



COURSE REGISTRATION FORM

Teacher	Irfan Fetahović
University	State University of Novi Pazar
Course	ICT in Agriculture
Target	Agricultural Middle Schools
Type	blended
Duration	1 day - 8 hours

Description

We live in an era of rapid development and pervasive use of information and communication technologies (ICT). Global tendencies are directed towards further expansion and advancement of these technologies because of the positive effects they make on people and economy. The phrase "pervasive and ubiquitous computing" can be heard very often both in academic and industrial circles, representing a vision in not so distant future, where humans and natural environment, on one side, and ICT technologies, on the other side, are interconnected with different lines and mediums, creating an active and interdependent network. Let us mention several technologies we cannot imagine our future without: Internet and its services, database systems technologies, decision support systems and artificial intelligence, smart sensor networks. The fact is the world depends on ICT and we must expand our ICT knowledge and skills so we can be prepared to use them in ever changing world.

The aim of this course is to expand knowledge of course participants in the area of ICT with special reference on using these technologies in agriculture and food production.

Contents

1. Introduction. Computer systems. Personal computer
2. Computer software and its application
3. Development and application of computer networks and the Internet
4. Wireless networks and standards
5. Smart sensor networks and their application in agriculture
6. Database systems, information systems and application

Objectives

1. Enhancement and expansion of ICT knowledge and skills, with emphasis on using these technologies in agriculture
2. Acquiring knowledge and understanding specifics of using ICT in agriculture
3. Comprehensive review of current ICT usage in modern agriculture and food production
4. Creating insight of future ICT usage and significance in agriculture



Activities

1. Introduction lecture - basic introduction, course information, registration of course participants on *Moodle* platform, and accessing the virtual course on the platform
2. Teaching lecture units according to the schedule which is defined in the course contents, by using *PowerPoint* presentations, video presentations, computer tools and software
3. Assessment of knowledge is planned after every lecture unit, by using tests on Moodle course
4. Final exam - test on Moodle course, and examining participants' computer skills

Materials

1. *PowerPoint* presentations
2. *Moodle* platform
3. Software tools
4. Video presentations
5. Printed material