

TVET Industrial Attachment Program (IAP) Liaison book

I. Introduction



Learner's identification

Name:

Trade: **BUILDING CONSTRUCTION**

RQF level: **Five (5)**

School Year :

Learner's contact:

TVET provider

Name of TVET Provider: **BUYOGA TSS**

Phone:

Email Address: **buyogatvetschool@gmail.com**

Location/District: **RULINDO**

Supervisor:

Phone:

Company identification

Name:

Phone:

Email Address:

Location/District:

Sector:

Cell:

Village.....

Company supervisor name:

Company supervisor contact:

The TVET industrial attachment program liaison book is an essential tool for liaise both school and industry during workplace learning. It must be regularly and carefully completed by the TVET learner, company supervisor and TVET teacher as required.

This interactive book serves as an essential document that the learner must always have in his/her possession to record his/her daily performance and progress during industrial attachment program. It should be handed over to the company supervisor for regular checking and to the school supervisor upon visit.

[**This liaison book contains the following**](#)

In this liaison book, you will find 8 different documents:

- The information on trade's competences;
- The learner's attendance sheet that should be signed every day;
- The weekly report sheets filled on daily basis to report the activities performed, the tools and equipment used;
- The Industrial attachment program school supervisor visit form, which will be completed by TVET teacher upon visit;
- The Industrial attachment program (IAP) company supervisor's evaluation form;
- The interview guiding questions which could be taken as reference at the end of the industrial attachment program (IAP) by the panel made of at least 2 teachers and the company supervisor, to assess the performed activities and the industrial attachment program (IAP) gained experience;
- The learner self-assessment sheet, which assesses his/her satisfaction with the industrial attachment program period;
- The industrial attachment program (IAP) participation interview form to guide the learner in preparing the interview.

If you need clarifications on how to use these documents, if a learner is facing any problems during the IAP, headteacher and supervisor are available to provide support. They are both responsible for preparing and following up the IAP implementation.

II. Information on competences

The following table is completed by the TVET school teacher to define the IAP program and specific practices to be performed by the learner as per curriculum.

Starting date _____

ending date _____

No	Specific competences	Activities to carry out
1	Set out a building	<ol style="list-style-type: none"> 1. select tools, materials and equipment 2. clear the site 3. set profiles
2	Make Soil based brick and blocks	<ol style="list-style-type: none"> 1. prepare materials, tools and equipment 2. mix ingredients 3. mould bricks and blocks 4. construct kiln 5. burn bricks 6. perform cooling of bricks/blocks
3	Perform cement based blocks and pavers works	<ol style="list-style-type: none"> 1. Select tools, materials and equipment 2. Fabricate cement blocks 3. Fabricate cement pavers 4. Prepare ground base 5. Lay pavers
4	Construct stones structure	<ol style="list-style-type: none"> 1. prepare materials, tools and equipment 2. prepare the construction site 3. mix mortar 4. erect stone structures 5. conduct clean-up activities
5	Erect bricks and blocks walls	<ol style="list-style-type: none"> 1. select tools, equipment and materials 2. prepare working area 3. prepare mortar 4. elevate brick wall 5. elevate block walls 6. Apply jointing and pointing
6	Perform concrete works	<ol style="list-style-type: none"> 1. Perform preliminary works 2. Erect formwork 3. Mix concrete 4. Cast concrete

		<ol style="list-style-type: none"> 5. Clean the workplace 6. Dismantle the formwork
7	Perform reinforcement steel bars works	<ol style="list-style-type: none"> 1. Perform preliminary works 2. Make steel bar frames 3. Adjust steel bar frames in the formwork 4. Clean tools, equipment and the workplace
8	Perform basic reinforced concrete design (RCD)	<ol style="list-style-type: none"> 1. Interpret structural details 2. Analyse structural members connections 3. Determine forces acting on structural members 4. Design reinforced concrete structural elements
9	Erect scaffolding	<ol style="list-style-type: none"> 1. Perform preliminary works 2. Assemble the scaffolding units 3. Monitor use of scaffolding 4. Dismantle the scaffolding units
10	Construct roof structure	<ol style="list-style-type: none"> 1. Perform roof preliminary works 2. Set out roof 3. Fix roof structure 4. Apply roof coverings
11	Perform cement flooring construction	<ol style="list-style-type: none"> 1. prepare materials, tools and equipment 2. prepare hardcore base 3. prepare concrete 4. perform screeding 5. clean the work place
12	Perform plastering of structure element	<ol style="list-style-type: none"> 1. select tools, equipment and materials 2. prepare working area 3. prepare mortar 4. apply plastering coats
13	Perform Opening fixation	<ol style="list-style-type: none"> 1. select tools, equipment and materials 2. prepare working area 3. install door, window, ventilators and lighting into the opening
14	Perform tile works	<ol style="list-style-type: none"> 1. Prepare the work 2. Prepare mortar 3. Lay tiles 4. Clean the workplace
15	Perform terrazzo works	<ol style="list-style-type: none"> 1. Perform preliminary works

		<ol style="list-style-type: none"> 2. Produce precast terrazzo tiles 3. Install pre-casted terrazzo tile 4. Cast terrazzo on the floor 5. Apply terrazzo on wall 6. Close terrazzo works
16	Apply construction basic welding	<ol style="list-style-type: none"> 1. Prepare the work 2. Perform arc welding 3. Perform oxy acetylene gas welding
17	Demonstrate basics of plumbing	<ol style="list-style-type: none"> 1. Prepare materials, tools and equipment 2. Demonstrate basics of pipe connection 3. Demonstrate basics of sanitary appliances
18	Basics knowledge of domestic electricity	<ol style="list-style-type: none"> 1. prepare materials, tools, equipment and PPE 2. apply basic domestic electricity installation 3. perform basic testing of electrical circuits
19	Install ceiling	<ol style="list-style-type: none"> 1. Manage Construction-Site Documents 2. Set out ceiling frame 3. Construct Ceiling frame 4. Install ceiling covering material
20	Perform building acoustic and thermal insulations	<ol style="list-style-type: none"> 1. Perform preliminary works 2. Construct sound proof elements 3. Install thermal insulation system
21	Perform ornamental finishing works	<ol style="list-style-type: none"> 1. Perform cladding installation 2. Install glass 3. Apply paint coats
22	Apply basics of AutoCAD	<ol style="list-style-type: none"> 1. Describe AUTOCAD software 2. Create drawings 3. Plot drawings
23	Apply ArchiCAD software	<ol style="list-style-type: none"> 1. Prepare ArchiCAD software environment 2. Produce ArchiCAD drawings 3. Print out ArchiCAD drawings
24	Quantify construction works	<ol style="list-style-type: none"> 1. Interpret construction drawings 2. Determine required resources in the construction site 3. Perform site data collection and reporting

25	Manage Construction Site	<ol style="list-style-type: none"> 1. Manage Construction-Site Documents 2. Conduct Construction Management activities 3. Prepare Contract 4. Manage Contract
----	--------------------------	---

TVET provider Signature and Stamp

III. Learner's attendance sheet

© 2019 Pearson Education, Inc. All Rights Reserved. May not be copied, scanned, or duplicated, in whole or in part. Due to electronic rights, some third party content may be suppressed from the eBook and/or eChapter(s). Editorial review has determined that any suppressed content does not materially affect the overall learning experience. Pearson is not affiliated with the content provider; we are not responsible for the content of this resource.

This attendance sheet is filled in every day by the learner and justified by company supervisor.

Starting date _____ ending date _____

Th.																		
Fr.																		
Sat.																		

IV. i. Weekly report sheet – Week 1

This weekly report sheet is to be filled every day by the learner, based on the IAP plan of activities and tasks assigned by his/her company supervisor. It is a tool for the learner to keep track on the work performed and the used resources.

It is a supporting tool for the teacher during the IAP final interview, to check the work performed and the tools used during IAP.

Date: From _____ to _____

Days	Tasks performed	Tools, materials, equipment and consumables	No. of hours per day
Monday	1. 2. 3.		
Tuesday	1. 2. 3.		

Wednesday	1. 2. 3.		
Thursday	1. 2. 3.		
Friday	1. 2. 3.		
Saturday	1. 2. 3.		

Signature of company supervisor

IV. ii. Weekly report sheet – Week 2

Date: From _____ to _____

Days	Tasks performed	Tools, materials, equipment and consumables	No. of hours per day
Monday	1. 2. 3.		
Tuesday	1. 2. 3.		
Wednesday	1. 2. 3.		

Thursday	1. 2. 3.		
Friday	1. 2. 3.		
Saturday	1. 2. 3.		

Signature of company supervisor

IV. iii. Weekly report sheet – Week 3

Date: From _____ to _____

Days	Tasks performed	Tools, materials, equipment and consumables	No. of hours per day
Monday	1. 2. 3.		
Tuesday	1. 2. 3.		
Wednesday	1. 2. 3.		

Thursday	1. 2. 3.		
Friday	1. 2. 3.		
Saturday	1. 2. 3.		

Signature of company supervisor

IV.iv. Weekly report sheet – Week 4

Date: From _____ to _____

Days	Tasks performed	Tools, materials, equipment and consumables	No. of hours per day
Monday	1. 2. 3.		
Tuesday	1. 2. 3.		
Wednesday	1. 2. 3.		

Thursday	1. 2. 3.		
Friday	1. 2. 3.		
Saturday	1. 2. 3.		

Signature of company supervisor

V. IAP school supervisor's visit form

--	--	--

1. General observation

Rank these elements related to the IAP implementation with a brief explanation by ticking to the number corresponding to the statement describing your observation as follows:

5 Excellent 4 Very Good 3 Good 2 Sufficient 1 Fair

NO	Observation during visit	Ranks					Comments
		1	2	3	4	5	
<i>A. Company engagement</i>							
a.	<i>The schedule of IAP activities is established and communicated</i>						
b.	<i>The learner communicates with the company supervisor</i>						
c.	<i>IAP activities are recorded timely in liaison book.</i>						
<i>B. Learner engagement</i>							
d.	<i>Attendance is regularly recorded</i>						
e.	<i>Learner is engaged and have access to company's equipment and tools</i>						
f.	<i>Achievement of expected outcome</i>						
g.	<i>All performed activities are relevant to the IAP expected outcomes</i>						
h.	<i>Learner contributes to the overall outcomes of company production</i>						
<i>C. Working environment</i>							
k.	<i>Companies' rules and Regulations related to IAP are communicated</i>						
l.	<i>Emergencies/Special cases are handled effectively</i>						
m.	<i>Hazards are controlled</i>						

2. Any other observation/recommendation during IAP visit

.....

.....

.....

.....

.....

3. Authorized person for follow-up/monitoring:

No	Name	Function	Date of Visit	Signature

VI. IAP company supervisor evaluation form

Read carefully the statements below relate to your experience with the learner, and make a decision by ranking his/her performance from “0 to 5”. This is how the number should support your rating:

5 Excellent 4 Very Good 3 Good 2 Sufficient 1 Fair 0 Poor

A. Technical competencies (30 points)

Job routines	Points					
	0	1	2	3	4	5
The learner operates job routines in accordance with the occupational norms (with supervision)						
The learner cleans the work station and stores tools/equipment after use						
He/she knows and applies the relevant procedures and techniques						
He/she knows and respects the different stages/steps of a working process						
Sub-Total 1	.....out of 15					

Use of tools and equipment	Points					
	0	1	2	3	4	5
The learner adequately uses the materials, tools and equipment (with supervision)						
The learner adequately selects materials, tools and equipment						
He/she uses materials, tools and equipment without hesitation						
He/she maintains, tools and equipment						
Sub-Total 1	.....out of 15					

B. Appropriate attitude at the workplace (60 points)

Individual attitudes	Points					
	0	1	2	3	4	5
The learner has developed the expected individual attitudes at the workplace						
The Learner is punctual						
He/she has a sense of responsibility and hard working						
He/she has shown some initiative						
He/she has shown the willingness to improve						
Sub-Total 1	.....out of 20					

Interactive attitudes	Points					
	0	1	2	3	4	5
The learner has developed the required interactive attitudes at the workplace						
The learner is a team-worker						
He/she has good interpersonal communication skills						
He/she has acquired some self-confidence						
Sub-Total 1	.....out of 15					

Organizational skills The learner has developed the required organizational attitudes	Points					
	0	1	2	3	4	5
The learner can work according to a schedule						
He/she can plan some tasks						
He/she uses resources efficiently (without waste)						
Sub-Total 1	.....out of 15					

Rules and regulations The learner complies with the rules and regulations	Points					
	0	1	2	3	4	5
The learner complies with personal protective rules and regulation						
He/she respects hygiene, safety and security regulations at the workplace						
Sub-Total 1	.....out of 10					

C. Quality of work (10 points)

Work relevancy	Points					
	0	1	2	3	4	5
The learner complies with orders from the clients or instructions from the supervisor						
The learner completes tasks with respect to the time allocated						
Sub-Total	.....out of 10					
Learner Overall Performance	.....out of 100					

--	--

Company supervisor's comments (Observations and ideas on how to improve the TVET IAP)

--

Done at _____, on _____
Name and stamp

VII. Learner self-assessment sheet

Please answer the following questions honestly. This questionnaire is not part of the IAP module assessment. It will help improving the TVET IAP and training system.

Were your expectations met during the Industrial Attachment Program? All Some Very Few None at all

How did IAP help increase your knowledge, skills and attitudes as a learner? Please tick one or more statements.

- It sharpened my skills through consistent hands-on activities.
- It oriented me on the transition from school to work setting.
- The working environment inspired me to practice work ethics in my daily tasks.
- Others: _____

Did you encounter any of the following conditions at your workplace? Please tick the applicable items.

- Lack of safety measures.
- Poor communication and social relationship with work mates.
- Inadequate tools and equipment supply.
- Lack of supervision and support from others.
- Unclear job description;
- Tasks given were not related to my area of training.
- Lack of opportunities for professional growth.
- Failure to see dignity and value of work.
- Lack of work ethics (i.e. gossip, indiscretion, abuse of benefits, privileges, etc.)
- Lack of sense of morality among work mates
- Other conditions: _____

Did your teacher or headteacher monitor and address your Industrial Attachment Program-related concerns?

- Always
- Very rarely
- Sometimes
- Never

What are the situations you liked the most during your Industrial Attachment Program? Please tick one or more

- Applying my theoretical knowledge in practice
- Conducting similar tasks like a regular worker
- Forming camaraderie with my workmates and gaining learning experiences from them
- Others (please name them) _____

In general, rate your IAP experience and support your rating with a brief explanation.

5 Excellent 4 Very Good 3 Good 2 Sufficient 1 Fair 0 Poor

VII. Interview Guiding Questions

At the end of the Industrial Attachment Program, you will make a short presentation along the questions mentioned here below. You have to hand in the supporting document (the liaison book) to your teacher at least one day before the interview.

The interview takes place at the TVET Centre. The jury is composed of at least 2 teachers and the company supervisor.

Criterion 1: Technical competencies	Score					
	0	1	2	3	4	5
● Can you summarize the main activities of your Industrial Attachment Program?						
● What equipment did you use during this Industrial Attachment Program?						
● What activities planned in your Industrial Attachment Program you did not do? Why?						

Criterion 2: Attitudes	Score					
	0	1	2	3	4	5
● What difficulties/challenges did you face during your Industrial Attachment Program? How did you resolve them?						
● What attitudes do you think you improved during the Industrial Attachment Program?						
● What activities did you do well? What did you not do well? What do you still need to improve?						

Criterion 2: Quality of work	Score					
	0	1	2	3	4	5
● Among the tasks you realized, describe in detail one of them and how you completed it.						
● What was your clients/colleagues/supervisor feedback regarding your work?						
● During your Industrial Attachment Program, did you complete all the tasks you were given? If not, why?						

Criterion 1: Optional questions	Score					
	0	1	2	3	4	5
● What new activities did you do?						
● What did you find interesting during your IAP? And what is your career plan?						

Overall marks for the Industrial attachment program module

IAP Module		
Industrial attachment theory	Performance at workplace	Industrial attachment Report presentation
20% of overall marks for the IAP module	50% of overall marks for the IAP module	30% of overall marks for the IAP module
...../20	...../50	...../30
Total Score.....		

TVET industrial attachment Participation Certificate



Republic of Rwanda
Ministry of Education



TO WHOM IT MAY CONCERN

This is to certify that Mr./Ms. _____

a trainee from _____ has successfully completed

Industrial attachment program in (Trade) _____ RQF Level _____ at _____

From _____ to _____.

Name, Signature and Stamp

Company Authority

Name, Signature and Stamp

TVET Provider