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eee Austria international projects GmbH

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Education Technologies, e-Solutions and Vocational Education and Training

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SMART SOLUTIONS IN AGRICULTURE & EDUCATION

Education & Training

Vocational Education & Training

Curriculum Development & Teacher/
Trainer Training

Digital Literacy & ICT Skills

Entrepreneurship Education

School, College & University
Development

Blended Learning Solutions

e-solutions

Education Technologies

Digital Education & Training

Learning Management Systems

Mobile Learning & App Solutions

Off-the-shelf & Tailor-made e-Contents

e-Testing Solutions

Gamification & VR Solutions

e-government

School Administration (EMIS) Systems

Education Portals

e-Academy Solutions

e-Justice Solutions

Electronic Registers

Smart Safety Solutions

Consulting Services

Capacity Building, Human Resources Development,
Technical Assistance, Software as a Service (Saas)

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SMART AGRICULTURE DATA & TRAINING PLATFORM SOLUTIONS FOR THE AGRICULTURE SECTOR

Introducing a complete solution for the Agriculture sector including a platform for managing all relevant data of and for farmers and all other stakeholders of the agriculture sector as well as a training platform for all stakeholders consisting of modern e-learning solutions & content creation.

The Platform consists of 5 major components:

- Farm Management Information System
- Training platform for Farmers and other stakeholders
- e-Learning Management System
- Basic ICT & Agriculture e-learning courses
- Authoring tool for e-learning courses

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On this platform, farming information can be completely bundled and thus ensuring that all information are consistently and digitally processable in one place. Farm data can be linked with land-, weather- and satellite data to gain deep insights for strategic and operational decisions.

Additional manual work is eliminated and therefore the efficiency of the organization is sustainably improved.

The platform can be capable of gathering, managing and storing the following data:

- Farmer´s profile
- Contact details
- Asset management
- Land management
- Livestock management
- Machine & equipment management
- Financial management & loans

In regards of Farm management, the following features can be provided:

- Field & Crop management
- Activity management
- Field scouting
- Stock management
- Fertilization management
- Seed management
- Plant protection management
- Cost management
- Crop monitoring
- Regulatory and standard checks
- Dashboard, Statistics & Reports

The solution aims at providing a comprehensive e-learning as well as communication platform, which supports the administration of learners, trainers and experts and offers the mapping of complex learning structures, course management, coaching and tutoring and much more.

The platform can be centrally used by a wide range of user groups:

- Employees of the Ministry of Agriculture
- Workers in the field of agriculture (e.g. farmers)
- Experts for agricultural development

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To be successful and utilize exchange possibilities, people must be digitally literate and equipped with the skills to optimally use the offered tools. This includes both the ability to use new ICT tools and media literacy.

Therefore, Basic ICT learning courses will be provided to

- increase ICT competence of all users
- convey digital literacy skills also for farmers

Furthermore, specific courses related to Agricultural topics will be developed together with Experts with the Authoring tool for e-learning courses

Even in crises like Covid pandemic and access to learning due to geographic challenges, the continuation of teaching and learning can be guaranteed via this LMS:

- cost and time efficiency with broad geographical outreach
- ensures the appropriate management of courses and makes them available over the network
- It is fully scalable and can be available on all standard devices – computers, laptops, and smartphones
- It can be used by a high number of users at the same time and in various locations
- Individual knowledge gaps can be filled with e-learning (lessons that were difficult to understand can be repeated by farmers and other trainees individually until they have answered 100% of all questions correctly).
- Thus, the knowledge level of all users can be harmonized

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To ensure that the Ministry of Agriculture is also able to react to the needs and demands of their target group with flexibility, this can also make available an authoring tool for e-learning content creation for the quick and easy development of online learning materials.

- The authoring tool can be fully integrated into the system and enables the Ministry to create learning materials without needing any coding or programming knowledge.

- It will allow independent and easy-to-use content creation for all educational institutions beyond the project lifetime.

Thank you for your attention!

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