TEAL 2.0 User Guide

Year of last update: 2023

Improving Access to Science and Technology Higher Education in Resource-Poor Institutions through an Open Platform for Technology Enabled Active Learning Environment

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.
Contents

Introduction ................................................................................................................................................. 2

1. Create / Update / Fork content ............................................................................................................. 5
   1.1. Create content .................................................................................................................................... 5
   1.2. Update content .................................................................................................................................... 8
   1.3. Fork content ....................................................................................................................................... 9
   1.4. Content version information update ............................................................................................... 10
   1.5. My content option .......................................................................................................................... 10

2. TEAL Program Structure and Course Creation Tool ............................................................................. 11
   2.1. Program structure ............................................................................................................................ 11
   2.2. Course view ..................................................................................................................................... 13
   2.3. Course creation/edit ......................................................................................................................... 13
   2.4. Course code/name change ............................................................................................................... 15
   2.5. Add/delete course to/from program .............................................................................................. 15
   2.6. Delivery plan .................................................................................................................................... 16
   2.7. ILO to PO Mapping ......................................................................................................................... 16
   2.8. Classroom creation/update ............................................................................................................. 17
   2.9. Admin panel ..................................................................................................................................... 19
TEAL 2.0 is a platform that brings together all the means needed for an e-learning system. The platform has three main sections, accessible from the main panel. To use the platform, it must be accessed by means of an account. Please note that only the users with rights of administrators are enabled to create user accounts. Logging in to the platform redirects the user to the main screen - the interface enabling access to the platform’s different facilities. The interface is presented in the next sections of this document.

For the common user, the interface displays three main buttons, each of which leading to a subsection. The next picture shows the general map of the platform, as it is accessible to the common user. Please note that the interface displayed by TEAL 2.0 will be different depending on the role the user has been granted.

This guide is designed to provide an introduction and explanation of the TEAL 2.0 platform. The primary focus of the guide is on the navigation and features that support the user point of view.

The start page can be found at https://teal2o.pdn.ac.lk/index/
The platform address is https://teal2o.pdn.ac.lk/teal-lrm/.

The interface of the platform is as follows:

These functionalities are available after user login. The login interface is as follows:
The TEAL 2.0 platform consists of three modules:

- Content creation/ fork/ update;
- Course creation/ fork/ update;
- Program creation/ fork/ update.
1. Create / Update / Fork content

After login, the user can opt to creation, update and fork the content.

Content is characterized by classification label, Intended Learning Outcomes (ILOs), no. of hours, author. It contains resources, activities and assessments.

1.1. Create content

➔ The user has to create the content. The following selections from drop-down lists need to be made:

- Domain (e.g. (CAH10) engineering and technology)
- Subdomain (e.g. (CAH10-01) engineering)
- Sub subdomain (e.g. (CAH10-01-04) aeronautical and aerospace engineering).

➔ Next, selection of category/name/ competency has to be made:
The content short name and the content name should be filled, too.

After this general information, the intended learning outcomes (according to SOLO taxonomy), the specific verbs and the number of hours should be selected:
A template can be used for interactive content creation:

Example: A video can be inserted into the interactive presentation
1.2. Update content

Once content is created, it can be updated (by its author) or forked (by other users).

➤ As a first step, the user has to look up existing content that they want to update:

➤ The next step is to actually update the content using the platform functionalities.
1.3. Fork content

An option to fork the existing content is available for users who want to use someone else’s content. Once the user has forked the content, they are the author and can edit and update it as needed:

The common modules can be set:
1.4. Content version information update

The option to update version information is also available:

![Update version information](image)

1.5. My content option

The My content option includes all the contents created by the logged user:

![My content](image)
To begin, the user has to create a new course. View Program Structure is the first option.

2.1. Program structure

The Program structure view includes:

- **Program credit distribution**

- **Program depth vs breadth matrix**
The outcomes of study programs

<table>
<thead>
<tr>
<th>Program outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ability to use specific concepts, methods and tools (including software) for the development of new systems and solutions</td>
</tr>
<tr>
<td>2. Ability to use software packages for the design and implementation of computer systems and solutions</td>
</tr>
<tr>
<td>3. Ability to use hardware packages for the design and implementation of computer systems and solutions</td>
</tr>
<tr>
<td>4. Ability to use virtual and real-world manufacturing processes</td>
</tr>
<tr>
<td>5. Ability to select and use measurement and testing equipment</td>
</tr>
<tr>
<td>6. Ability to select and use simulation software packages</td>
</tr>
<tr>
<td>7. Ability to use networks, programming languages, process planning, control and safety assessment methods</td>
</tr>
<tr>
<td>8. Ability to use design and development software packages</td>
</tr>
<tr>
<td>9. Ability to use database management systems, management, and software development tools</td>
</tr>
<tr>
<td>10. Ability to use virtual and real-world manufacturing processes</td>
</tr>
<tr>
<td>11. Ability to select and use measurement and testing equipment</td>
</tr>
<tr>
<td>12. Ability to select and use simulation software packages</td>
</tr>
<tr>
<td>13. Ability to use networks, programming languages, process planning, control and safety assessment methods</td>
</tr>
<tr>
<td>14. Ability to use design and development software packages</td>
</tr>
<tr>
<td>15. Ability to use database management systems, management, and software development tools</td>
</tr>
</tbody>
</table>

Competencies mapping

Delivery plan of the program

<table>
<thead>
<tr>
<th>Semester</th>
<th>S1</th>
<th>S2</th>
<th>S3</th>
<th>S4</th>
<th>S5</th>
<th>S6</th>
<th>S7</th>
<th>S8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credits</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

Program structure (describes beginner, intermediate and advanced courses)

A list of program courses

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.
2.2. Course view

- The option View courses lists all existing courses.

By clicking on a course, all information about it will be displayed:

2.3. Course creation/edit

- This button allows the user to create, update and view a course
A course can be updated after it has been created.
The course creation is completed after the ILOs specification (update section).
The ILOs can be selected from a list.
2.4. Course code/name change

¬ Option to change course code

¬ Option to change course name

2.5. Add/delete course to/from program

¬ An existing course can be added to a study program
2.6. Delivery plan

The summary of credits for each semester is available at Edit delivery plan option.
2.7. ILO to PO Mapping

Mapping intended learning outcomes to program objectives is available at:

The detailed view of ILO to PO mapping is as follows.
The program information section presents a short description of program objectives.

The course information section presents course code, course name, credits and intended learning outcomes.
2.8. Classroom creation/update

→ A classroom can be created or updated

→ A classroom classification list (domain, subdomain and skill classification) is available

→ A list of existing content is available

2.9. Admin panel

Some specific rights are available only for the platform administrator, after the login:
A logout option is available at the home page of the TEAL 2.0 platform

Back to home option returns the starting page of teal2o.pdn.ac.lk