| Project: | Boosting the telecommunications engineer profile to meet modern society and industry needs [BENEFIT] |
|---|---|
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| Work Package 2: | University-enterprise cooperation and modernization of Telecommunications Engineering study programs |
| Title: | D2.4 Web catalogue for long-term cooperation with ICT industry in the region |
| Leading organizations: | FERIT, UNI-KLU, UNITZ |
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| --- | --- | --- | --- |
| | Title | Web catalogue for long-term cooperation with ICT industry in the region | |
| | Type | ☐ Teaching material ☐ Event<br>☐ Learning material ☒ Report<br>☐ Training material ☒ Service / Product | |
| | Description | The document provides a description on the web catalogue. This web service is made available to industries via registration to list their workforce needs, knowledge requirements, job vacancies, former student's feedback and advice to student community, etc. | |
| | Date | 27.04.2020 | |
| | Language | English | |
| Target groups | ☒ Teaching staff<br>☒ Students<br>☒ Trainees<br>☒ Administrative staff<br>☒ Technical staff<br>☐ Librarians<br>☒ Industry representatives, technology parks, chambers of commerce, public authorities. | | |
| Dissemination level | ☐ Department / Faculty | ☐ Local | ☐ National |
| | ☐ Institution | ☐ Regional | ☒ International |
| WP Leading Organization | UNITZ | | |
| Participating Organization | UL, FERIT, UBL, UNSA, UNTZ, UB, UNI, UNS, ENT, BICOM, BIT, CISCO, NiCAT, RT-RK | | |

| Revision History | | | | |
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| Version | Date | Author(s) | Organization(s) | Brief description of change |
| 1 | 14.3.2018 | A. Tonello | UNI-KLU | Super draft |
| 2 | 31.3.2020 | S. Rimac- Drlje, Z. Krpić | FERIT | First version |
| 3 | 27.4.2020 | D. Righini | UNI-KLU | Second version |
| 4 | 14.1.2021 | E.Schneider | UNI-KLU | Minor corrections |

# Table of Contents

# 1    Introduction

This deliverable "Web catalogue for long-term cooperation with ICT industry in the region" reports on the development of the web catalogue and its characteristics.

# 2    Objectives of the Deliverable

The objective of this deliverable are:
- The creation of Web portal linking ICT study programs of both EU and Western Balkan universities and enrollment procedures.
- The description of the aforementioned web portal.

# 3    Description of the industry web catalogue

Western Balkan HEI partners have established a long-lasting cooperation with companies and technology parks in the region. A web catalog was designed to foster collaboration and visibility of the industrial partners, promote their activities, internships for students and theses in collaboration with HEI partners.

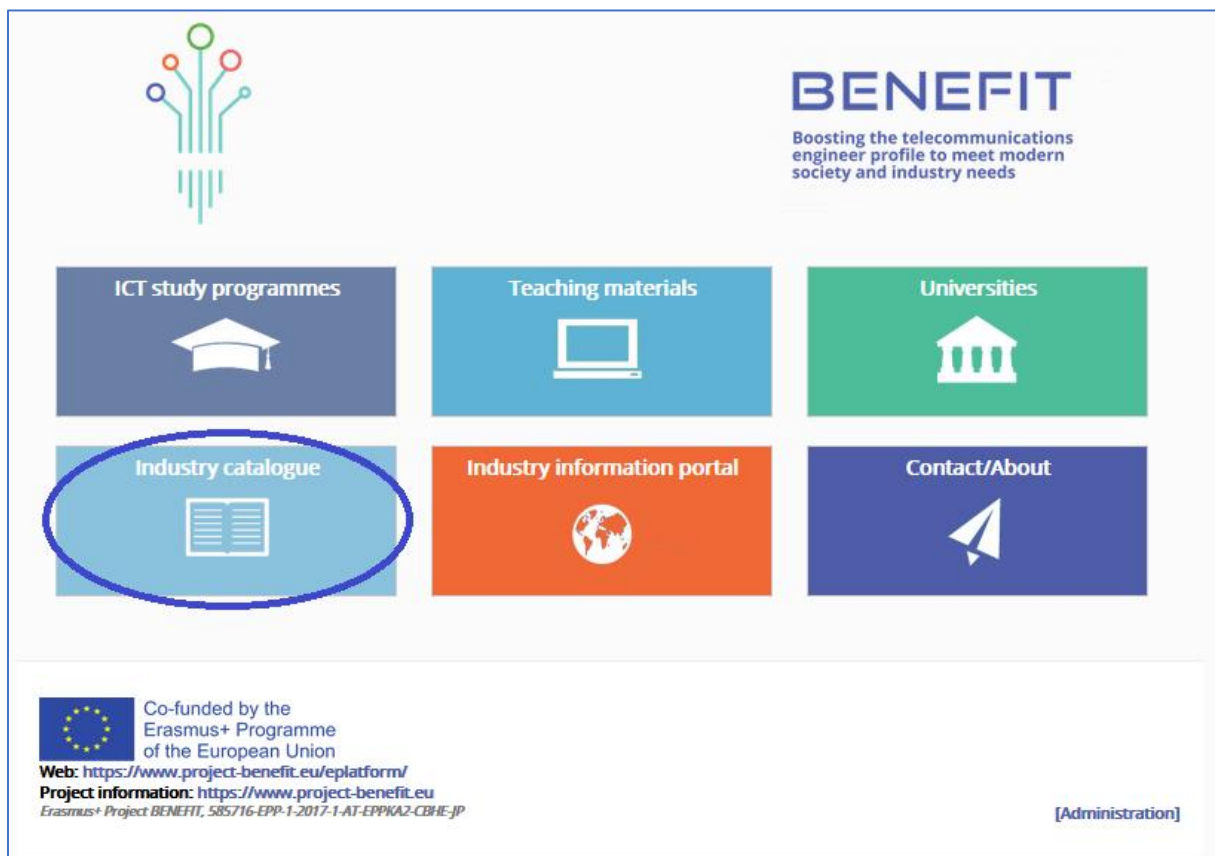As a part of the main Central web platform (Fig. 1), the Industry web catalogue is available at: https://www.project-benefit.eu/eplatform/?catalogue



Figure 1. *The link to the Industry web catalogue*

The task to coordinate the creation of the web catalogue of industry capacities and companies (presented in Fig. 2), as well as its implementation, is led by FERIT. The information available in the catalogue are filled in by the HEIs' representatives and the ICT cluster partners (BIT, NICAT, VOICT).

The aim of the web catalogue is involving the highest number of companies in the region, promote job application in the telecommunication an ICT industry in the Western Balkan countries, reduce the engineer drain and attract employees from non-partner countries.

The web catalogue helps also the cooperation between industries and universities, listing several activities done in cooperation between them. This will make partners more attractive to students even beyond the Western Balkan region.



Figure 2. *The Industry web catalogue*

# 4    Design of the industry web catalogue

The overview and necessary input dialogues of the Industry web catalogue are presented in Fig. 3. The required data include a list of basic information about the partner companies:
- Company name
- Identification number
- Address
- City
- Phone
- Mobile
- Email address
- Web site address
- Facebook page
- Twitter page.



Figure 3. *The Industry web catalogue input dialogues*

# 5 Description of Survey for Collection of Data from Industry Partners

For the purpose of gathering necessary information that should be entered within the Industry catalogue, a short survey is created by the FERIT team.

This survey is forwarded to the delegated contact persons from Western Balkans HEIs to collect required data from their industry partners. The survey is available at:
[https://docs.google.com/forms/d/11rXvuKuF28byVPSHowqUiwqgypAkkvEExbyiUGHTlVQ/edit](https://docs.google.com/forms/d/11rXvuKuF28byVPSHowqUiwqgypAkkvEExbyiUGHTlVQ/edit)
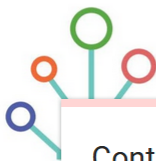
The following information are required for creating the user accounts within industry portal, as well as Industry catalogue:
- Company name *
- Company ID: the ID of the company (if applicable)
- Company address *: (the main address of the company)
- Company official phone number *: (the company's main contact phone number)
- Company email address *: (the company's main email address)
- Company website: website of the company (complete URL)
- Company logo (icon): the company logo/icon that will be used to enhance the visual identity and recognition of the company
- Company contact person *: the first and last name of the company contact person
- Company contact person email *: e-mail address of the contact person
- Comments: any comments that you find useful for accompanying the contact information provided.

Within the survey, data denoted by ´*´ present necessary inputs. The overview of the survey is presented in Fig. 4.

Figure 4. *The structure of the survey for industry partners*

# 6     Functionality of the industry web catalogue

Under the "Settings" dialogue of the Industry web catalogue, the contact person can change his passwords, as presented in Fig. 5.



Figure 5. *The Industry web catalogue settings dialogues*

The designed interface of the Industry web catalogue portal has an option for adding new posts, as presented in Fig. 6.

Each new post must have its defined title, textual description, and chosen category. Three available categories are listed below:
- Published Posts
- Internships
- Graduate Theses.

Figure 6. *The New Post dialogue in the Industry web catalogue*

Under the "New Post" dialogue, the first category is "Posts", which is used for entering the announcements related to:

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

These published posts should be entered by the contact persons from companies and/or by delegated administrators from Universities, depending on the announcement content. Every post related with the available jobs, education or training should be presented by its corresponding title, date of announcement (to be automatically added), short description, and the link to other available on-line sources providing additional information.

The second post category refers to internships. Companies can advertise professional internship opportunities to students. This category is used for all information about internships which should be entered into the portal by the company contact persons.
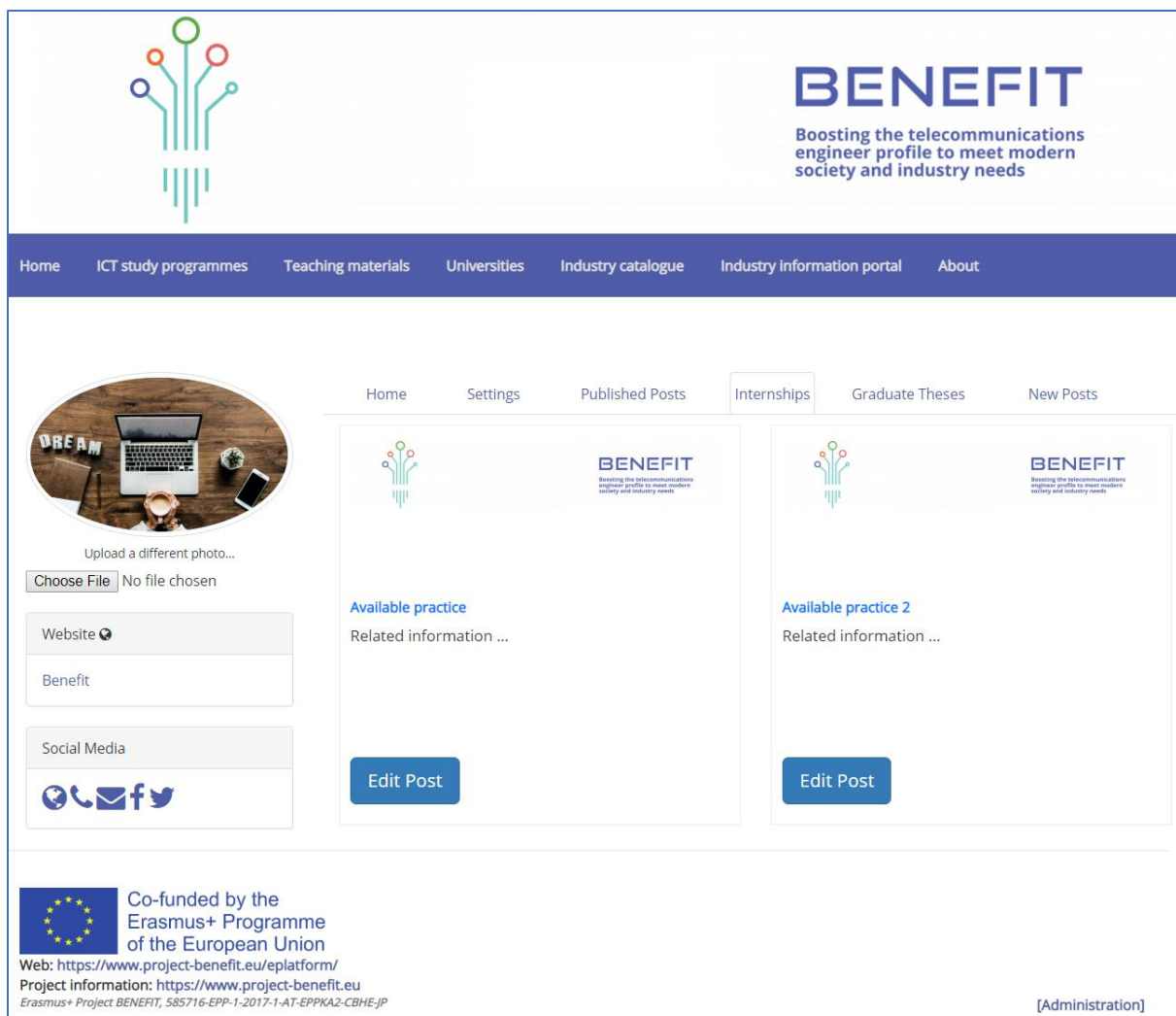
Figure 7. *The Internships category in the Industry web catalogue*

The internship information that should be listed include:
- basic data about the company
- defined tasks
- duration (the total number of hours), and
- deadline for the application.

The third post category refers to "Graduate Theses". The partner companies can advertise theses in cooperation with university partners to students. The announcements in this category should be entered into the portal by the companies' contact persons, the administrators from Universities or teachers.
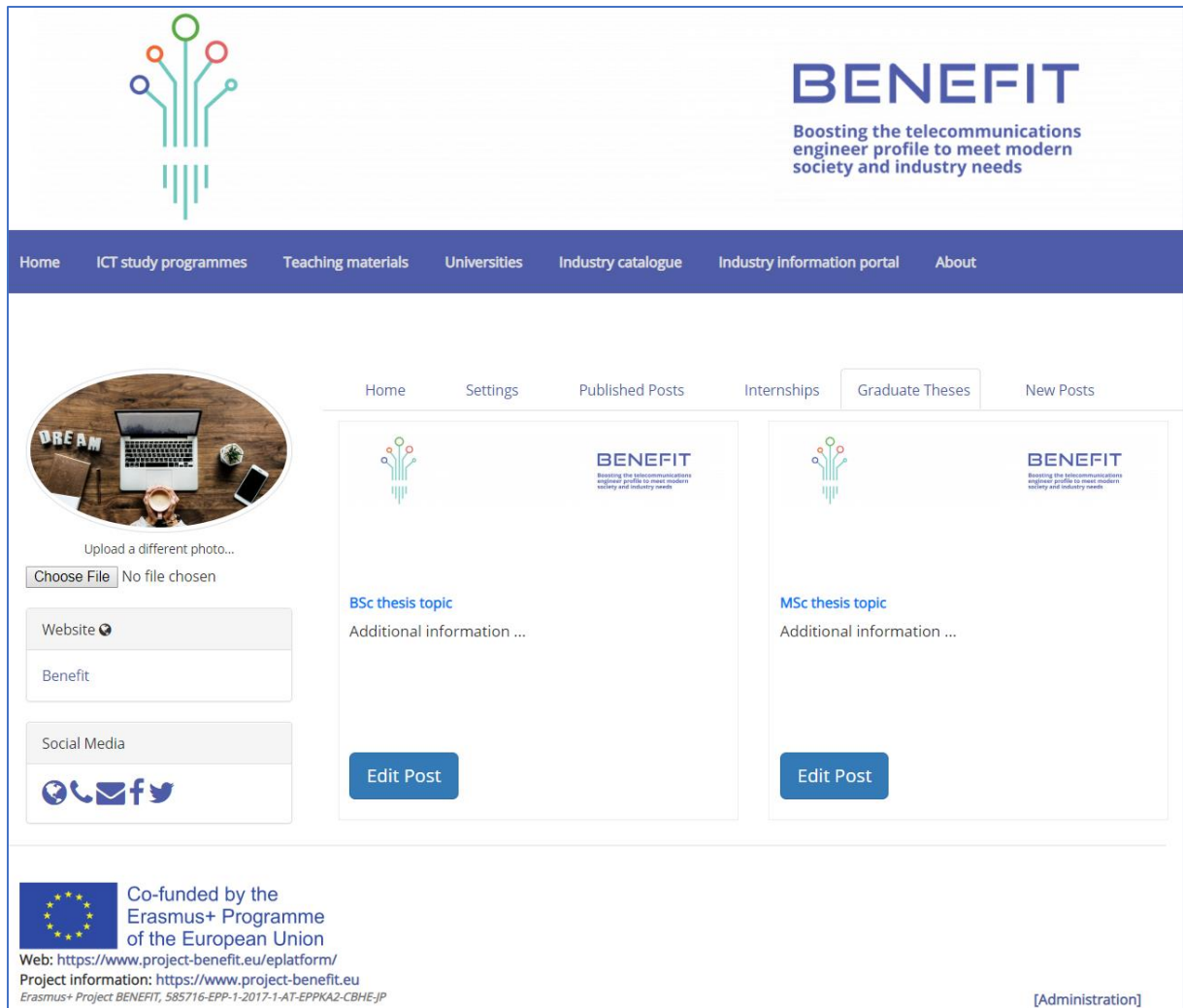
Figure 8. *The Graduate Theses category in the Industry web catalogue*

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

After a new post is published, it appears in one of the three dialogues categories: the Published Posts, Internships or Graduate Theses. In Fig. 9, the category Published Posts is presented where all announcements defined as general Posts are listed.
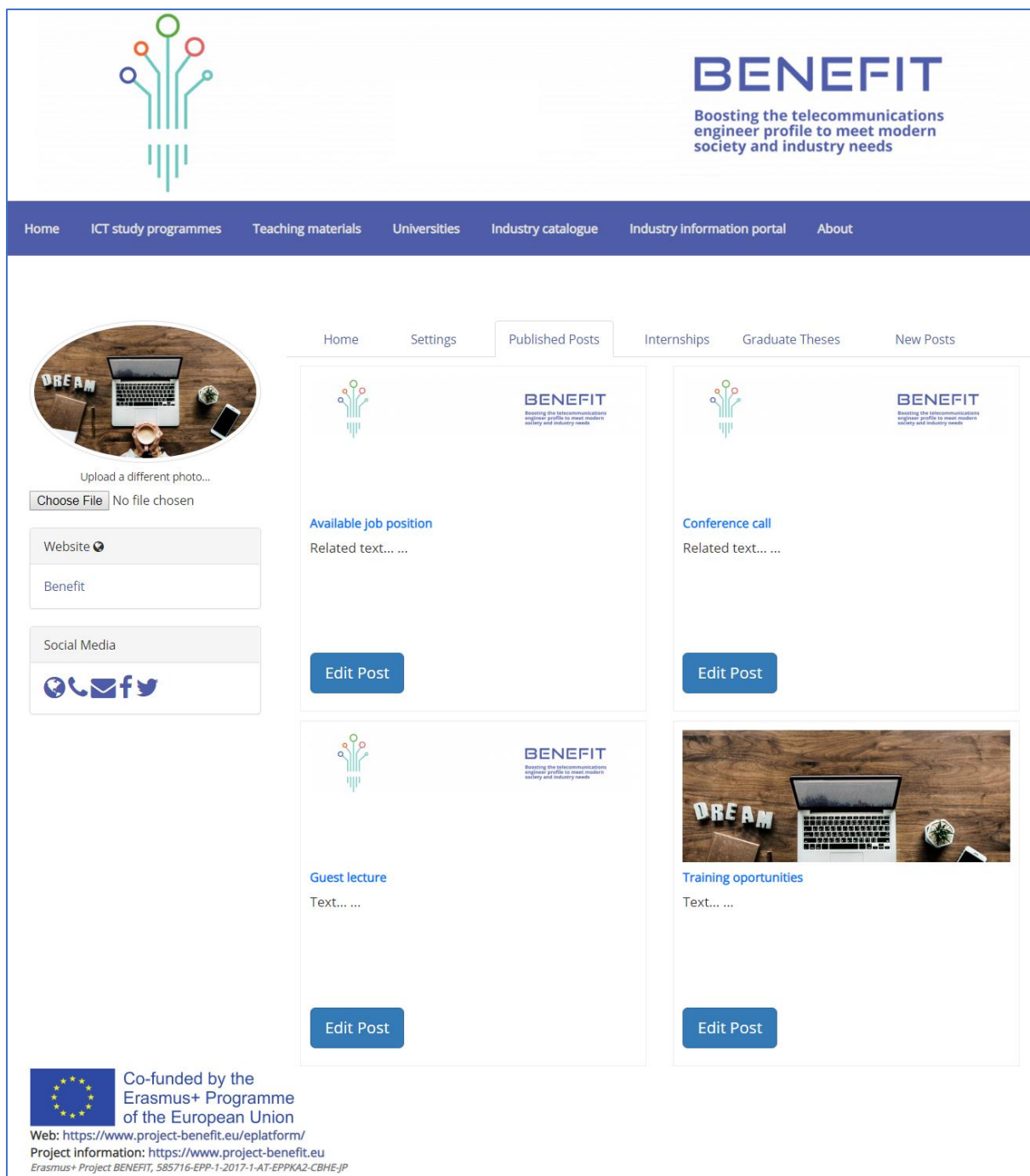
Figure 9. *The published posts overview in the Industry web catalogue*

Each published post can be edited, as presented in Fig. 10. Changes can be made in the "Post Title", Text, "Featured Image" and "Post Category". The "Featured Image" is used to substitute the default featured image by post thumbnail. After editing and uploading, the "Featured Image" post is saved by clicking on the "Publish Post" button.

Figure 10. *The editing of published posts in the Industry web catalogue*