

Tin Can reporting plugin: 'Innovate LearnDash TinCan Reports'

Requirements specification

We require a custom plugin which integrates with Uncanny Owl TinCanny LearnDash reporting and LearnDash LMS plugins.

The plugin will capture SCORM/TinCan data to report on eLearning modules and display the data in a table, and if possible as a pie chart.

We would like to display 3 types of report:

1. All Courses report
2. Course overview report
3. User report

All Courses Report

The course report will display a list of all courses within the LMS. Each course name will act as a link to open the 'Course Overview' report.

The 'All Courses' report will display the following data:

- Course Name (link)
- Number of enrolled users
- Number of users not started (enrolled with no tin can data)
- Number of in progress users (not attempted and failed)
- Number of completed users (passed)
- Average score
- % of enrolled users complete

Course Overview report

The course overview report will list all users enrolled onto that course, along with each user's current eLearning module status and results.

Each user's name will act as a link to open the 'User Report'.

The 'Course Overview' report will display the following data:

- Full Name
- Group Name
- eLearning Module name (module name from wp_uotincan_reporting table)
- eLearning Module status (passed, failed, not attempted)
- eLearning Module score (passed or failed statuses only)

User Report

The 'User Report' will display the selected user's enrolled courses along with their current eLearning module status and results.

The 'User Report' will display the following data:

- Full name
- Group name
- Course name
- eLearning module status (passed, failed, not attempted)
- eLearning module score (passed or failed statuses only)
- Date of attempt (passed or failed statuses only)

The report will show all enrolled users on a course and if no TinCan data at the time of the report then display that user as 'not attempted'

We would like the report to allow filtering on all data items displayed in the report.

Database tables

Data required for the report can be found in the following locations within the database.

Table Name	Field Name	Details
wp_users	This table stores all users within the WP LMS	
	display_name	User's full name
wp_uotincan_reporting	This table stores all Tin Can data used in the report	
	Group_id	
	User_id	Link to wp_users table
	Course_id	Link to wp_posts table where post_type = "sfwd_courses"
	Lesson_id	
	Module_name	eLearning module name
	Verb	'failed' or 'passed'
	Result	Score (%)
	Stored	Datetime of attempt
	Minimum	Max score '100' (%)
	Completion	1 if 'passed' verb 0 if 'failed' verb
wp_posts	Courses and groups are stored as posts within the LearnDash LMS	
	Post_type	For course = 'sfwd_courses' For group = 'groups'
	Post_title	Course name or group name
learndash_user_activity	This table stores all enrolment data	
	User_id	Link to wp_users
	Post_id	Link to course
	Course_id	= 0 if record is an enrolment
	Activity_type	= 'access' if record is an enrolment
	Activity_started	Datetime of enrolment

UI Design

We like the design of the Uncanny Owl reporting page and would like to replicate this look and feel. The screen shots below are mock-ups of what we would like each report to look like:

All Courses Report

Dashboard

Posts

Media

Pages

Comments

Downloads

Activity

Emails

Appearance

BuddyBoss

Plugins

Users

Tools

Settings

Innovate TinCan Reports

innovate
a jsp solutions company

LearnDash TinCan Reports

Course Report User Report

Overview

TOTAL COURSES
59

TOTAL USERS
104

Filters

User & Group

LearnDash Group: All Groups

User: User

Content

Course: All Courses

Module: All Modules

Date Range

View: All Dates

From: Start Date

To: End Date

Reset Search

CSV Export

Course

Enrolled

Not Started

In Progress

Completed

Avg Score

% Complete

Treating Customers Fairly

Going for Goal!

The Laws and Ethics of Selling

Beliefs of Excellence

Happy Talk

Meeting Preparation

Self Evaluation

Agreeing Expectations

Building Rapport

Behavioural Styles & Sensory Language

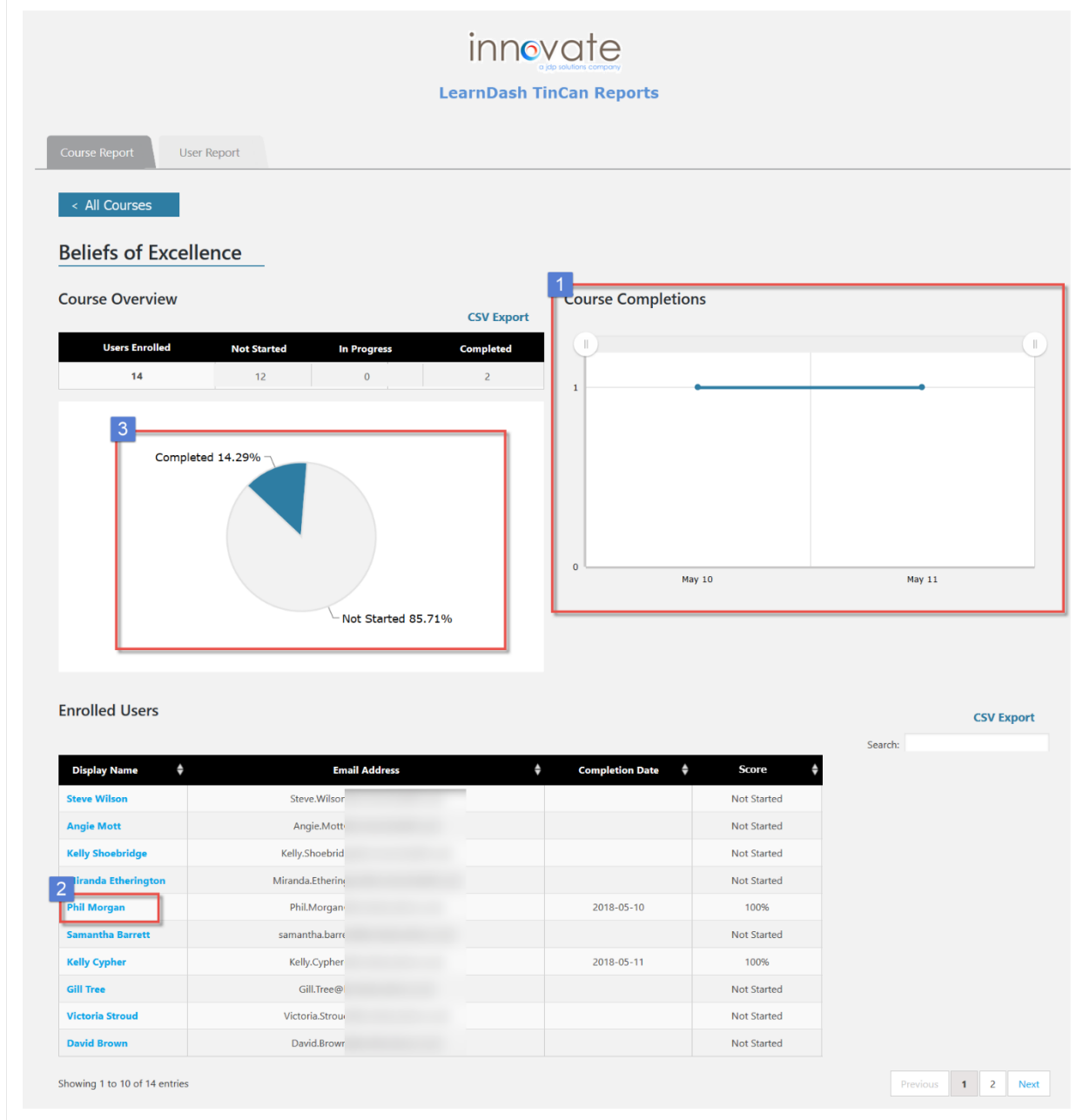
Showing 1 to 10 of 59 entries

Previous 1 2 3 4 5 6 Next

1. Plugin link available within WordPress admin menu
2. Tabs for Course and User reports - this screen is visible when 'Courses' tab is selected
3. Summary information
4. Filters
5. CSV Export option
6. Course names act as links to Course Overview Report

Course Overview Report

When you click on a course name from the All Courses report you are taken to the following page:



1. Bar or Line chart to show how many users have passed the course – utilising Google Charts to display a specific timeframe (e.g. for the last week/month – to be confirmed)
2. Names are links to the User Report
3. Pie chart to show how many users have passed/not started/in progress

User Report

When you click on the 'Users' tab you are taken to the following page, which shows a list of all users:

The screenshot shows the 'Users' report page. At the top, the 'innovate' logo is displayed with the tagline 'a jpb solutions company' and the text 'LearnDash TinCan Reports'. Below the logo, there are two tabs: 'Course Report' and 'User Report', with 'User Report' being the active tab. The page title is 'Users'. On the right side, there is a 'CSV Export' link and a search bar. The main content area contains a table with two columns: 'Display Name' and 'Email Address'. The table lists 10 users, with the first user being 'salesactadmin' and the last being 'Jens Parlitz'. Below the table, it says 'Showing 1 to 10 of 104 entries'. At the bottom right, there are pagination controls: 'Previous', '1', '2', '3', '4', '5', '...', '11', and 'Next'.

Display Name	Email Address
salesactadmin	dave
Lorna Leck	lorna.
Clare DeMarco	clare.de
John Douch	john.d
Sophie Steel	sophie
Ann Affiliate	suppo
Test user	julie
Jens Kalender	J.kalend
Nitsan Mor	Nitsan.m
Jens Parlitz	j.parlitz

When you click on a User's name from within the 'Course Overview' report, or when you click on a users name from the page shown above, you are taken to the following report:

The screenshot shows the 'User Profile' report page. At the top, the 'innovate' logo is displayed with the tagline 'a jpb solutions company' and the text 'LearnDash TinCan Reports'. Below the logo, there are two tabs: 'Course Report' and 'User Report', with 'User Report' being the active tab. The page title is 'Profile'. On the left side, there is a '1' in a blue box next to the name 'Phil Morgan', which is highlighted with a red box. Below the name, it says 'ID: 99' and 'Email: Phil.Morgan'. On the right side, there is a 'CSV Export' link. The main content area contains two sections: 'Overview' and 'User's Course List'. The 'Overview' section has a table with four columns: 'Courses Enrolled', 'Not Started', 'In Progress', and 'Completed'. The values are 3, 2, 0, and 1 respectively. The 'User's Course List' section has a table with three columns: 'Course', 'Score', and 'Completion Date'. The table lists three courses: 'Beliefs of Excellence' (100%, 2018-05-10), 'Types of Objections', and 'Prospect Nurturing'. Below the table, it says 'Showing 1 to 3 of 3 entries'. At the bottom right, there are pagination controls: 'Previous', '1', and 'Next'.

Courses Enrolled	Not Started	In Progress	Completed
3	2	0	1

Course	Score	Completion Date
Beliefs of Excellence	100%	2018-05-10
Types of Objections		
Prospect Nurturing		

1. Link takes you to the edit profile page