



AgriTech Solutions: Innovating VET for Sustainable Agriculture
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 AgriTech Solutions: Innovative VET for Sustainable Agriculture
 2024-1-RS01-KA210-VET-000244168

MINUTES

For the implementation of activities for the needs of the project

Overview of existing qualifications

Review of the representation of sustainable agricultural practices, precision agriculture, organic agriculture, renewable energy sources and the use of technology in agriculture in curricula and qualification programs.

Teacher: Jovo Katto

Place: Sombor

Qualification: Agricultural Technician for Digital Technologies

Curriculum	Digital technologies in agriculture	Digital technologies in agriculture
Year	First	First
Module/modular unit	Representation	Description
Basics of digital technologies	Basics of digital tools are covered.	Introduction to digital tools and platforms
Proposal for improving the curriculum in terms of the representation of sustainable agricultural practices, precision agriculture, organic agriculture, renewable energy sources and the use of technology in agriculture		
Module/modular unit		Proposal
All modules		To increase the prevalence of sustainable agricultural practices and the use of technology in agriculture.
Curriculum	Basics of plant production	Basics of plant production
Year	First	First
Module/modular unit	Representation	Description



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Plant products	Production technology is represented Basic principles of crop production	
Proposal for improving the curriculum and program		
Module/modular unit Proposal		
Plant products	To increase the prevalence of sustainable agricultural practices and precision agriculture.	
Curriculum	Agriculture and gardening	Agriculture and gardening
Year	Second, Third	Second, Third
Module/modular unit	Representation	Description
Farming	Technologies are represented in agriculture	Field crop cultivation technology
Proposal for improving the curriculum and program		
Module/modular unit	Proposal	
Farming	To increase the prevalence of sustainable agricultural practices, precision agriculture and renewable energy sources in agriculture.	
Curriculum	Fruit growing and viticulture	Fruit growing and viticulture
Year	Third	Third
Module/modular unit Representation	Description	
Fruit growing	Technologies in fruit growing are represented. Technology of growing fruit species	
Proposal for improving the curriculum and program		





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Module/modular unit	Proposal	
Fruit growing	To increase the prevalence of sustainable agricultural practices, precision agriculture and renewable energy sources in fruit growing.	
Curriculum	Livestock farming	Livestock farming
Year	Second, Third	Second, Third
Module/modular unit	Representation	Description
Livestock technology	Technologies in livestock farming are represented	Basic principles of livestock production
Proposal for improving the curriculum and program		
Module/modular unit	Proposal	
Livestock technology	To increase the presence of precision agriculture and renewable energy sources in livestock farming.	
Curriculum	Automation of agricultural machinery	Automation of agricultural machinery
Year	Fourth	Fourth
Module/modular unit	Representation	Description
Automation	Automation is present	Application of automated systems
Proposal for improving the curriculum and program		
Module/modular unit	Proposal	
Automation	To increase the prevalence of sustainable agricultural practices and renewable energy sources.	



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Curriculum	Precision farming	Precision farming
Year	Third, Fourth	Third, Fourth
Module/modular unit Representation		Description
Precision farming	Precision farming systems are represented	GNSS, mapping, variable application
Proposal for improving the curriculum and program		
Module/modular unit Proposal		
Precision farming	To increase the prevalence of sustainable agricultural practices and renewable energy sources.	
Curriculum	Operation and maintenance of agricultural technique	Operation and maintenance of agricultural technique
Year	Third, Fourth	Third, Fourth
Module/modular unit	Representation	Description
Exploitation	Exploitation of technology is present.	Proper use and maintenance of machines
Proposal for improving the curriculum and program		
Module/modular unit Proposal		
Exploitation	To increase the prevalence of sustainable agricultural practices and renewable energy sources.	
Curriculum	Professional practice	Professional practice
Year	All years	All years



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Module/modular unit	Representation	Description
Practice	Practical teaching	Realization of practical skills
Proposal for improving the curriculum and program		
Module/modular unit Proposal		
Practice	To increase the prevalence of sustainable agricultural practices and precision agriculture.	
Curriculum	Organic production in gardening	Organic production in gardening
Year	Elective subject	Elective subject
Module/modular unit	Representation	Description
Organic production	Presented as an elective subject	Basic principles of organic production
Proposal for improving the curriculum and program		
Module/modular unit	Proposal	
Organic production	Organic production should be more represented in the mandatory vocational subjects of crop and livestock production as a separate module.	
Curriculum	Renewable energy sources in agriculture	Renewable energy sources in agriculture
Year	Elective subject	Elective subject
Module/modular unit	Representation	Description
Biofuels and solar energy	Represented basics of RES	Biomass energy production



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Proposal for improving the curriculum and program		
Module/modular unit	Proposal	
Energy production	Energy production from biofuels should be more widely represented in mandatory vocational courses as a separate module.	
Agrosolar industry	It should be a mandatory module or subject for adapting agricultural production to climate change. This would unite green energy production and agricultural production.	
Curriculum	Artificial intelligence	Artificial intelligence
Year	Elective / Outcome	Elective / Outcome
Module/modular unit	Representation	Description
Application of AI	Information representation	Basics of AI application in agriculture
Proposal for improving the curriculum and program		
Module/modular unit	Proposal	
Application of AI	Artificial intelligence should be more widely represented in mandatory vocational subjects in crop and livestock production as a way of learning.	
Curriculum	Robotics	Robotics
Year	Elective subject	Elective subject
Module/modular unit	Representation	Description
Robotics	Represented informatively	Fundamentals of robotics in agriculture
Proposal for improving the curriculum and program		



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Module/modular unit	Proposal
Robotics	It should be a mandatory module within the agricultural technology subject.

In Sombor

Teacher

Date: 09.07.2025. year

Jovo Cato



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ФОНДАЦИЈА
ТЕМПУС