



# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

## WP 2.5: Implementation of Industry Portal Task: 2.5.2: Testing document

May 2021

*Disclaimer: This publication has been produced with the support of the European Union under the Erasmus+ Programme. The contents of this document are the sole responsibility of EURYDICE consortium and can under no circumstances be regarded as reflecting the position of the European Union or the Programme management structure.*

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



Deloitte.





# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

**Deliverable author:** TUT (Memane NP)

**Contributors:** CUT (Raath J) & DUT (Rathiall S)

<b>Due date</b>	14.05.2021
<b>Submission date</b>	22/9/2021

### Review history

#### Review type

Formal (or) Walkthrough  
(or)Offline

Version	Date	Reviewer/s
V0.1	15/7/2021	UUAS
V0.2	27/7/2021	UASTW
V0.3		
1.0 (Final)	22/9/2021	TUT

### Dissemination level

<b>PU</b>	Public	
<b>RE</b>	Restricted to a group specified by the Consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	<b>X</b>

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





# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

## Copyright

@ Copyright 2020-2023 The EURYDICE Consortium

Consisting of

Coordinator	P1	Ulm University of Applied Sciences (UUAS)	Germany
Partners	P2	Durban University of Technology (DUT)	South Africa
	P3	Budapest University of Technology (BME)	Hungary
	P4	Central University of Technology, Free State (CUT)	South Africa
	P5	University of Applied Sciences Technikum Wien (UASTW)	Austria
	P6	Tshwane University of Technology (TUT)	South Africa
	P7	Deloitte Limited (DT)	Cyprus

**This document may not be copied, reproduced, or modified in whole or in part for any purpose without written permission from the EURYDICE Consortium. In addition to such written permission to copy, reproduce, or modify this document in whole or part, an acknowledgment of the authors of the document and all applicable portions of the copyright notice must be clearly referenced.**

All rights reserved.

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



**Deloitte.**





# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

## 1.2 Abbreviations

UoT- University of Technology

ELMS-EURYDICE LEARNING MANAGEMENT SYSTEM



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





## Table of Contents

<b>1. Introduction</b> .....	6
<b>1.1. Document Overview</b> .....	6
<b>2. System Overview</b> .....	6
<b>3. Test concept</b> .....	14
<b>4. Test cases and test results</b> .....	14
<b>5. Concluding remarks</b> .....	16
<b>6. Contacts</b> .....	16

## Table of figures

Figure 1: Login page .....	6
Figure 2: The system allows registration for new users to allows students and industries to join.....	7
Figure 3: University landing page.....	8
Figure 4: Detailed reports .....	9
Figure 5: University staff functionality.....	10
Figure 6: University staff menu.....	11
Figure 7: EU collaborates menu.....	12
Figure 8: Companies menu .....	13
Figure 9: Students functionality.....	13





# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

## 1. Introduction

### 1.1. Document Overview

This document is the test report of the Industry portal-testing phase. The portal has been developed and is used as a communication tool between industry partners, universities and students. Based on the status quo analysis it was reported that there is a lack of meaningful collaboration among UoTs in South Africa, as well as lack of close collaboration with industry stakeholders.

This tool will be used to address the above-mentioned issues. This portal will enable the universities to work collectively with the industries to transfer knowledge from university to industry and vice versa. This portal enables the industry/university cooperation to offer matched placements for the students' needs at different levels of education.

## 2. System Overview

ELMS (Eurydice Learning Management System) is an online portal used to link renewable energy companies to students and universities in South Africa.

It can be accessed by clicking this link: <https://eurydice.co.za/>

### 2.1 Landing page



Figure 1: Login page

By clicking on the link, the user lands on the login page as shown above in the figure 1.

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





# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

## 2.2 Login page

**Tshwane University of Technology**  
We empower people

**Central University of Technology, Free State**

**DUT**  
DURBAN UNIVERSITY OF TECHNOLOGY  
INYIVESI YASETHEKWIN YEZOBUCHWEPHESHE

### Hello! let's get you logged in

Sign in to continue.

Email address

Password

[Log In](#) [Forgot Password](#)

New [Student](#) here? Click to sign up      New [Company](#) here? Click to sign up

Figure 2: The system allows registration for new users to allow students and industries to join.

ELMS is an online portal used to link renewable energy companies to students and universities in South Africa. The system is developed to meet the following objectives:

- Career services and graduate recruitment events management,
- Alumni management,
- Electronically keep track of all students who have acquired employment,
- Electronic records of the companies that take on students,
- A place for companies to post job adverts, vocational work, funding and projects
- A place for students to post their CVs and apply for advertised job opportunities,
- Accreditation bodies such as ECSA, DHET Reports,
- Online portfolio of evidence for students,
- Recruitment services media and resources,
- Interview process management.

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





# EURYDICE

Collaborating towards a future in renewable energy

eurydice@cut.ac.za | eurydice.cut.ac.za

## 2.3 The university portal has the following functionality:

Hi, Welcome back Ntombizotwa Perseverance!  
Dashboard,

Number Of Companies	Number Of Students	Events	Total Adverts Posted
1	1	0	0

Latest Company Site Registrations

#	Company Contact Details	Company Details	Job Title	Registration Date	Activate
<a href="#">View all companies that need activation</a>					

Upcoming Events

#	Type	Title	Date	Companies	Students
No upcoming recruitment programmes					

Job Adverts That Need To Be Published

#	Company	Departments	Position	Cut Off Date	Approved
<a href="#">View all companies that need activation</a>					

Figure 3: University landing page.

Dashboard

This section shows a number of industry partners and students registered on the system

This section shows upcoming events and job adverts

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







# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

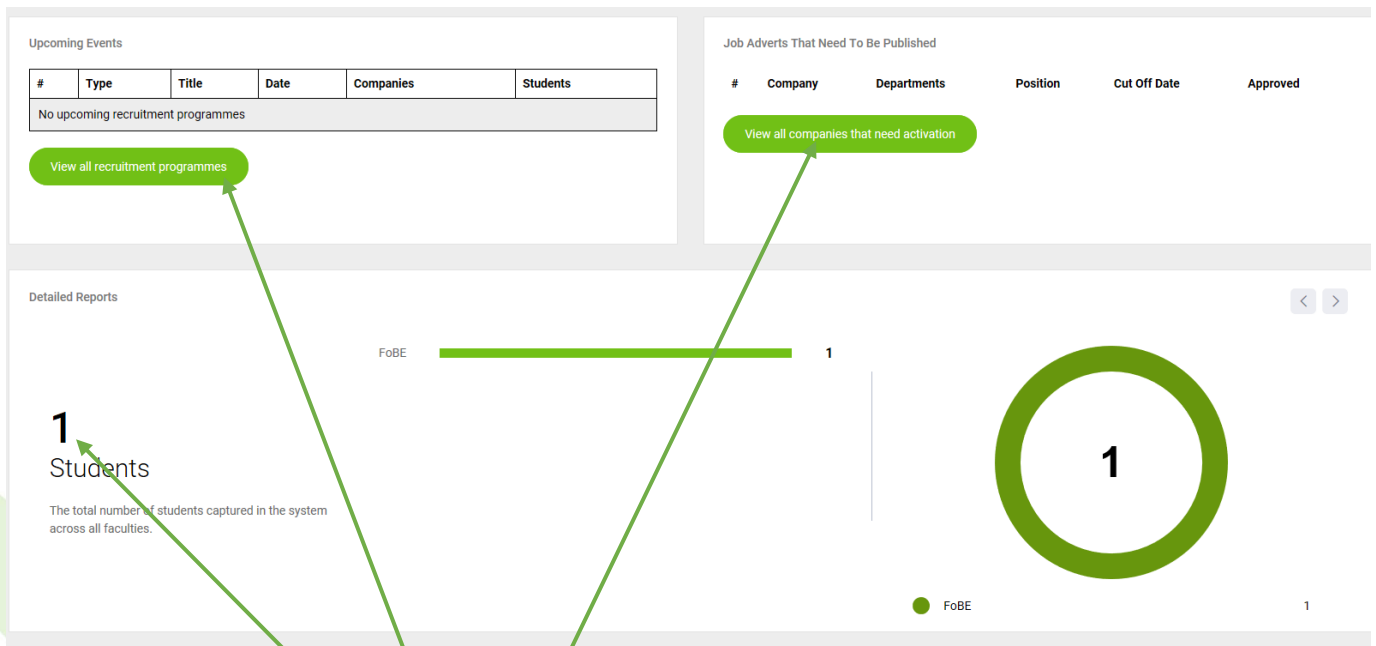


Figure 4: Detailed reports

This section gives detailed reports, for all events, job posted, company details and students.

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

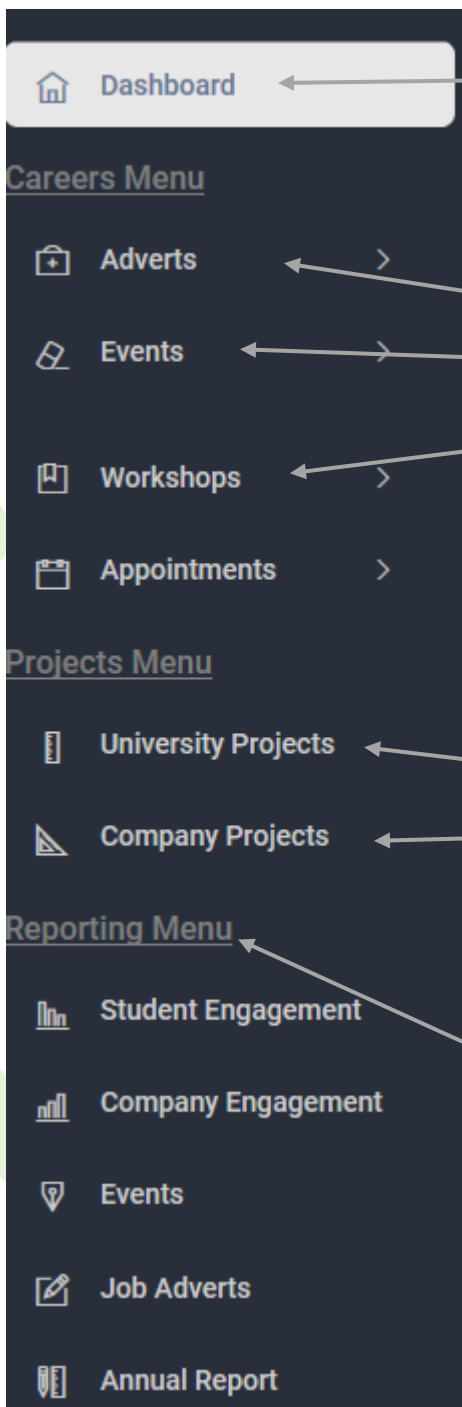




# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)



This page is used to summarize all the information.

These pages are used to add any adverts, recruitment programmes, events or workshops. Students can then RSVP or apply to the event or job advert

These pages are used to add university projects and to approve company projects. Each university will have to approve the company projects for them to be available for their students

Various reports can be viewed. A report on students and company engagements, events and job adverts

Figure 5: University staff functionality

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





# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

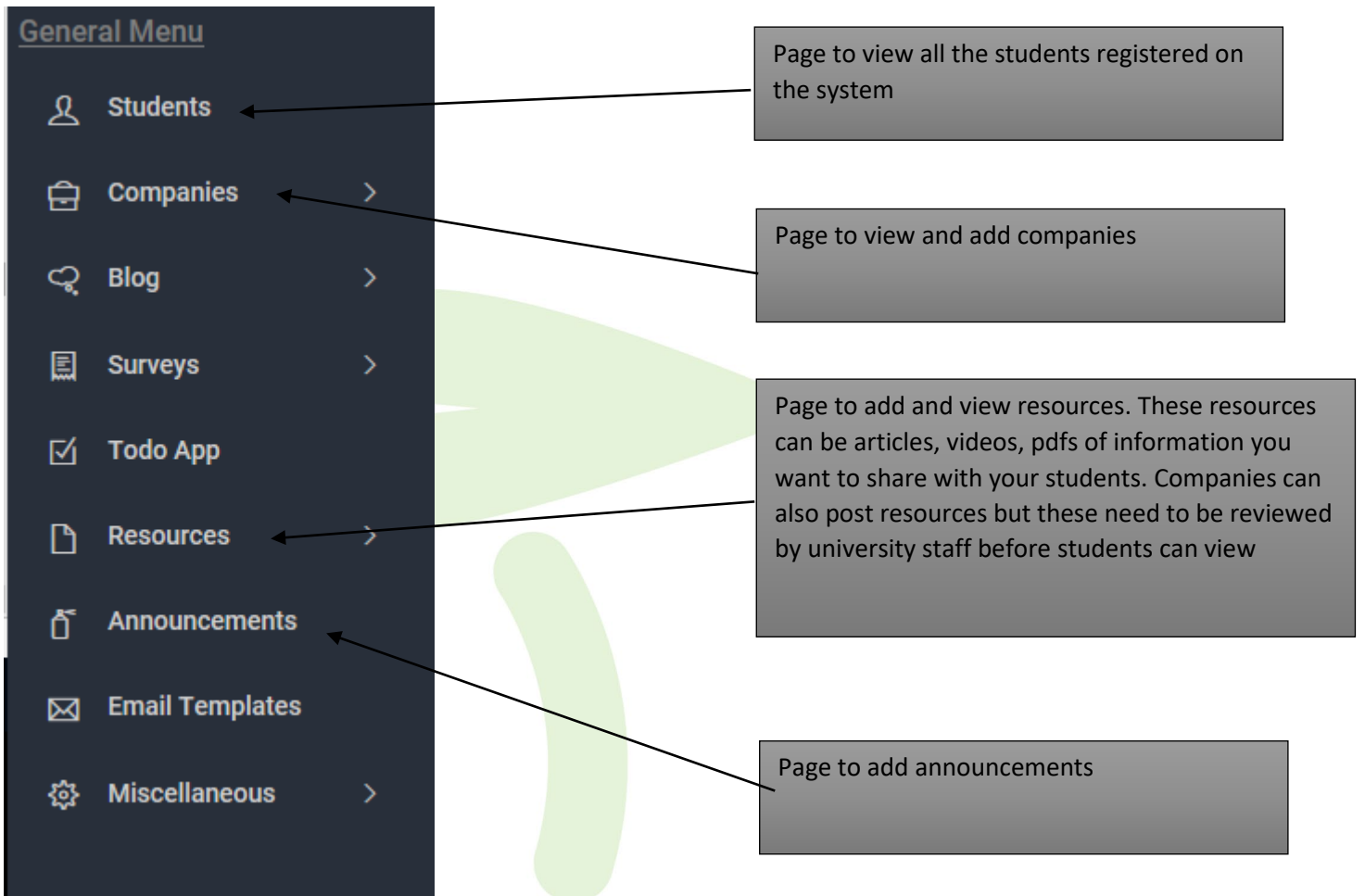


Figure 6: University staff menu

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





# EURYDICE

Collaborating towards a future in renewable energy

eurydice@cut.ac.za | eurydice.cut.ac.za

## 2.4 EU partners have the following functionality

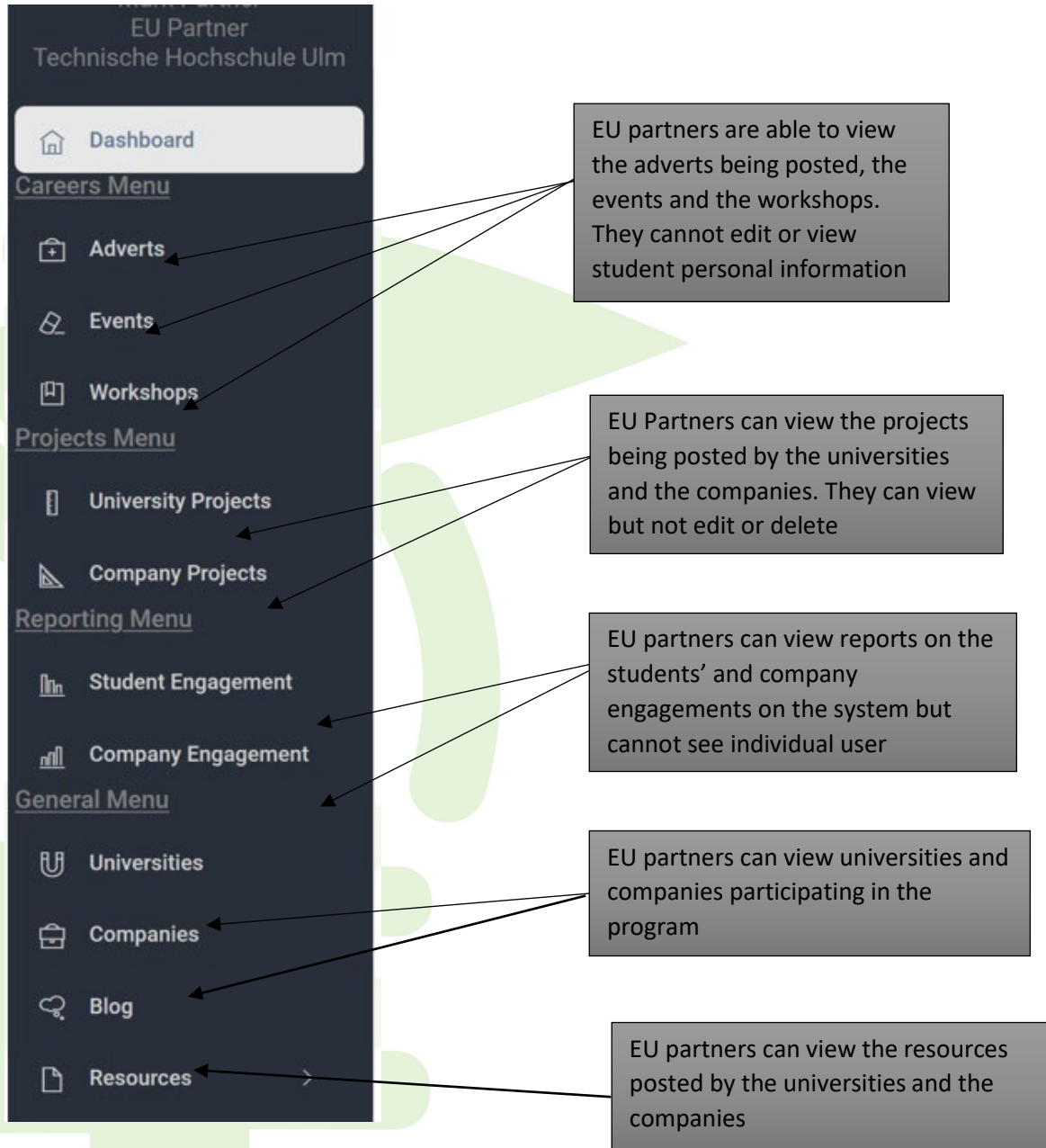


Figure 7: EU collaborates menu

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





# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

## 2.5 Companies have the following functionality:

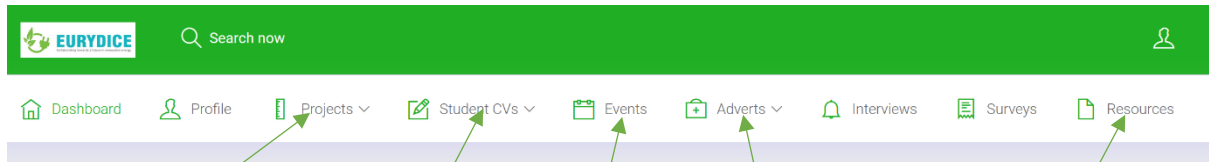


Figure 8: Companies menu

Add projects and view students' submissions

View students' cvs

RSVP to events

Add job adverts and view applicants

Companies can add resources that students can view

## 2.6 Students have the following functionality:

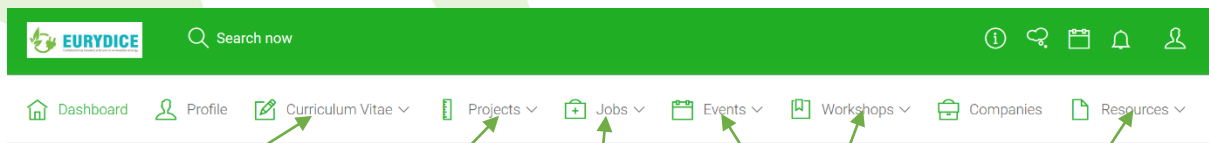


Figure 9: Students functionality

Complete their online cvs and add their transcript

View and add submissions to the projects posted

View and apply for jobs posted

RSVP to events and workshops

View resources posted by the university and companies

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





### 3. Test concept

There are three testing groups namely:

- Industry Partners
- University administrators
- Students

Access to the portal is gained by use of a username and password. Each user is assigned a role and depending on the role, specific information is displayed. For data protection companies cannot see students' personal information unless the students have applied for a job posted by the company. Students cannot see a company's contact information. Only a university staff member can see both student and company details.

### 4. Test cases and test results

Test Case No.	Case	Expected Result	Test Result	Test
1	Industry partner creates an account on the portal	An account is created and administrator is alerted to activate account	An account is created and administrator is alerted to activate account	passed
2	Administrator activates industry partner	An email is sent to industry partner with username and password	An email is sent to industry partner with username and password	passed
3	Industrial partner logs in and places a new job advert	Administrator alerted of new job advert	Administrator alerted of new job advert	passed
4	Administrator for each university publishes job advert to students at his/her specific university	Job advert published to students of that university	Job advert published to students of that university	passed
5	Industry partner uploads new resource	Administrator alerted of new resource	Administrator alerted of new resource	passed
6	Administrator for each university publishes new resource to students at his/her specific university	New resource is shown in the view Resources for students at his/her university	New resource is shown in the view Resources for students at his/her university	passed
7	Industry partner uploads new project	Administrator alerted of new project	Administrator alerted of new project	passed
8	Administrator for each university publishes new	New project is shown in the view	New project is shown in the view	passed

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





# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

	project to students at his/her specific university	projects page for students at his/her university	projects page for students at his/her university	
9	Students create new job advert	Error stating students cannot create new jobs	No link for students to create new job advert. However if you copy the link from the industry partners, paste it and log on as student, it shows an error page	<b>Failed.</b>  Failure will be fixed within a week. Error message stating students cannot add job advert will be displayed as opposed to an error page
10	Students create account	A student account is created and an email is sent to the student's university email address	A student account is created and an email is sent to the student's university email address	Pass
11	Students update profile and cv	Student's cv is created	Student's cv is created	Pass
12	Students add project submissions	Submission is added to a specific project and administrator and industry partner can view submission	Submission is added to a specific project and administrator and industry partner can view submission	Pass
13	Students view resources	Resources page is displayed with all resources published for that specific university	Resources page is displayed with all resources published for that specific university	Pass
14	Administrator views all industry partners	Industry partners page is displayed	Industry partners page is displayed	Pass
15	Administrator of specific university view students of his/her university	Specific university students page displayed	Specific university students page displayed	Pass
16	Students view other students' details	Student cannot view other students' details	Link or functionality not available to students	Pass

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





# EURYDICE

Collaborating towards a future in renewable energy

[eurydice@cut.ac.za](mailto:eurydice@cut.ac.za) | [eurydice.cut.ac.za](http://eurydice.cut.ac.za)

## 5. Concluding remarks

The ELMS is easily accessible by different mediums such as smart phones, tablets and computers. ELMS server is a centralized component and access to it is through web service API calls. Any device with the right authentication protocols and internet service will be able to have access to it. Mobile App for students is currently being developed. The system was built to allow flexibility of different users.

## 6. Contacts

### Project coordinator

THU Ulm University of Applied Sciences (UUAS)

Prittwitzstr. 10

89075 Ulm

Germany

### Work Package Leader

Partner Responsible for WP: P6 –Tshwane University of Technology

Name of the contact person, position: Memane N.P, Lecturer

Address: Staatsartillerie Rd, Pretoria West, Pretoria, 0183

Email: [MemaneNP@tut.ac.za](mailto:MemaneNP@tut.ac.za)

Phone: 012 382 2866

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

