Training Course on Virtual Reality (VR) and Augmented Reality (AR) in Agri-Training

Professional Development Training Course Outline

Category	Agriculture	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

As the agricultural sector embraces digital transformation, Virtual Reality (VR) and Augmented Reality (AR) are revolutionizing how training is delivered to farmers, agribusiness professionals, and rural communities. Training Course on Virtual Reality (VR) and Augmented Reality (AR) in Agri-Training is designed to equip participants with the tools, skills, and knowledge required to create immersive, interactive, and impactful training experiences. Leveraging these technologies not only enhances learning outcomes but also promotes sustainable agriculture, smart farming, and climate-resilient practices.

Through practical case studies and hands-on modules, participants will explore cutting-edge applications of immersive technology in precision farming, livestock management, soil and water conservation, and agripreneurship. This training course integrates tech-driven agricultural education, interactive learning, and agricultural innovation to bridge the digital divide and future-proof agri-training systems globally.

Programme Curriculum

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Course Objectives

1. Understand the fundamentals of VR and AR technologies in agriculture.
2. Analyze the benefits of immersive technology in agri-training.
3. Identify the best AR/VR tools and platforms for agricultural learning.
4. Develop interactive agricultural simulations for hands-on learning.
5. Apply VR training in crop monitoring and soil analysis.
6. Use AR tools to enhance on-field decision-making.
7. Explore the role of AI-integrated immersive tech in farming.
8. Enhance engagement in farmer training programs through VR/AR.
9. Evaluate cost-effectiveness and scalability of immersive tools.
10. Design custom VR/AR modules for rural outreach.
11. Integrate IoT and AR for smart farming practices.
12. Promote climate-smart agriculture using AR-based solutions.
13. Assess real-world case studies of immersive tech in agri-education.

Target Audience

1. Agricultural extension officers
2. Agribusiness professionals
3. Agricultural training institutions
4. Farmer cooperatives and organizations
5. Agritech startups and innovators
6. Policy makers in agriculture and education
7. Rural development practitioners
8. Educational technology developers

Course Duration: 5 days

Course Modules

Module 1: Introduction to VR/AR in Agriculture

- Overview of VR and AR technologies
- Evolution of immersive tech in agri-training
- Benefits for agricultural learners and trainers
- Key hardware and software tools
- Global trends in immersive agri-tech
- **Case Study:** VR in agricultural colleges in the Netherlands

Module 2: AR/VR Tools and Software for Agri-Education

- Top VR/AR platforms for training
- Cost-effective mobile-based AR apps
- Creating 360° farm tours
- Immersive storytelling for farming
- Licensing and IP issues
- **Case Study:** Use of Unity for agri-simulation in India

Module 3: Designing Immersive Content for Crop Training

- Building crop lifecycle simulations
- Soil health and irrigation AR visualizations
- Disease identification through VR
- Content creation best practices
- Testing and learner feedback integration
- **Case Study:** VR-based pest management program in Kenya

Module 4: Smart Farming with AR and IoT Integration

- Combining AR with sensor data
- AR overlays for crop yield forecasts
- Remote diagnostics and real-time alerts
- Data visualization using immersive tech
- AR for drone and machinery operations
- **Case Study:** IoT + AR in vineyards in France

Module 5: Livestock Management with VR

- Simulated animal handling and behavior training
- Biosecurity and disease prevention modules
- VR for humane livestock rearing education
- Virtual barns and milking systems
- Improving safety protocols via VR
- **Case Study:** VR training for cattle health in Australia

Module 6: Climate-Smart Agriculture through Immersive Learning

- AR modules for weather prediction
- Soil and water conservation simulations
- Risk awareness through immersive scenarios
- Teaching sustainable practices via VR
- Promoting regenerative agriculture
- **Case Study:** UN-led AR training on desertification control

Module 7: Monitoring & Evaluation of VR/AR Agri-Programs

- Developing KPIs for immersive training
- User experience (UX) testing in rural areas
- Data collection from AR/VR modules
- Improving retention and knowledge transfer
- Scalability and replicability metrics
- **Case Study:** Evaluation of FAO VR pilot in Uganda

Module 8: Building Sustainable VR/AR Agri-Training Systems

- Capacity building for trainers
- Partnerships with tech providers
- Funding and donor engagement
- Localization of content for cultural relevance
- Long-term impact assessment
- **Case Study:** Public-private AR training collaboration in Brazil

Training Methodology

- Blended learning (live sessions + self-paced modules)
- Hands-on VR/AR demo labs and sandbox environments

- Group-based simulation projects and prototyping
- Guest expert lectures from agri-tech leaders
- Real-time scenario-based roleplays
- Feedback surveys and practical assessments

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
21 Sep 2026	25 Sep 2026	Online	$1,000
21 Sep 2026	25 Sep 2026	Physical	$1,500
21 Sep 2026	25 Sep 2026	Physical	$0
21 Sep 2026	25 Sep 2026	Physical	$0
21 Sep 2026	25 Sep 2026	Physical	$0
21 Sep 2026	25 Sep 2026	Physical	$0
21 Sep 2026	25 Sep 2026	Physical	$0

Start Date	End Date	Location	Price
21 Sep 2026	25 Sep 2026	Physical	$0

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com