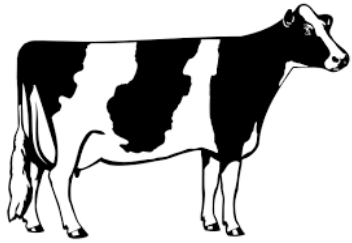


Orange Knowledge  
Programme

**East  
African  
Regional  
Network of  
Excellence in  
Dairy Training**

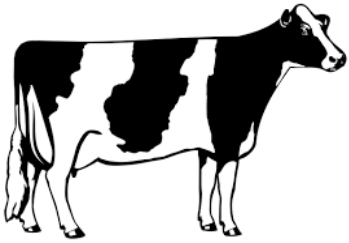
**EARNED  
Project**

**Nuffic OKP-EAR-104104**



**Orange Knowledge  
Programme**

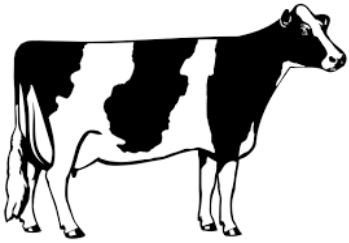
**Hannington Jawoko Odongo  
National Coordinator, Uganda  
&  
Peregrino Tumusingize  
MUST/EARNED Dairy advisor**



Orange Knowledge  
Programme

## Pilot education institutions involved in Uganda

1. Mbarara University of Science and Technology
2. Kyera Agricultural Training College
3. Rwentanga Farm Institute
4. Dairy cooperatives
5. Private dairy industries



## Orange Knowledge Programme

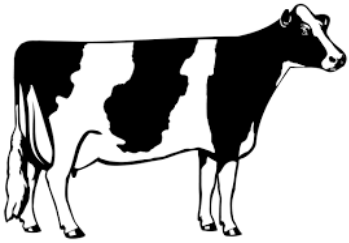
### Aim of EARNED

To develop an “inspirational blended learning and innovation environment”, to support curricula, deepen academia-private sector partnerships, and link formal and non-formal dairy education.

### The Blended Learning

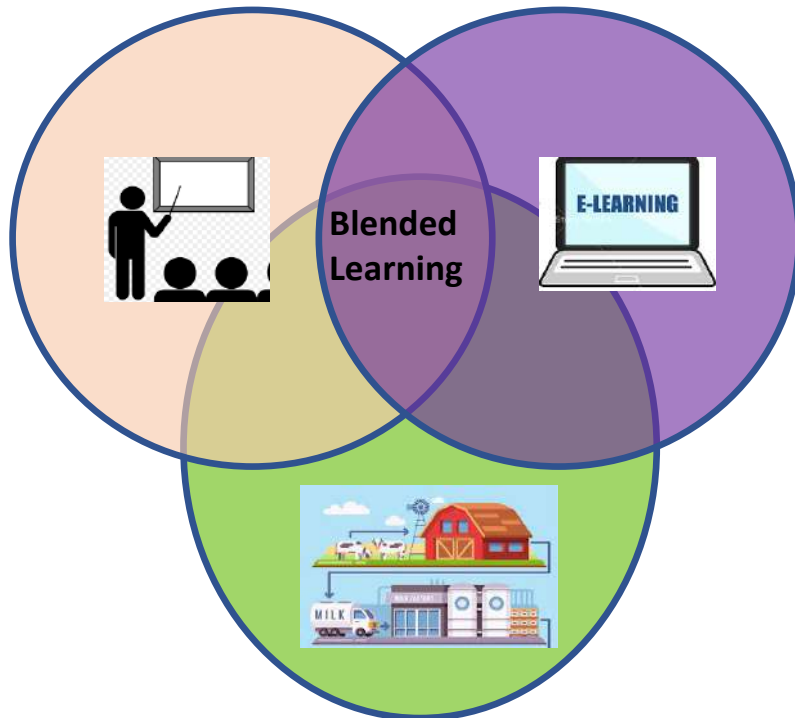
**Blended Learning is a mix of:**

1. Online learning (@home)
2. Learning in practice (Bring practice in the classroom)
3. Teaching/ Training in classroom
4. Learner responsible for own learning success.



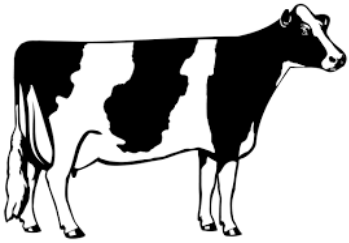
## Orange Knowledge Programme

### The Blended Learning



### Dairy Delta Academy (DDA)

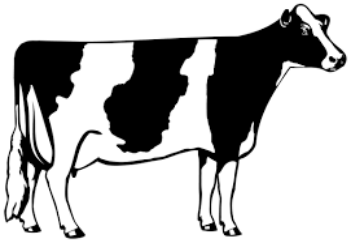
- DDA is a digital interactive educational and training platform developed by brainstud,
- To facilitate blended learning pathways in the dairy education and training via a modern online platform,
- It is a practical-oriented trainings for dairy professionals,
- is based on a mix of theory, practical training and practical assignments



## Orange Knowledge Programme

### DDA support to student learning

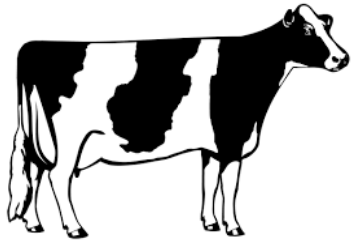
- Students are challenged to make assignments when attached in practice
- Before they do the assignment they are provided with detailed knowledge in the DDA as a digital book/library of courses
- Class teaching and skills training is also provided
- Students enrol on the platform
- Students submit assignments in a digital portfolio of evidence
- Lecturers/ instructors monitor the progress of the assignments
- Lecturers/instructors can check the digital portfolio of the student and provided grades and feedback



## Orange Knowledge Programme

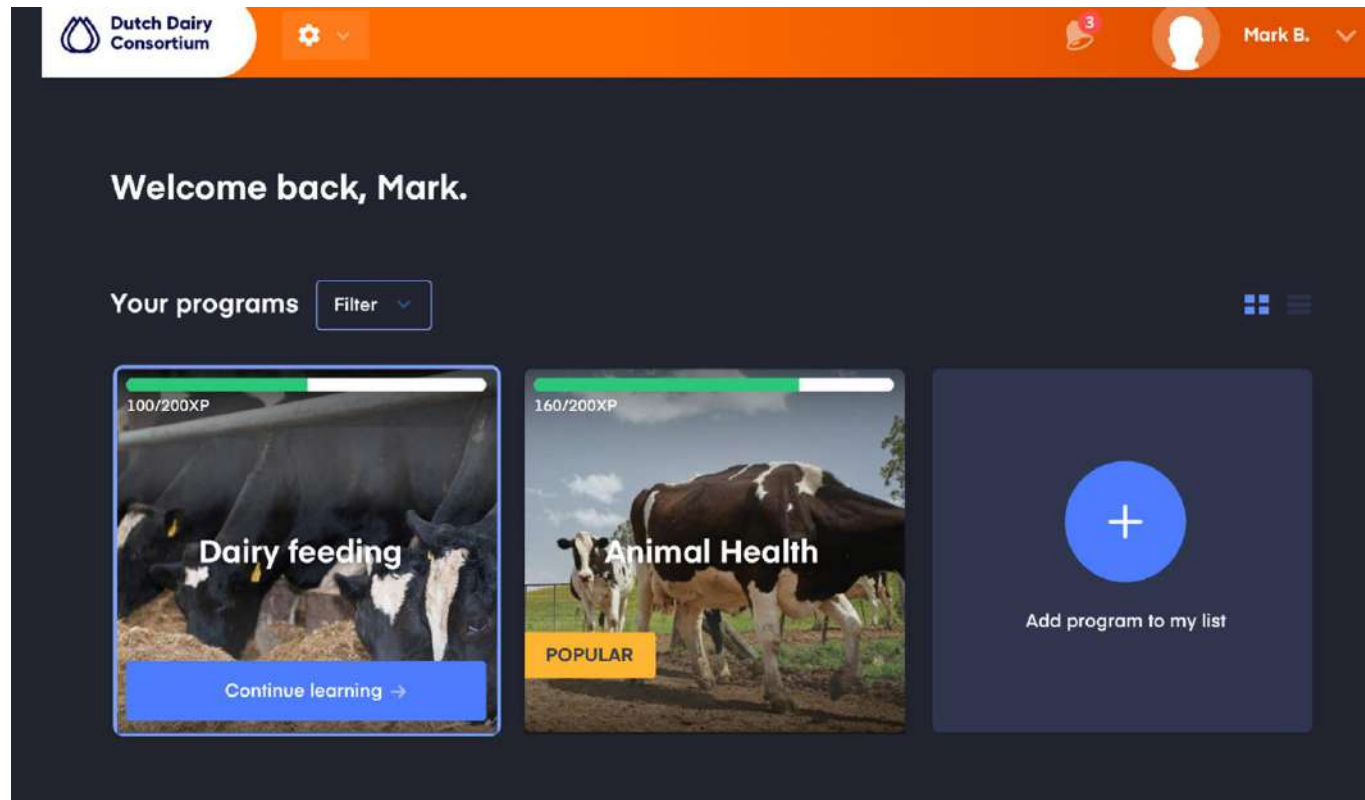
### DDA practice in Uganda

- Lecturers / dairy instructors and students were trained in the use of DDA
- 04 Coaches have used blended learning in training at MUST Using DDA platform
- 03 coaches at Kyera and 04 at Rwentanga have done the same

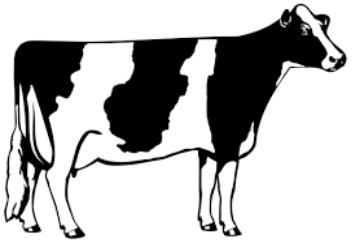


# Orange Knowledge Programme

Some of Dairy production learning modules on the DDA platform



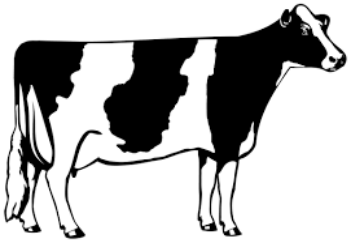




## Orange Knowledge Programme

### What was interesting with using the DDA platform?

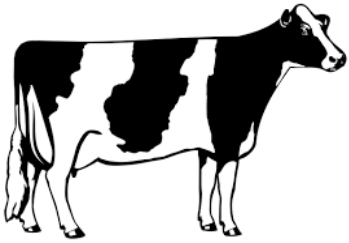
- ❖ Technology/skills like video recording, editing and interactive websites.
- ❖ Improvement in computer skills of students and their dairy instructors/lecturers
- ❖ Students were motivated to learn because of the practical nature of the modules. Modules were triggering practical thinking and problem solving.
- ❖ The information on the platform was short, easy to understand, relevant and highly practical
- ❖ More interaction with learners and learners were able to bring more practical and interesting ideas and skills
- ❖ Working at ones pace and with high efficiency and effectiveness



## Orange Knowledge Programme

### Challenges of using the platform

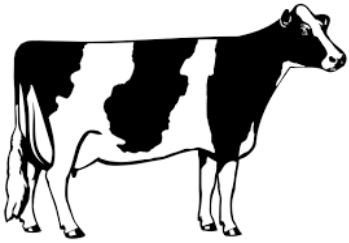
- ❖ The platform depended on stable internet connectivity and thus was not accessible offline or during unstable internet
- ❖ Limited ICT gadgets and data bundles
- ❖ Some of the procedures and practicals on the platform weren't at farm level.
- ❖ Some farms where students visited during the COVID 19 pandemic lockdown had not good facilities for dairy training



## Orange Knowledge Programme

### The strengths of DDA Platform

1. Quick access when you are registered onto the platform
2. Provisions for pre-training, during training and after training tasks
3. Literature provided on some of the topics and links to detailed literature given by the coaches before training
4. Availability of pictorials and some videos exposing learners to deeper understanding of the content provided before the training
5. A clear guide on practical concepts to focus on in dairy training
6. Allows for down load and upload of some learning materials
7. Platform allows for feedback from coach to students
8. Provides room to handle internship supervision through video/youtube links upload by students/interns
9. More modules can be added onto the platform by the Institution when you

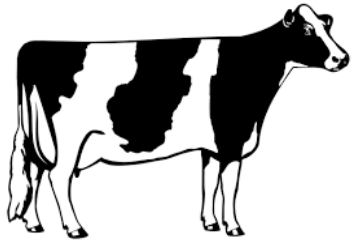


## Orange Knowledge Programme

### Few Identified Weaknesses

- ❖ Expensive license (Institutional license of 11,750 euro 999 students)
- ❖ Lack of separate materials for learners of different levels e.g certificate, Diploma and Degree
- ❖ Limited size of documents for students to upload onto the platform
- ❖ Not working in the offline mode. However, according to Brainstud this has been rectified.
- ❖ Requires basic ICT skills for the users. Thus, building capacity is critical.

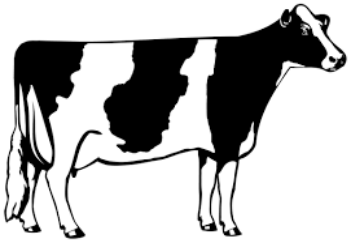




# Orange Knowledge Programme

# Thank You





## Orange Knowledge Programme

Some of the skills learnt with exposure to DDA under the education, calf rearing and dairy nutrition modules

Links to the internship site videos and student practical documentary

[https://youtu.be/OR3W\\_OINV04](https://youtu.be/OR3W_OINV04)

<https://youtu.be/GCYILqMX5KU>

[https://drive.google.com/file/d/1NqLhgZl5S24Xlf3SUjFg52RoPiFFJY9k/view?usp=drive\\_web](https://drive.google.com/file/d/1NqLhgZl5S24Xlf3SUjFg52RoPiFFJY9k/view?usp=drive_web)