.</p>
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	Language	English and Bosnian/Croatian/Serbian
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Dissemination level	<input type="checkbox"/> Department/ Faculty <input type="checkbox"/> Local <input type="checkbox"/> National <input type="checkbox"/> Institution <input type="checkbox"/> Regional <input checked="" type="checkbox"/> International	
WP Leading Organization	UNIB	
Participating Organization	UL, UNIOS, UNI-BL, UNSA, UNTZ, UNIB, UNI-NIS, UNS, ENT, BICOM, BIT, CISCO, NiCAT, RT-RK, AN, SE-DMS, TEL, ZM	

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1	7.3.2019	V. Križanović, D. Došen, I. Lukić, Z. Krpić	FERIT	First version
2	10.2.2020.	S. Rimac-Drlje	FERIT	Editing

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## 1. Introduction

This deliverable “D4.1. Report on training/internship Web Platform” reports the results of the activities carried out in:

**WP4** Training and internship implementation (**Work package leader: UNIB**)

**T4.1** Creation of web portal for training and internship opportunities (**Task leader: FERIT**)

The web portal for training and internship opportunities, named “Industry information portal”, was developed by the FERIT team and this report gives a description of the portal’s design and functionalities. Other project partners also contributed to the design of this portal.

The report is prepared by T4.1 task leader Faculty of Electrical Engineering, Computer Science and Information Technology Osijek – FERIT.

## 2. Industry Information Portal

The Industry information portal is one of the e-platforms linked to the Central project web platform developed by FERIT team under WP6. The objective of the Central web platform is set to provide all relevant information about the project activities, the partner HEIs, their study programmes and industry information in the WB region. Thus, this platform links together:

- the Official project web site - comprising information about the project activities, ICT study programmes, enrollment procedures across all EU and WB HEI partners, as well as important documentation and contact data
- the ICT Study programmes web portal - to make modernized ICT study programmes of involved WB HEIs’ more visible and accessible to students in both WB region and EU
- the Teaching material web repository - to store all developed or enhanced class and lab material
- the Industry web catalogue - to promote associated partner companies in WB region, and
- the **Industry information portal** - to inform about available training and internship opportunities, job offers, seminars, information about new joint projects between industry partners and HEI, opened PhD positions, and all other relevant events in WB region and wider
- all other important information.

As a part of the main Central web platform (Fig. 1), the Industry information portal is available at:

<https://www.project-benefit.eu/eplatform/?iportal#6>

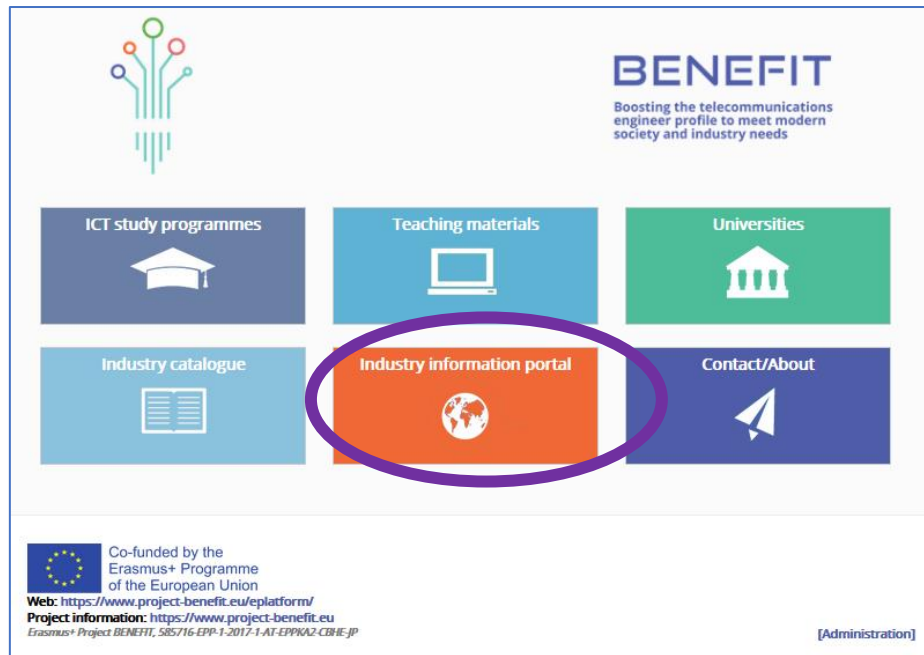


Figure 1. *The linked Industry information portal within the Central web platform*

## 2.1 Design and functionality of the Industry information portal

The task related to the creation of the Industry information portal is delegated to the FERIT project team.

The designed interface of the Industry information portal consists of several parts (Fig. 2) related with the categories of tasks for which it should be used.

These categories are listed hereafter:

- Published Posts
- Internships
- Graduate Theses

as presented in Fig. 2.

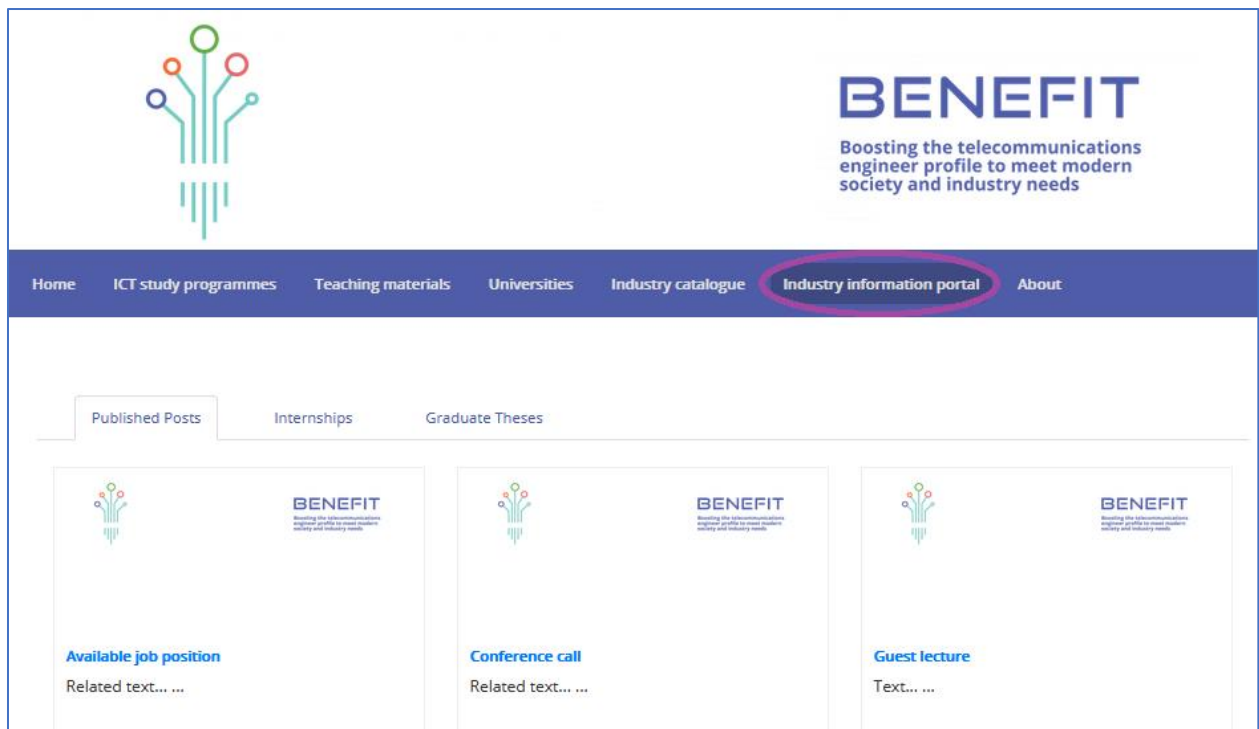


Figure 2. *The interface of the Industry information portal*

The functionality of every category will be described in more detail hereafter.

**The first group of tasks** of this Industry information portal should present **published posts** (Fig. 3) related to:

- opened job positions
- educational and other related events (e.g., public lectures, seminars, webinars...)
- project participation calls
- training opportunities, etc.

to make all such opportunities more visible.

These announcements should be entered by contact persons from companies and/or by already delegated administrators from Universities, depending on the related content.

The announcements can be published in English language or any of the project partners' official languages.

Every announcement related with the available jobs, education, training, etc., should be presented by the corresponding title, date of announcement (to be automatically added), short description, and the link to other available on-line sources providing additional information.

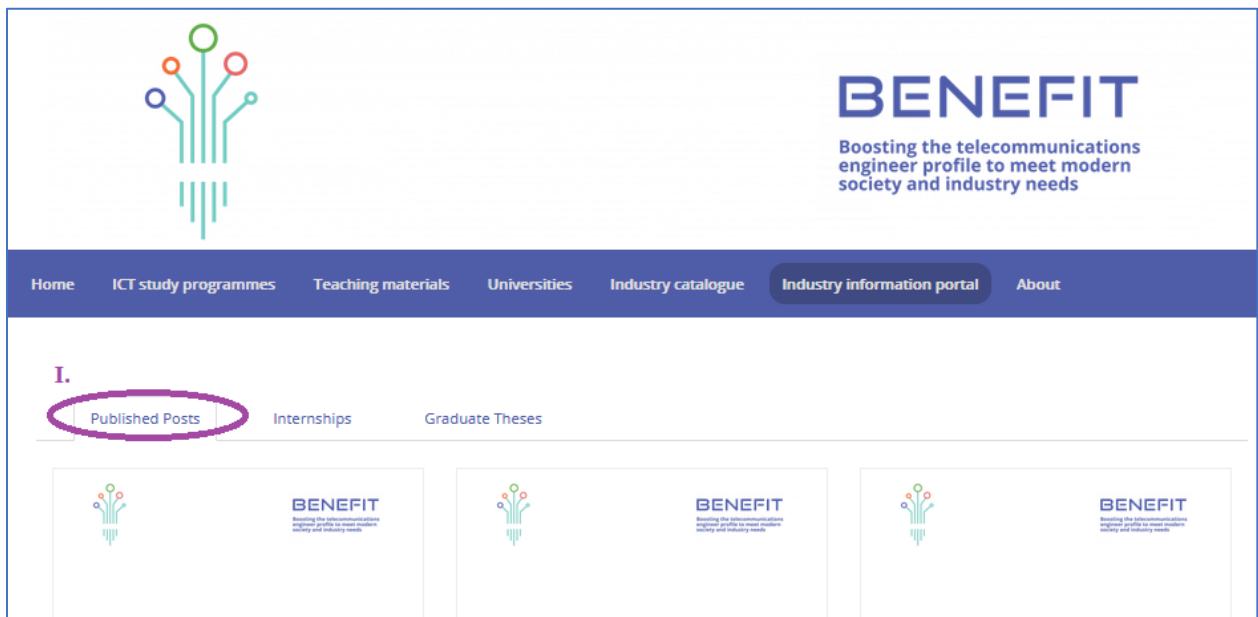


Figure 3. The Published Posts category within the Industry information portal

Since the companies could offer internship opportunities to students, **the second group of tasks** of this Industry information portal should be used (Fig.4):

- to list information related with available professional internships (which should be entered into portal by contact persons from companies), and
- to enable related application procedures for students, so that the students can apply for internships by submitting an application related to a certain announcement in the Industry portal.

The listed information related to offered internships should comprise:

- basic data about the company
- defined tasks
- duration (the total number of hours), and
- deadline for the application.

Once the application period expires, approval for the chosen applications should be conducted within the Central platform system by contact persons from companies, so that the students whose applications are approved can start with internship.

After the call closes, the total number of successful applications can be indicated.

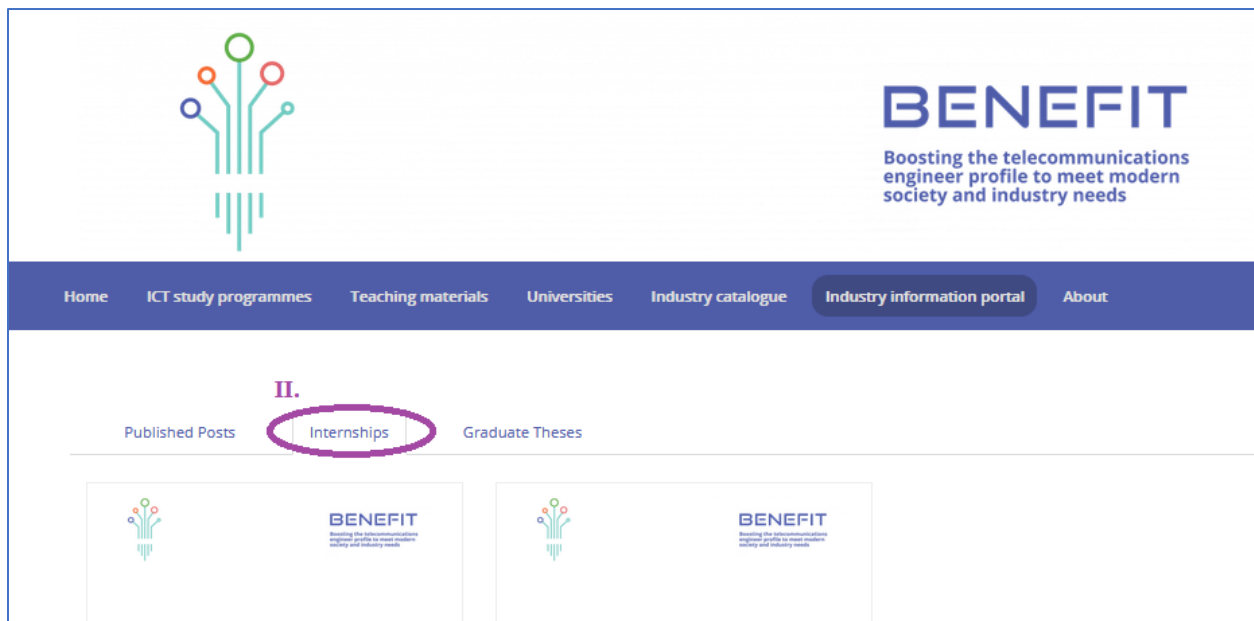


Figure 4. *The Internships category within the Industry information portal*

Finally, since the partner companies could offer final theses to students, as well, **the third group of tasks** of this Industry information portal should be used:

- to list all available final theses in cooperation with companies (which should be entered into portal by the companies' contact persons, administrators from Universities or teachers\*), and
- to enable related application procedure for students, so that students can apply for the final theses by sending data by e-mail\*\*, and after that, the automatic confirmation e-mail will be sent to students.

Once the application period expires, approval for the chosen applications should be conducted by the companies' contact persons, administrators from Universities or teachers\* within the Central platform system (directly by a generated e-mailed link from the Central platform system), to inform the applicants in a timely manner.

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*\*Teachers are connected only with courses and teaching material, but can be informed of final thesis for their approval or disapproval*

*\*\* Students must apply using their formal institutional e-mail addresses.*

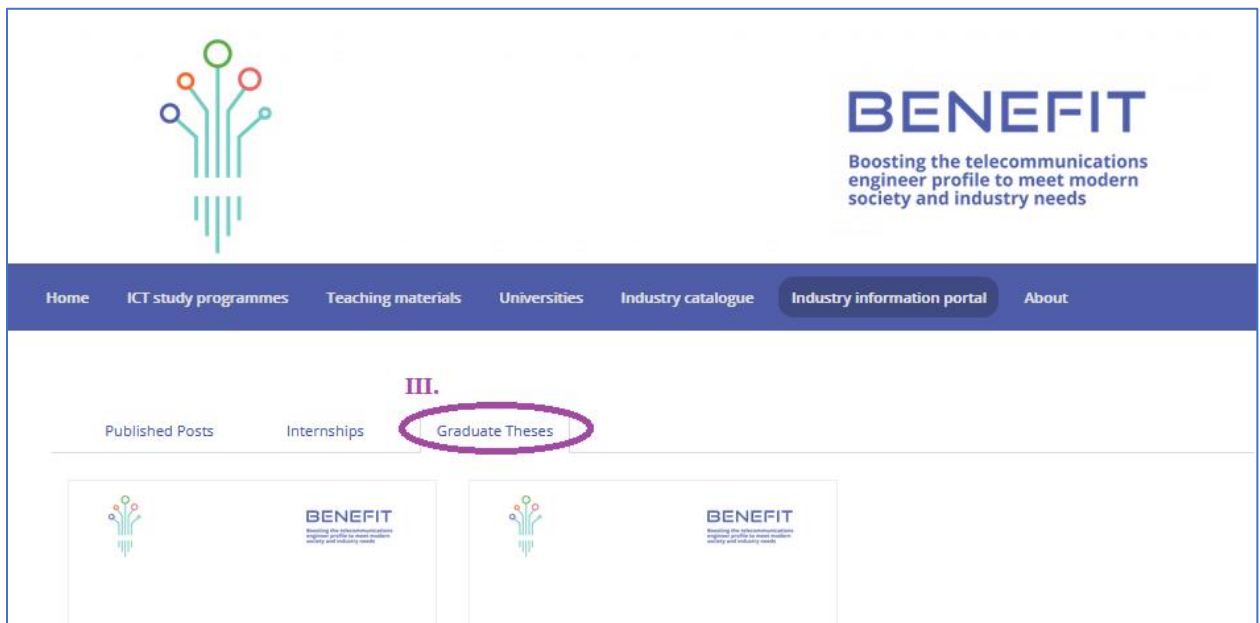


Figure 5. *The Graduate Thesis category within the Industry information portal*

All confirmed applications will be stored in the Central platform system.

Students can apply for more topics, but since their e-mail address is registered in the system at their first application, as soon as the first confirmation of the topic is conducted, all other chosen topics will be disabled (to avoid duplication of the topics assignments).

The published information related with the final theses that should be provided should comprise:

- titles of the theses
- information on the type of study programme for which the final theses are appropriate (undergraduate or graduate study programme)
- the brief topics description
- required knowledge (if expected), and
- defined output (if required).

## 2.2 Indicators of successfully conducted project activities

Since internship administration procedures differ for every University, once the students finish their internship, students and/or mentors from companies should send their reports by e-mail directly to the teachers (not through on-line system) , and the teachers should send this information to the platform administrators from their Universities\*. Administrators should check mark in the system that the internship is finished so that the successfully finished internships can be registered in the Central platform.

The similar procedure for counting of the total number of finished theses will be recorded, as well. The teachers should send the information about the finished final theses to the platform administrators from their Universities. Administrators should check mark in the system that the thesis is finished so that the total number successfully finished theses can be registered in the Central platform.

The indicators shown on the Industry information portal should present all successfully conducted activities:

- the total number of realized internships, and
- the total number of finished final theses.

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*\* Administrators and teachers will have the generated lists in the system to confirm that the assignments are finished, and the date of completion of each assignment should be registered, as well*

## 2.3 Company registration procedure

Since all relevant information in this Industry information portal should be regularly updated over time, this task should be delegated to the contact persons from the companies and/or by the already delegated administrators from Universities, depending on the related content. Therefore, the partner companies should be registered into system, as well.

The Industry catalogue is the foundation for company registration and for enabling data entry into Industry information portal. Therefore, the companies should be registered, i.e. the required data should be entered into Industry catalogue, in order to be given an option to publish the announcements in the Industry information portal. The required company registration data include the company title, company logo, its ID, and contact person information (Fig. 6).

**BENEFIT**  
Boosting the telecommunications engineer profile to meet modern society and industry needs

Home ICT study programmes Teaching materials Universities Industry catalogue Industry information portal About

Home Settings Published Posts Internships Graduate Theses New Posts

Company name Identification number

Company name Enter Identification number

Address City

Enter address Enter city

Phone Mobile

Enter phone Enter mobile number

Email Web site

you@email.com Enter Web site

Facebook Twitter

Enter facebook Enter twitter

Save

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Web: <https://www.project-benefit.eu/eplatform/>  
Project information: <https://www.project-benefit.eu>  
Erasmus+ Project BENEFIT, 585716-EPP-1-2017-1-AT-EPPKA2-CBHE-JP

[Administration]

Figure 6. The interface of the Industry catalogue

The following two methods for company registration are available:

- 1) The University Administrator directly invites the company by e-mail, the company receives an application form for entering data into the Industry Catalogue, and after that the administrator confirms the entered data.
- 2) Company registers through a registration access link available on the Industry catalogue, whereby one University must be selected. Then the administrator from that University receives the application information, confirms them, and contacts the company for any necessary additional information.

As already mentioned, the administrators from the Universities must confirm the activation of companies' accounts. Only after that confirmation companies can start entering their announcements into Industry information portal, within the New Posts tab, as presented in Fig. 7.

In both cases, administrators must have its created list (i.e., database) of all the companies for which it can activate / deactivate the option to edit information in the portal.

The screenshot shows the 'BENEFIT' platform interface. The header includes the BENEFIT logo and the tagline 'Boosting the telecommunications engineer profile to meet modern society and industry needs'. Below the header is a navigation bar with links: Home, ICT study programmes, Teaching materials, Universities, Industry catalogue, Industry information portal, and About. The main content area has a sidebar on the left with a profile picture upload section (labeled 'DREAM'), a website field (labeled 'Benefit'), and social media links. The main content area has tabs for Home, Settings, Published Posts, Internships, Graduate Theses, and New Posts. The 'New Posts' tab is active, showing a form with fields for Post Title, Text, and Post category. The 'Post category' dropdown menu is open, showing options: Post, Internship, and Graduate thesis. The 'Post' option is selected and highlighted. At the bottom, there is a footer with the Erasmus+ logo and project information: 'Co-funded by the Erasmus+ Programme of the European Union', 'Web: https://www.project-benefit.eu/platform/', 'Project information: https://www.project-benefit.eu', and 'Erasmus+ Project BENEFIT, 585716-EPP-1-2017-1-AT-EPPKA2-CBHE-JP'. There is also a '[Administration]' link in the bottom right corner.

Figure 7. The interface for publishing new posts and choosing the category of posts

After the registration process, the publishing and editing of different categories of announcements can start: Posts, Internships or Final Theses, as presented in Fig. 7-9.

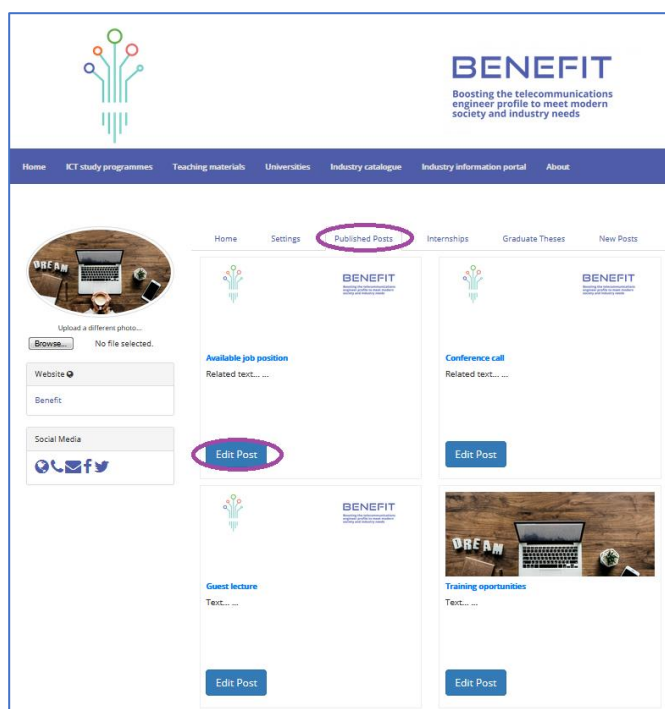


Figure 8. *The interface for editing posts*

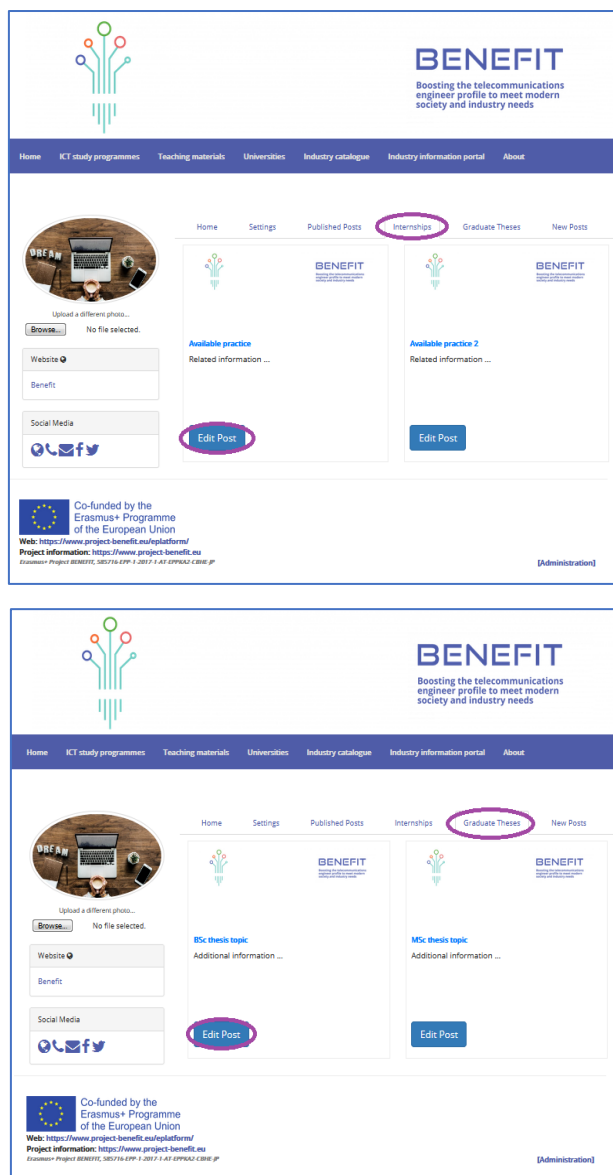


Figure 9. The interface for editing announcements related to available internships (left) and final theses (right)