

**Project Report**  
**for**  
**Tropical Poultry Genetic Solutions (TPGS)**  
**Project - Platforms**

**Simon Belete,**  
**May 15, 2022 G.C**

# Contents

<b>1</b>	<b>Nutrition Eduction</b>	<b>1</b>
1.1	Overview . . . . .	1
1.2	Milestones and Deliverables . . . . .	1
1.3	Scope Changes . . . . .	1
<b>2</b>	<b>Breeding Data Management</b>	<b>1</b>
2.1	Overview . . . . .	1
2.2	Milestones and Deliverables . . . . .	2
2.3	Scope Changes . . . . .	2
<b>3</b>	<b>Feed Formulation</b>	<b>2</b>
3.1	Overview . . . . .	2
3.2	Milestones and Deliverables . . . . .	3
3.3	Scope Changes . . . . .	3
<b>4</b>	<b>Livestock extension agent training mobile app</b>	<b>3</b>
<b>5</b>	<b>Challenges</b>	<b>3</b>
<b>6</b>	<b>Remaining Work</b>	<b>4</b>
<b>7</b>	<b>Refrence</b>	<b>4</b>

# 1 Nutrition Education

## 1.1 Overview

Nutrition Education Mobile App in three languages(Amharic, English and Swahili), mobile application and the website(additional requirement) are done. The remaining works are content revision and deployment to Play store.

## 1.2 Milestones and Deliverables

Milestone / Deliverable Name	Status	Remark
Develop Mobile Application	Done	
Testing Mobile Application	Ongoing	
Deploy to Play Store	Ongoing	

## 1.3 Scope Changes

Scope changes are requests made by the team that are not stated in the initial Term of Reference(TOR).

Catagory	Description	Status	Remark
Platform	Developing additional Website with the mobile application	Done	

# 2 Breeding Data Management

## 2.1 Overview

Based on the TOR agreement the requested platform was a Mobile Application, but When the mobile application was in beta testing I was requested to develop(change) the platform to a website. Currently the status of the

project in 90%, the remaining works are further development, testing and deployment.

## 2.2 Milestones and Deliverables

Milestone / Deliverable Name	Status	Remark
Develop Mobile Application	Done	Discontinued in beta stage
Testing Mobile Application	Discontinued	
Deploy to Play Store	Discontinued	

## 2.3 Scope Changes

Scope changes are requests made by the team that are not stated in the initial Term of Reference(TOR).

Catagory	Description	Status	Remark
Platform	Change to a website	Done	90% progress
Platform	Deploy to ILRI server	Ongoing	

# 3 Feed Formulation

## 3.1 Overview

Based on the TOR agreement the requested platform was a Mobile Application, but requested to be changed into a Website. Currently the status of the project in 95%, the remaining works are further developments, testing and deployment.

### 3.2 Milestones and Deliverables

Milestone / Deliverable Name	Status	Remark
Develop Mobile Application	Done	95%
Testing Mobile Application	OnGoing	
Deploy to Play Store	Discontinued	

### 3.3 Scope Changes

Scope changes are requests made by the team that are not stated in the initial Term of Reference(TOR).

Catagory	Description	Status	Remark
Platform	Change to a website	Done	90% progress
Platform	Deploy to ILRI server	Ongoing	

## 4 Livestock extension agent training mobile app

Due to the lack of sufficient time the mobile application development has not been started, the current state of is in information gathering state.

## 5 Challenges

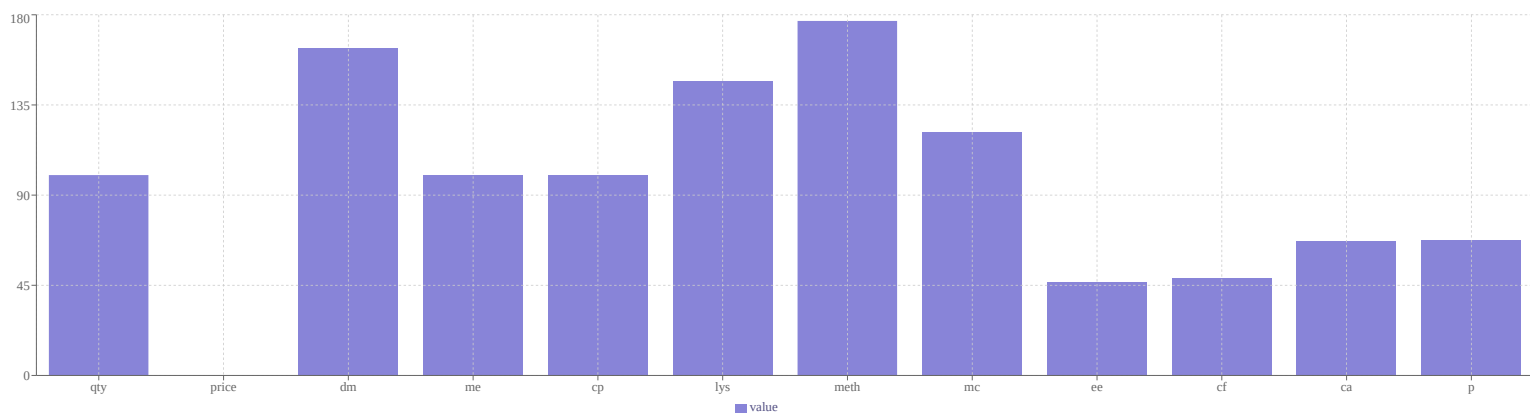
- Changes in requirements
- Lack of adequate and enough resources in a timely manner
- Lack of Swahili translator

## 6 Remaining Work

- Educational Material content revision
- Portal development - A website that connects all the applications as one entity
- Complete remaining requirements (i.e. Technical requirements)
  - Improve Website performance
  - Search engine optimization
  - Multi Farm management
  - Single sign on (one login credential Single login credential for all applications)
  - etc... (Can be stated on request)
- Testing applications
- Integration testing
- Deploy all applications on the ILRI server

## 7 Reference

	Name	%	Price/Unit	DM%	ME%	CP%	Lys%	Meth%	M+C%	EE%	CP%	Ca%	P%	Min%	Max%	
1	DL-meth	0.1	250.00	99.7	2360	58	0	99	99	0	0	0	0	0.1	0.4	
2	L-Lysine HCL	0.1	80	98.5	3730	94.5	78	0	0	0	0	0	0	0.1	0.5	
3	Salt	0.1	7.00	95	0	0	0	0	0	0	0	0	0	0.1	0.5	
4	Soybean oil	0.1	75.00	99.5	9300	0	0	0	0	99.5	0	0	0	0	3	
5	Maize	58	9.00	86.9	3340	8.7	0.22	0.2	0.35	3.6	2.1	0.4	0.3	0	60	
6	Barley	6	8.00	89	2790	10.6	0.38	0.2	0.42	2.4	4.5	0.07	0.36	0	50	
7	Wheat Middlings	1	12.00	86	1980	15.6	0.62	0.25	0.59	3.6	9.2	0.11	1.15	0	30	
8	Wheat Bran	3	5.00	86.6	1710	15.2	0.61	0.25	0.59	3.6	9.2	0.11	1.15	0	15	
9	Lupins	9.6	7.00	89	1850	30.5	1.43	0.23	0.67	5.5	14.2	0.24	0.44	0	10	
10	SBM 44/7	10	12.00	86.6	2120	43	2.79	0.65	1.33	1.8	6.5	0.3	0.65	0	35	
11	Alfalfa meal 10%	0.1	50.00	89.6	700	10.1	0.47	0.23	0.26	1.8	27.4	1.78	0.25	0	5	
12	Fish Meal 10%	6.7	10.00	926	3320	70	5.39	2.03	2.66	8	0	3.5	2.6	0	10	
13	Dcalc.Ph	0.1	45.00	99	0	0	0	0	0	0	0	24	18	0.1	0.2	
14	Limestone	5	0.20	99	0	0	0	0	0	0	0	38	0	0	5	
15	Premix general	0.1	35.00	99	0	0	0	0	0	0	0	38	0	0	5	
16																
17	Ration	100.00	9.06	144.08	2803.83	18.37	1.03	0.46	0.73	3.72	3.90	2.49	0.54			
18	Requirement	100	0	88.26	2803.83	18.37	0.7	0.26	0.6	8	8	3.7	0.8			
	+ New row...															





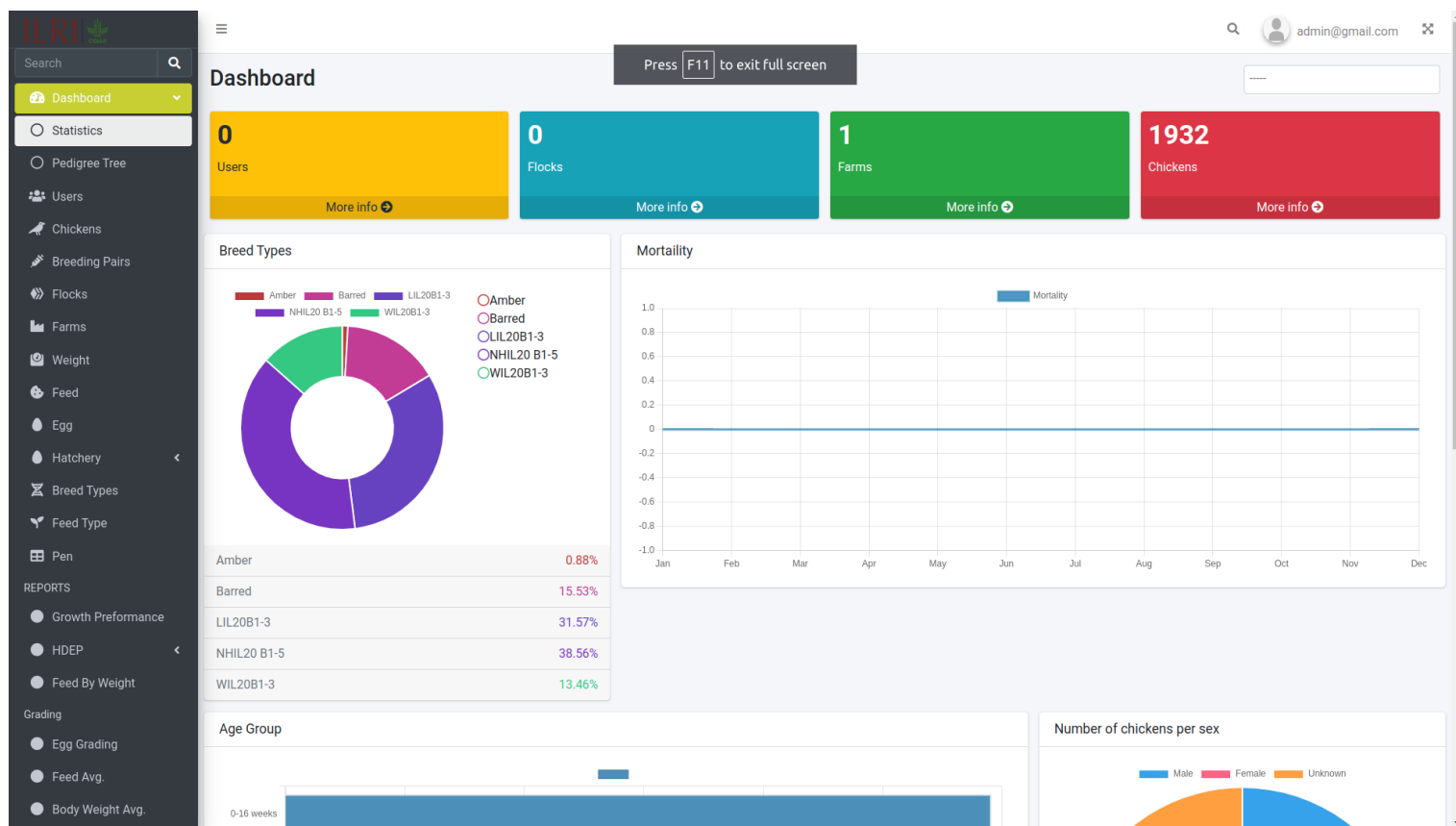


Figure 1: Breeding Data management dahsbaord

Feed Formulation

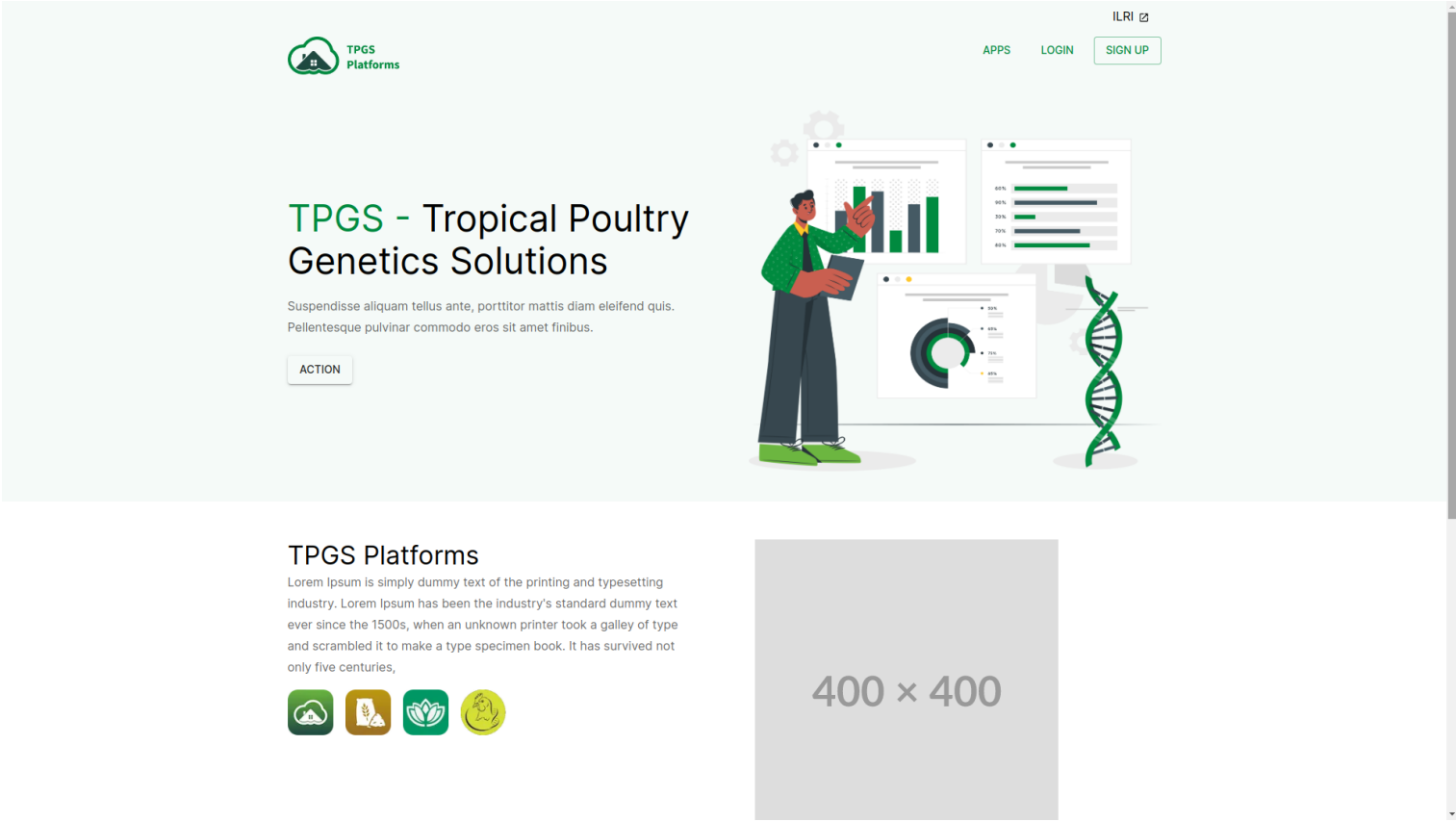


Figure 2: TPGS platforms portal website