

ISNET/INIT Online Trg on “Leveraging AI for Precision Agriculture”

1. Inter Islamic Network on Space Sciences and Technology (ISNET) in collaboration with Inter Islamic Network on Information Technology (INIT) organized training course on “Leveraging AI for Precision Agriculture” that was organized from 28-30 Oct 2024 through virtual platform.
2. The course offered a comprehensive examination of the synergy between AI, aerial mapping, and agricultural methodologies. Through a blend of theoretical fundamentals and practical applications, participants delved into the challenges, opportunities, and future directions for agricultural advancement. Key topics included technique for aerial data acquisition followed by implementation of AI algorithms for crop’s health monitoring, yield estimation & stress analysis. Through case studies and real-world examples, participants gained insights into optimizing agricultural systems for enhanced efficiency and sustainability.
3. Around 40 participants regularly attended the training course from Azerbaijan, Egypt, Iraq, Jordan, Nigeria, Pakistan, Senegal, Tanzania, Tunisia, Türkiye and USA.
4. The participants were successfully equipped with essential knowledge and practical skills to implement artificial intelligence in agricultural practices. The course fostered engagement among experts, practitioners, and learners, highlighting the transformative potential of AI in enhancing crop yields and sustainability. Feedback from participants indicated a high level of satisfaction, particularly regarding the interactive format and the relevance of content.

