D-VETYA PROJECT

Final Version of Monitoring & Evaluation System

Deliverable Description Sheet

Deliverable: D8 – Final Version of Monitoring & Evaluation System

Due Date: Month 20 (31st August 2024)

Actual Completion Date: 28-08-2024

Work Package Concerned: WP 4 – Improvement of the Young Africa Monitoring & Evaluation System

Deliverable Type: R - Report

Dissemination Level: <mark>This resource is available at these links.</mark>
PU – Public (shared on project websites – https://serve.ie/digital-vet-youngafrica/ and https://youngafrica.org/en/project/digital-vocational-education-and-training-for-young-africans/)
The eLearning Platform is shared with Young Africa affiliates and participating dissemination partners.

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Contents

1. BACKGROUND

The Digital VET for Young Africans (D-VETYA) project will be implemented by SERVE and Young Africa (YA). The project timeframe is January 2023 to December 2024. SERVE is an international development NGO based in Ireland. YA are a federation of independent NGOs and includes YA International Netherlands, YA International Africa Hub Trust (Zimbabwe), YA Zimbabwe, YA Mozambique, YA Zambia and YA Namibia. YA have a dissemination network with 23 organisations across 11 African countries whereby it shares successful models of its work. YA provide holistic and accredited VET to marginalised youth through 6-12 month training courses in 46 disciplines, life skills, entrepreneurship and ICT.

The objectives of the D-VETYA Project are (1) Coordinating implementation of the Project Workplan and achievement of Project Deliverables; (2) YA's eLearning Platform available for 8,150 disadvantaged youth across southern and Eastern Africa; (3) YA's Postgraduate Service Toolbox (PGST) contributes to a substantial increase in the percentage of YA graduates in employment; (4) 4 YA Affiliates and 23 dissemination partners using the PGST across Africa; (5) 2 new YA models (eLearning & PGST) integrated into YA MEL system and 73 YA and dissemination partner staff trained in MEL system leading to improved data driven performance; (6) Evaluate the impact, successes, challenges and lessons learned of the Project; and (7) Increase awareness about Digital VET in Africa amongst 50 policymakers and 3,500 members of the public in Ireland and the Netherlands.

There are five Work Packages – (1) Coordination and Management; (2) Development of the YA eLearning Platform; (3) Development of the YA Postgraduate Service Toolbox (4) Improvement of the YA Monitoring Evaluation and Learning System; (5) Impact and Dissemination. SERVE is the Coordinator, YA International (YA NL and YA Hub) are Beneficiaries, and the four YA Affiliates are Affiliated Entities. YA's dissemination network will also benefit.

2. OVERVIEW OF MEL APPROACH

The Young Africa eLearning Platform is available at https://yaelearning.org/. When fully developed, it will host the following digital VET courses – (1) Catering; (2) Welding; (3) Hairdressing; (4) Facility Management; (5) Baking; (6) Solar PV Installation; (7) Entrepreneurship; (8) Life Skills; (9) Garment Construction; (10) Microsoft Office Management; (11) Auto Electronics; (12) Panel Beating & Spray Painting; (13) Beauty Therapy; (14) Motor Vehicle Management; (15) Electronics; and (16) eLearning Capacity Building Programme (Training Material for YA/Dissemination Partner Staff & Teachers).

The Monitoring & Evaluation and Learning (MEL) requirements of Young Africa have been integrated into the eLearning Platform, to boost data driven performance across the YA network. The work has been completed by Spur Technologies in Uganda (https://spurtechnologies.com) who are developing the eLearning Platform.

As noted in correspondence with EACEA during the Year 1 period, and in the periodic report, SERVE and Young Africa decided to combine the MEL work of Work Package 4, with the technical work being done by Spur Technology on WP 2 (eLP Development). This decision was taken to maximise the integration of Young Africa's MEL requirements.

The eLearning Platform will provide Young Africa with a significant amount of highly customisable data that is presented in the next 3 sections:

- System level data - which gives Young Africa the scope to review a wide range of system wide data, learner specific performance and information; and course specific performance and information. All data can be customised to provide Young Africa with the information it requires - see **Section 3 and 4**
- Individual learner level data – to provide important baseline information aligned with YA's monitoring requirements – see **Section 5**
- Individual evaluation and feedback mechanisms to promote evaluation and learning for Young Africa – See **Section 6**

Please note that in order to comply with GDPR requirements and EACEA guidance, we have redacted all references to personal details (names, email addresses) within the screenshots below.

This report will demonstrate the system via screenshots. A training manual and training videos are available (reported on as part of Deliverable 7). Please also note that the screenshots are based on data from the development and testing phase. As new users are signed up before the end of 2024, the level of data available will increase. The purpose of the screenshots is to show the type of information that the system generates for Young Africa. This MEL approach is in place to be available to YA Affiliates and its dissemination partners.

SPUR Technologies are creating an online training course based on the Platform M & E Manual, that will be used for training current and future MEL officers at YA and dissemination partners on how to access and extract information from the platform.

3. SYSTEM LEVEL MONITORING SYSTEM

The MEL model that is integrated into the eLearning Platform will provide Young Africa with the opportunity to monitor usage of the system, performance of students at a universal and individual level, status of course completion at a universal and individual level and data related to staff and trainers usage of the Platform.
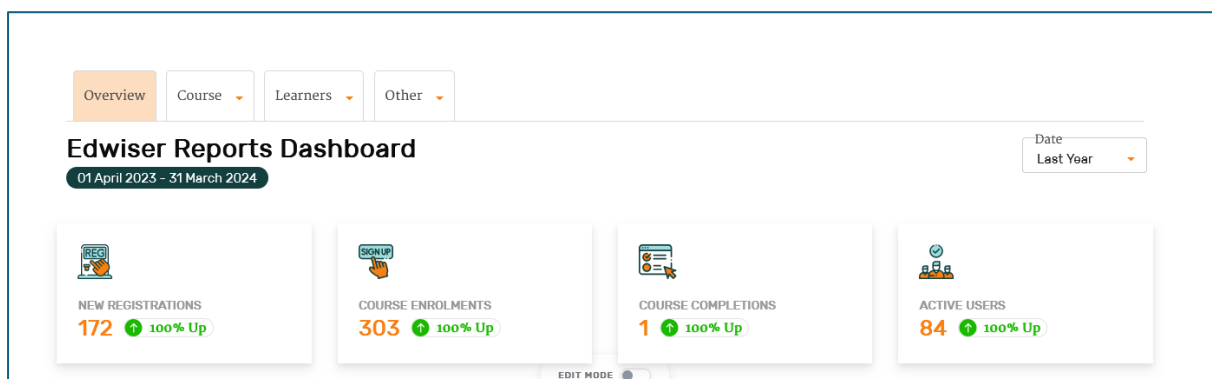
This data is available through the 'Reports & Analytics' section of the eLearning Platform. It is available to those with Manager level access.
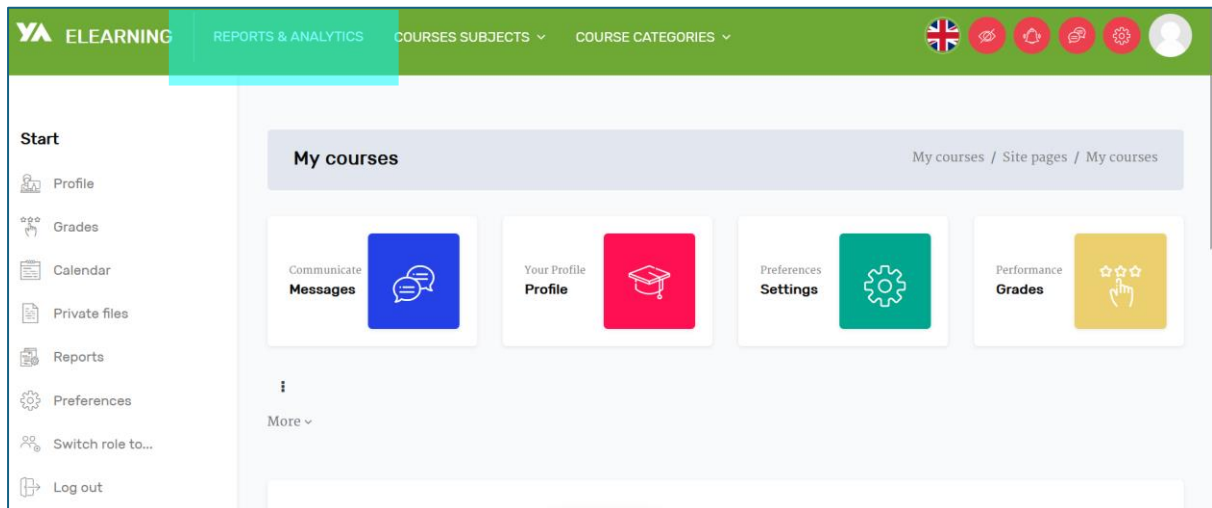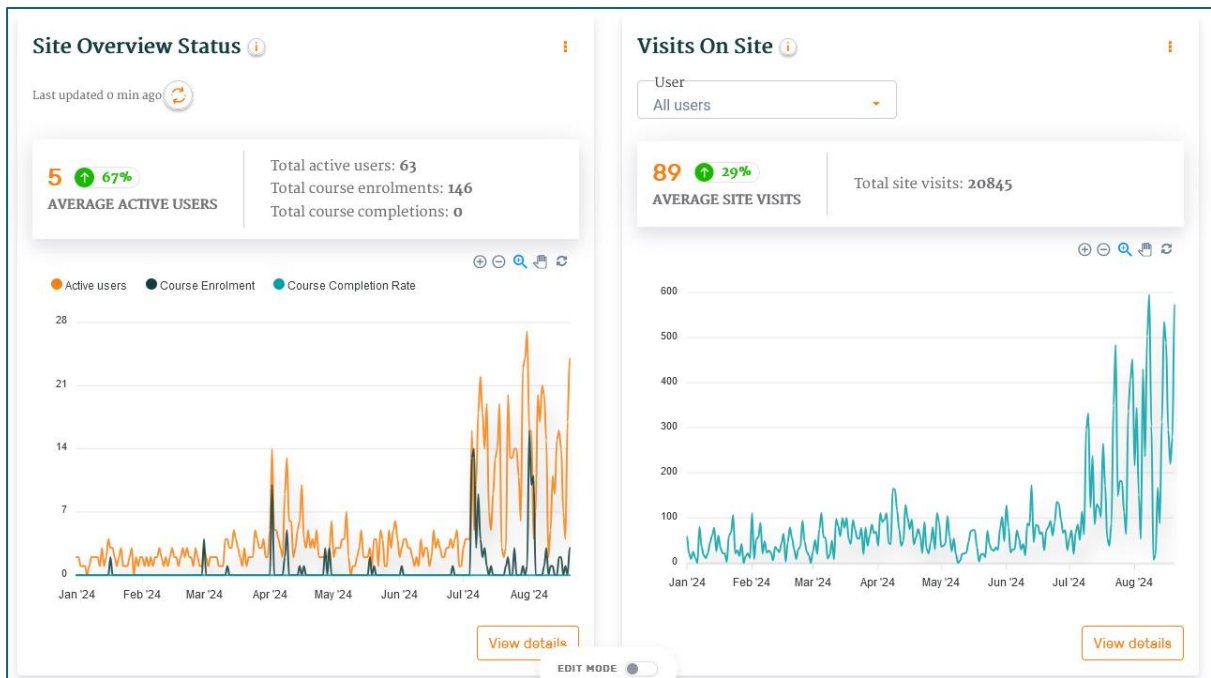

There are 4 sections to the Reports & Analytics section – (1) Overview; (2) Course; (3) Learners; (4) Other
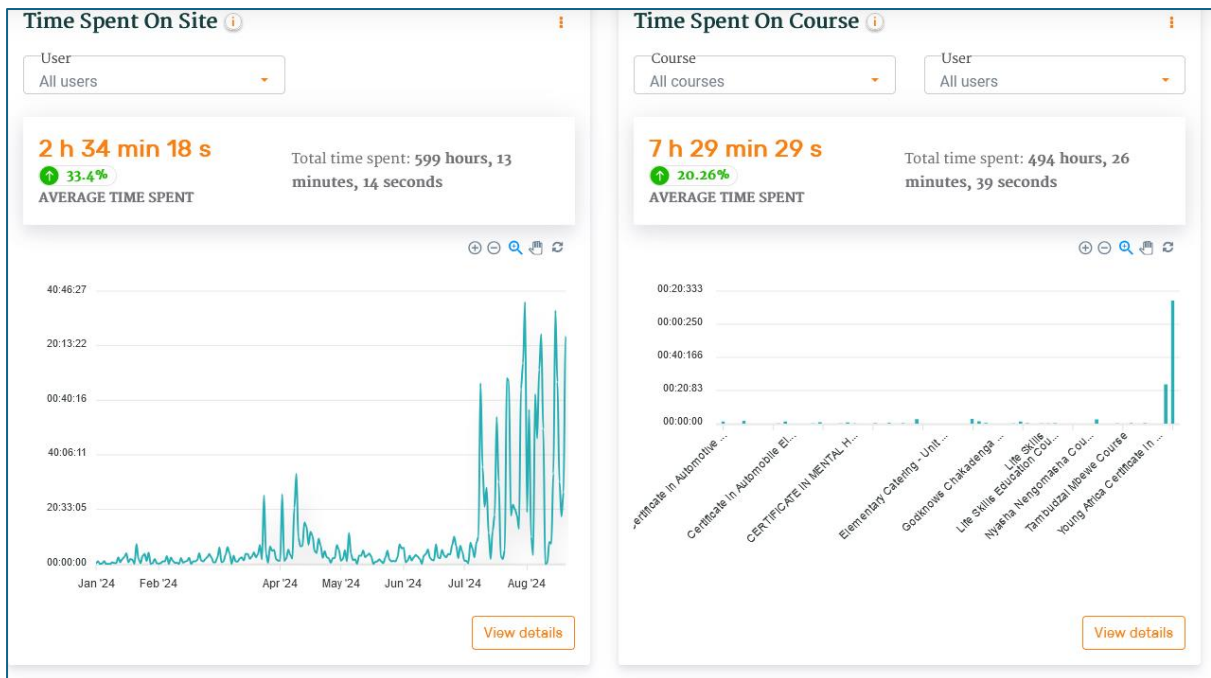
3.1 Overview Section

This section provides a one page overview of key performance information regarding the eLearning Platform. All data can be adjusted by date. Any report required by Young Africa can be created. All the reports created under the custom section are added to the bottom on the overview page and then can be downloaded from there.
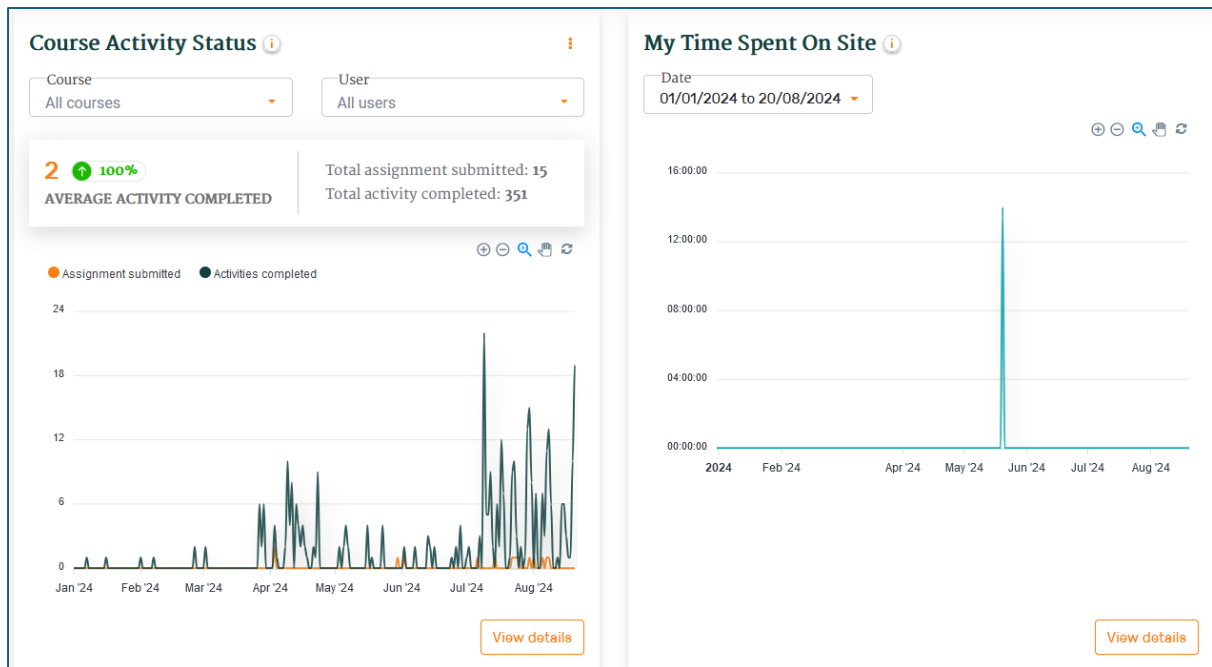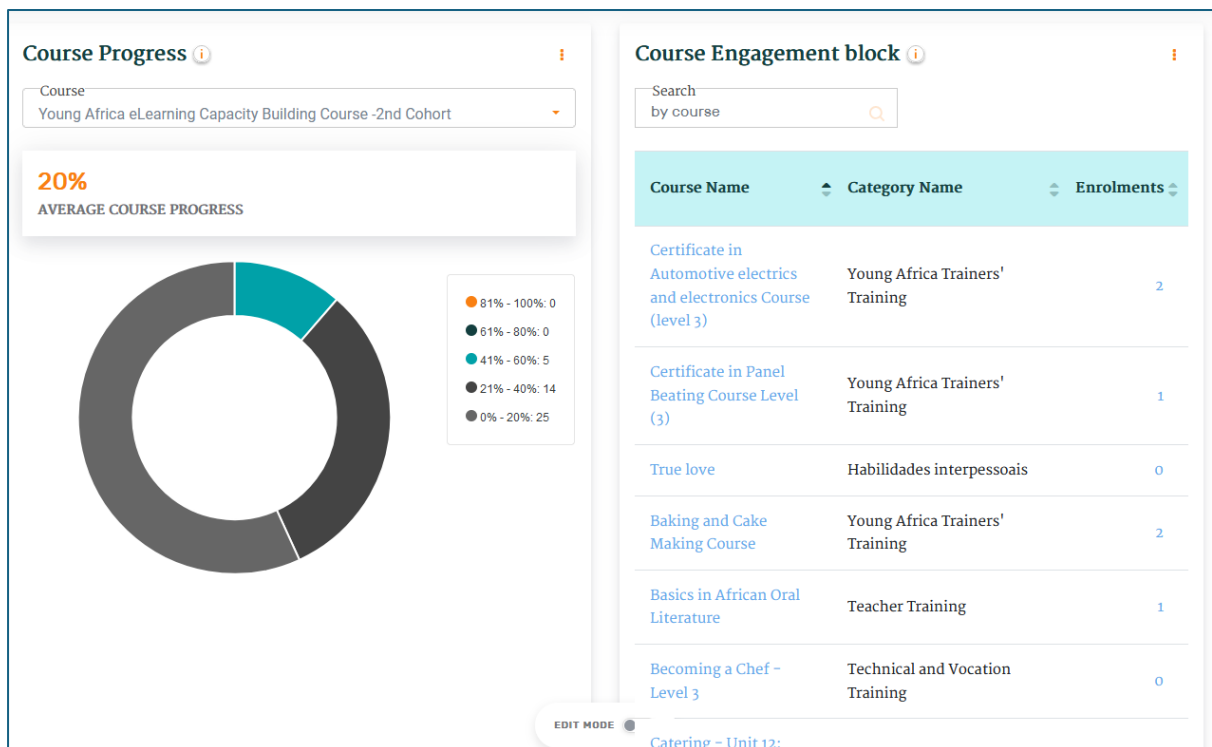
Site Overview Status + Visits on Site

Site Overview Status ⓘ

Last updated 0 min ago

5 ↑ 67%
AVERAGE ACTIVE USERS

Total active users: **63**
Total course enrolments: **146**
Total course completions: **0**

● Active users ● Course Enrolment ● Course Completion Rate

Visits On Site ⓘ

User
All users

89 ↑ 29%
AVERAGE SITE VISITS

Total site visits: **20845**

View details

EDIT MODE

View details

Time Spent on Site + Time Spent on Course

Time Spent On Site ⓘ

User
All users

2 h 34 min 18 s
↑ 33.4%
AVERAGE TIME SPENT

Total time spent: **599 hours, 13 minutes, 14 seconds**

View details

Time Spent On Course ⓘ

Course
All courses

User
All users

7 h 29 min 29 s
↑ 20.26%
AVERAGE TIME SPENT

Total time spent: **494 hours, 26 minutes, 39 seconds**

View details

Course Activity Status + My Time Spent on Site

Course Activity Status ⓘ   ⋮

Course
All courses ▾

User
All users ▾

2 ⬆ **100%**
AVERAGE ACTIVITY COMPLETED

Total assignment submitted: **15**
Total activity completed: **351**

⊕ ⊖ 🔍 🖐 ↻

● Assignment submitted   ● Activities completed

24

18

12

6

0
Jan '24 Feb '24 Mar '24 Apr '24 May '24 Jun '24 Jul '24 Aug '24

[View details]

My Time Spent On Site ⓘ

Date
01/01/2024 to 20/08/2024 ▾

⊕ ⊖ 🔍 🖐 ↻

16:00:00

12:00:00

08:00:00

04:00:00

00:00:00
2024   Feb '24   Apr '24   May '24   Jun '24   Jul '24   Aug '24

[View details]

Course Progress + Course Engagement Block

Course Progress ⓘ   ⋮

Course
Young Africa eLearning Capacity Building Course -2nd Cohort ▾

20%
AVERAGE COURSE PROGRESS

● 81% - 100%: 0
● 61% - 80%: 0
● 41% - 60%: 5
● 21% - 40%: 14
● 0% - 20%: 25

Course Engagement block ⓘ   ⋮

Search
by course 🔍

Course Name ⇕	Category Name ⇕	Enrolments ⇕
Certificate in Automotive electrics and electronics Course (level 3)	Young Africa Trainers' Training	2
Certificate in Panel Beating Course Level (3)	Young Africa Trainers' Training	1
True love	Habilidades interpessoais	0
Baking and Cake Making Course	Young Africa Trainers' Training	2
Basics in African Oral Literature	Teacher Training	1
Becoming a Chef – Level 3	Technical and Vocation Training	0
Catering – Unit 12:	Teacher Training	

EDIT MODE ⬤

Popular Courses + Certificate Stats

Popular Courses ⓘ

Search
by course

Rank	Course Name
1 🏆	Entrepreneurship
2 🏆	Elementary Catering Module
3 🏆	Young Africa eLearning Capacity Building Course –2nd Cohort
4	Welding Techniques Module
5	Young Africa eLearning Capacity Building Course
6	Life Skills
7	Elementary Catering – Unit 13: Prepare Pasta, Farinaceous and Egg Dishes
8	Elementary Catering – Unit 8: Prepare Sauces
9	Elementary Catering – Unit 6: Methods of Cooking
10	Elementary Catering – Unit 14: Cakes and Scones

Certificates Stats ⓘ

Search
by certificates

Name	Course	Issued	Not Issued
	There is no certificate created		

Real Time Users + Site Access Information

Real Time Users ⓘ

Search
by user

Full Name	Online Since	Status
	22 hours 2 mins	Inactive
	21 hours 8 mins	Active
	20 hours 45 mins	Inactive
	17 hours 49 mins	Inactive
	16 hours 37 mins	Inactive
	15 hours 52 mins	Inactive
	2 mins 46 secs	Active

Site Access Information ⓘ

Least Busy ▮▮▮▮▮▮▮▮▮▮ Most Busy

Daily Activities + Inactive Users List
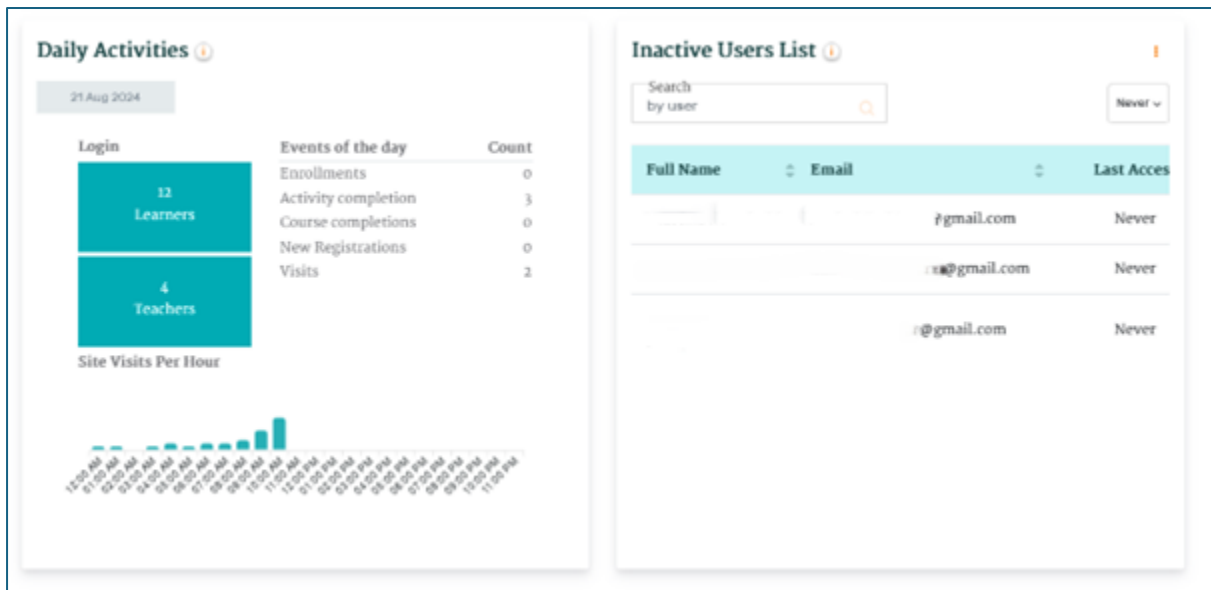
Grades (each course is selectable)
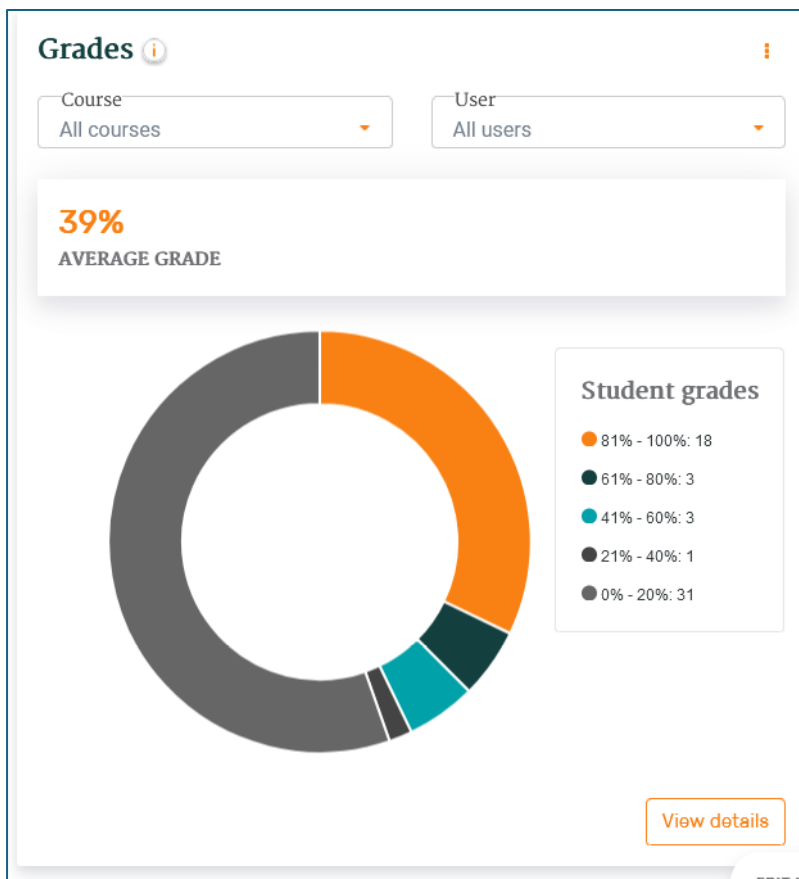
3.2 Course Section

This section focuses on a range of course specific data, allowing YA to closely monitoring performance levels of each course on the eLearning Platform. There are 4 sections – All Courses Summary; Course Activities Summary; Course Activity Completion; Course Completion

3.2.1 All Courses Summary (showing a selection of the available courses)

3.2.2 Course Activities Summary (taking Certificate in Automative Electrics and Electronics Course Level 3 as an example)

Activity		Type	Status	Learners Completed	Completion Rate	Max Grade	Pass Grade	Average Grade	Highest Grade	Lowest Grade	Total Time Spent
Alternators	🔍	Text and media area	Not yet started	0	0	0	0	0	0	0	00:00:00
Announcements	🔍	Forum	Not yet started	0	0	0	0	0	0	0	00:01:12
Applying safety and health in the…	🔍	URL	Not yet started	0	0	0	0	0	0	0	00:00:00
Automotive Alternator	🔍	Text and media area	Not yet started	0	0	0	0	0	0	0	00:00:00
Automotive car heating system	🔍	Text and media area	Not yet started	0	0	0	0	0	0	0	00:00:00
Heating System	🔍	Text and media area	Not yet started	0	0	0	0	0	0	0	00:00:00
Horn circuit	🔍	URL	Not yet started	0	0	0	0	0	0	0	00:00:00
ignition system	🔍	Text and media area	Not yet started	0	0	0	0	0	0	0	00:00:00
ignition system	🔍	Text and media area	Not yet started	0	0	0	0	0	0	0	00:00:00

EDIT MODE ⬤

Course Activities Summary (taking Elementary Catering Course – Portuguese, as an example)

Course Activities Summary

Showing Data For: **All Time**

Date: Enrollments
All Time ▾

Course & Categories
Elementary Catering Course (Port… ▾

Section
All sections ▾

Activity
All modules ▾

Category : Formação Técnica e Profissional
Elementary Catering Course (Portuguese)

Total visits : 1899   **Avg. visits :** 380   **Total time spent :** 08:52:11   **Avg. time spent :** 01:46:26

📋 **7** Total sections   📋 **106** Total activities   % **0.38%** Avg. progress

Search
by activity 🔍

Exclude
Exclude

EDIT MODE ⬤

Show
10 ▾   ⋮

12

Activity	Type	Status	Learners Completed	Completion Rate	Max Grade	Pass Grade	Average Grade	Highest Grade	Lowest Grade	Total Time Spent
Announcements	Forum	Not yet started	0	0	0	0	0	0	0	00:00:00
Avaliação Progressiva 14.1:...	File	Not yet started	0	0	0	0	0	0	0	00:00:00
Avaliação Progressiva 14.2 pa...	File	Not yet started	0	0	0	0	0	0	0	00:00:00
Avaliação Progressiva 14.3 pa...	File	Not yet started	0	0	0	0	0	0	0	00:00:00
Avaliação Progressiva 16.1:...	File	Not yet started	0	0	0	0	0	0	0	00:00:00
Bem-vindo à unidade: "Bolos de...	Forum	Not yet started	0	0	0	0	0	0	0	00:00:00
Discussão no Fórum & Revisão por Pare...	Forum	Not yet started	0	0	0	0	0	0	0	00:00:00
END OF UNIT 14: CAKES AND SCON...	Text and media area	Not yet started	0	0	0	0	0	0	0	00:00:00
END OF UNIT 16: YEAST DOUGH	Text and media area	Not yet started	0	EDIT MODE	0	0	0	0	0	00:00:00

3.2.3 Course Activity Completion (taking Certificate in Automative Electrics and Electronics Course Level 3 as an example). This gives information about pass grades, average grades, highest grade, lowest grade etc.

Course Activity Completion

Showing Data For: All Time

Date: Enrollments
All Time

Course & Categories
Certificate in Automotive electrics... ▾

Activity
Announcements ▾

Course : Certificate in Automotive electrics and electronics Course (level 3)
Announcements

Total visits : 3   **Avg. visits :** 2   **Total time spent :** 00:01:12   **Avg. time spent :** 00:00:36

0% Pass grade	0 Avg. grade	0 Highest grade	0 Lowest grade	0% Completion rate

13

3.2.4 Course Completion (taking Certificate in Automative Electrics and Electronics Course Level 3 as an example)

Course Completion (taking Elementary Catering Course – Portuguese, as an example)

3.3 Learners Section

This section focuses on a range of learner specific data, allowing YA to closely monitor individual or group learner performance. There are three sections – (1) All Learner Summary; (2) Learner Course Progress; (3) Learner Course Activities.

3..3.1 All Learner Summary (showing Learner performance per course)

3.3.2 Learner Course Progress (showing individual learner progress)

Course	Status	Enrolled On	Completed On	Last Access	Progress	Grade	Total Activities		Completed Activities	Attempted Activities	Visits
Certificate in Automotive…	Not yet started	18 Aug 2024	–	19 Aug 2024 04:46 PM	0%	0	0	🔍	0	5	31
Baking and Cake Making Course	Not yet started	9 Aug 2024	–	19 Aug 2024 05:36 PM	0%	0	0	🔍	0	1	36
Catering – Unit 4: Meal Planning	Not yet started	14 Jun 2023	–	14 Jul 2023 11:55 AM	0%	0	1	🔍	0	1	62
Certificate in Computer…	Not yet started	25 Jul 2024	–	19 Aug 2024 07:14 AM	0%	0	0	🔍	0	0	89
Effective Communicatio…	Not yet started	8 Aug 2024	–	20 Aug 2024 01:37 PM	0%	0	0	🔍	0	6	41
Elementary Catering – Uni…	Not yet started	15 Jun 2023	–	15 Apr 2024 11:54 AM	0%	0	5	🔍	5	11	177
Elementary Catering – Uni…	Not yet started	15 Jun 2023	–	26 Jun 2024 06:25 PM	0%	0	14	🔍	0	5	64

3.3.3 Learner Course Activities (showing individual level, drilling down into activity level for each course)

Showing 1 to 2 of 2 entries

Activity	Type	Status	Completed On	Grade	Graded On	Attempts	Highest Grade	Lowest Grade	First Access	Last Access
Semana 1: Quebra-cabeça de Palavras Cruzadas sobre Termos Básicos Associados a Massas de Levedura.	H5P	Completed	24 Oct 2023	0	24 Oct 2023	1	0	0	24 Oct 2023 07:05 PM	27 Oct 2023 05:53 AM
Semana 1: Recursos de Aprendizagem sobre Introdução a Alimentos e Bebidas (F&B)	H5P	Completed	2 Nov 2023	10	2 Nov 2023	1	10	10	28 Oct 2023 10:04 AM	17 Apr 2024 03:02 AM

3.4 Other Section

There are two sections – (1) Site Overview Status; and (2) Certificate Stats.

3.4.1 Site Overview Status

Site Overview Status

Search: by date

Date: Last Month

Show: 10

Showing 1 to 10 of 31 entries

Date	No. Of Active Users	No. Of Enrollments	No. Of Completions
31 Jul 2024	27	1	0
30 Jul 2024	24	0	0
29 Jul 2024	23	1	0
28 Jul 2024	6	0	0
27 Jul 2024	11	0	0
26 Jul 2024	14	0	0
25 Jul 2024	14	2	0
24 Jul 2024	13	0	0
23 Jul 2024	13	0	0
22 Jul 2024	20	EDIT MODE 2	0

3.4.2 Certificate Stats

Overview   Course ⌄   Learners ⌄   Other ⌄

Certificates Stats

Search: by certificates

Show: 10

Showing 0 to 0 of 0 entries
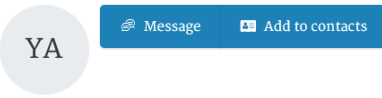
User Name	User Email	Date Of Issue	Date Of Enrolment	Grade	Course Progress
		No certificates are awarded			

4. SYSTEM LEVEL MONITORING - COURSE SPECIFIC DATA

In addition to the Course data available through the Reports and Analytics section, Young Africa can secure the following information from each individual course – (1) Competency Breakdown; (2) Insights; (3) Logs; (4) Live logs; (5) Activity Report; (6) Overview Statistics; (7) Course Participation; (8) Activity Completion; (9) OpenAI Chat Logs.

4.1 Competency Breakdown

4.2 Insights

4.3 Logs

Logs ▾

Choose which logs you want to see:

| Elementary Catering Module ⬍ | All participants ⬍ | All days ⬍ |
| All activities ⬍ | All actions ⬍ | All sources ⬍ | All events ⬍ | ⓘ |

Get these logs

4.4 Live Logs

Live logs ▾

Live logs from the past hour (Updates every 60 seconds)

Pause live updates

Time	User full name	Affected user	Event context	Component	Event name	Description	Origin	IP address
21 August 2024, 11:49:16 AM		-	Course: Elementary Catering Module	System	Prediction process started	The user with id '193' has started 'predictiondetails' action for the prediction with id '3256'.	web	95.44.66.156
21 August 2024, 11:48:58 AM		-	Course: Elementary Catering Module	System	Insights viewed	The user with id '193' has viewed model '5' insights in context with id '32'	web	95.44.66.156

4.5 Activity Report

Activity report ▾

> **Filter**

Computed from logs since Thursday, 25 May 2023, 4:16 PM.

Activity	Views	Related blog entries	Last access
🗐 Announcements	8 views by 6 users	-	Saturday, 22 July 2023, 6:37 PM (1 year 30 days)
🗐 Welcome to Our Online Catering Course! Introductions	214 views by 13 users	-	Tuesday, 20 August 2024, 8:36 AM (1 day 3 hours)
Elementary Catering Module Overview			
Elementary Catering Module Overview	43 views by 10 users	-	Tuesday, 20 August 2024, 4:46 PM (19 hours 5 mins)
Unit 1: An Overview of the Catering Industry			

EDIT MODE ⬤

4.6 Overview Statistics

Elementary Catering Module – Overview statistics

My courses / Course ad... / Reports / Overview s...

Course | Settings | Participants | Grades | Reports | More ⌄

Enrolled users

Enrolled users

Last month

Show chart data

EDIT MODE
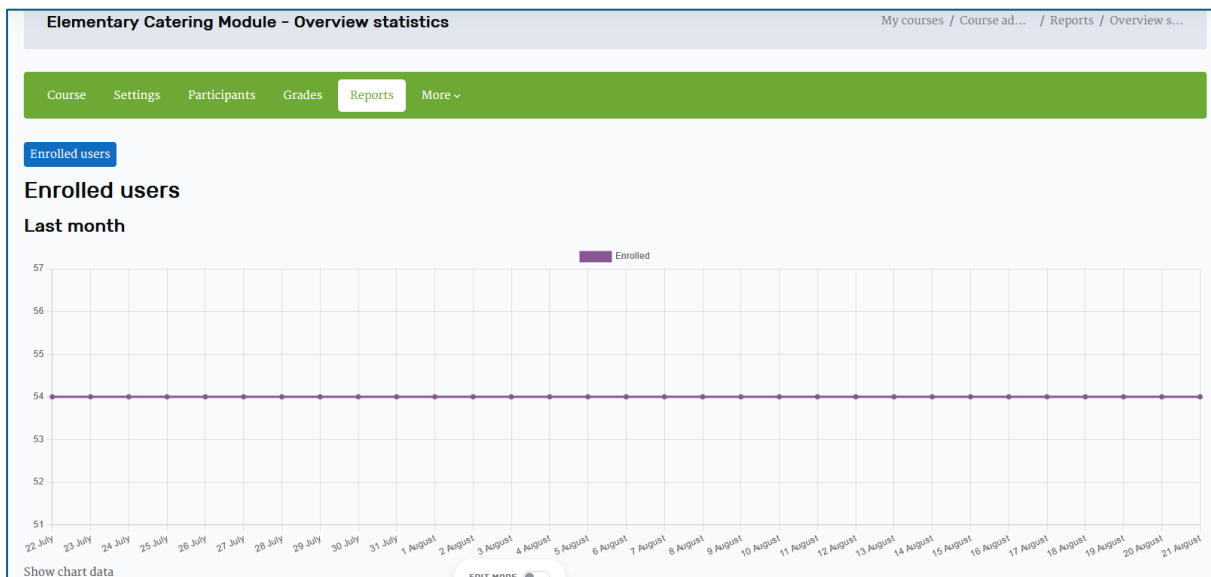
4.7 Course Participation

Elementary Catering Module

My courses / Course ad... / Reports / Course par...

Course | Settings | Participants | Grades | Reports | More ⌄

Course participation ⌄

Activity module Choose... ◆ Look back Choose... ◆ Show only

Manager ◆ Show actions All actions ◆ Go

Groups: All participants

4.8 Activity Completion

Activity completion ˅

Include [All activities and resources ⇕] Activity order [Order in course ⇕] Section [Do not filter by section ⇕]

First name [All] A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Last name [All] A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

(1) 2 3 Next →

First name / Last name	ID number	Email address	Welcome to Our Online ...	Elementary Catering Module ...	An Overview of the Catering...	Hygiene and Safety	Catering Equipment Learning...	Catering Equipment ...	Assignment: Research ...	Meal Planning	WEEK 1: INTRODUCTION TO ...	Week 1: Introduction to ...	Forum Discussion & Peer ...	Reflective Journal Entry – ...	WEEK 2: MEAL PLANNING In ...	Week 2: Meal Planning ...	Exercise 4.5: Meal Planning...	Reflective Journal Entry – ...	END OF UNIT 4: MEAL PLANNING	Unit 5: Food Costing	Food Costing Assignment.	WEEK 1: INTRODUCTION TO ...	Week 1: Introduction to ...	Crossword puzzle exercise – ...
Young Africa		info@yaelearning.org ☑ EDIT MODE ◯	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

4.9 OpenAI Chat Logs

OpenAI Chat Logs

My courses / Course ad... / Reports / OpenAI Ch... / YACATERI... / OpenAI Ch...

Course Settings Participants Grades **Reports** More ˅

Search by user name   Start time   End time

[User name]   [dd / mm / yyyy , -- : -- 📅]   [dd / mm / yyyy , -- : -- 📅]

[Search]

Nothing to display

SECTION 5 – INDIVIDUAL LEARNER MONITORING DATA

As each student signs up to the eLearning Platform, they will complete a questionnaire to gather baseline information linked to key indicators that Young Africa uses to assess the impact of its work with young people. This is compulsory part of the sign up process and will improve efficiency of YA's monitoring process. After inputting personal information, there are two sections – one focusing on economic information and one on life skills information. An automatic email will be sent to graduates six months after they graduate with follow up questions. Young Africa will be easily to add and remove questions as necessary.

5.1 Baseline Economic Questions

5.2 Baseline and Follow Up Life Skills Questions

FEEDBACK
Post Training Survey for Students

Continue

Mode: Anonymous

How do you perceive yourself on the following aspects today?

B6. I am confident about my future ⓘ
- ● Not selected
- ○ 1. Very High
- ○ 2. Average
- ○ 3. Low

How would you rate your knowledge, skills and confidence levels about the following topics

B7. Ability to set personal goals ⓘ
- ● Not selected
- ○ 1. Very High
- ○ 2. Average
- ○ 3. Low

B8. Ability to speak up on issues that matter to you as a young person ⓘ
- ● Not selected
- ○ 1. Very High
- ○ 2. Average
- ○ 3. Low
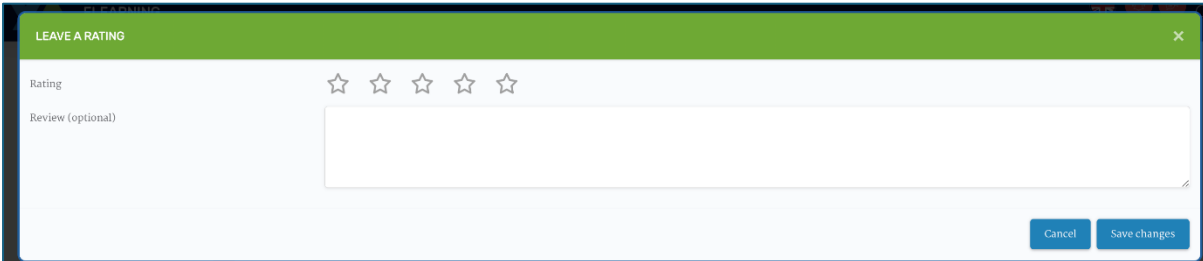
B9. Ability to discuss topics such as sex and relationships ⓘ
- ● Not selected
- ○ 1. Very High
- ○ 2. Average
- ○ 3. Low

SECTION 6 – EVALUATION AND FEEDBACK OF COURSES

Upon completion of a training course, students will have the opportunity to provide evaluation and feedback information. This happens in two ways – (1) Rating and Review of the course; and (2) a course specific evaluation questionnaire which gives students an opportunity to outline the positive, negative and most impactful parts of the training programme. All of this information will be used by Young Africa for learning and improvement of the eLearning Platform training programmes.

6.1 Course Rating and Review
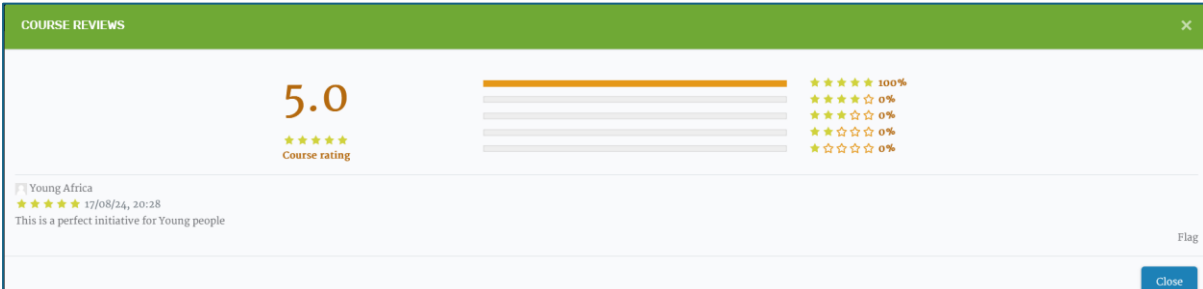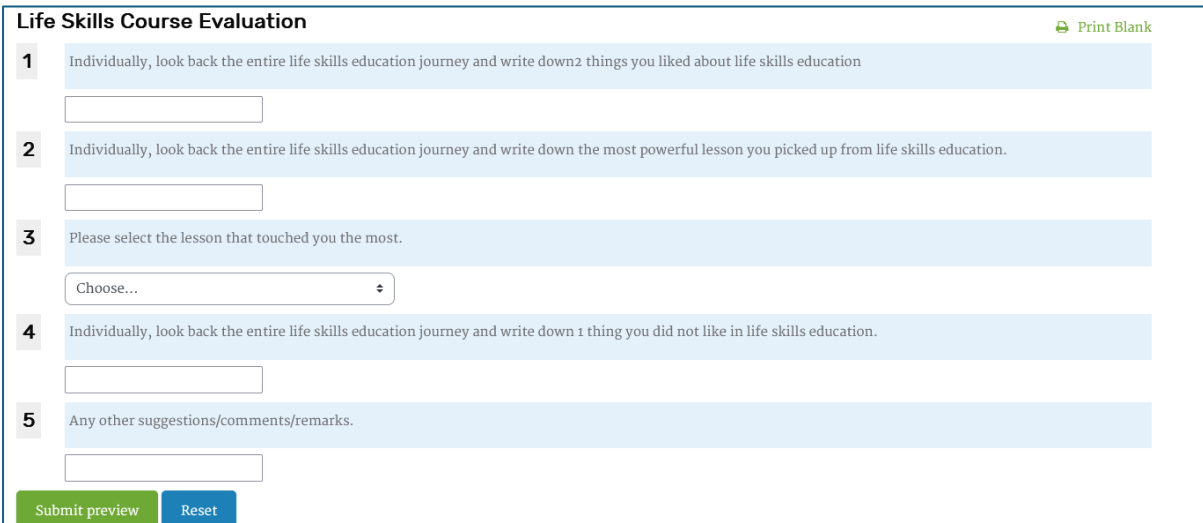
6.2 Course Specific Evaluation Questionnaire (using Life Skills course as an example)