



## **Integral Institute of Agricultural Science & Technology (IIAST) Integral University, Lucknow**

### **Brief report on Kisan Pathshala on Modern farming Equipment and Technology (आधुनिक कृषि उपकरण एवं प्रौद्योगिकी) organised by Department of Agriculture, IIAST on 13<sup>th</sup> March 2022 in Anwari Village**

Modern technology in agriculture has increased production and productivity which has improved food security and income for farmers. In addition, it has helped create new jobs and improve the quality of life for rural communities. Thus, in order to educate the farmers about the advancements in modern farming equipment and technology the Department of Agriculture, Integral Institute of Agricultural Science and Technology has recently organised a remarkable Kisan Pathshala focused on the advancements in modern farming equipment and technology. The event aimed to bridge the gap between traditional agricultural practices and the innovative solutions available today.

The pathshala started with an insightful session on the latest farm machinery, shedding light on the efficiency and productivity gains they offer. Er Udayveer highlighted that drone technology has emerged as a transformative tool in modern Agriculture, and drone technology saves time, cost of spray operation, and quantity of pesticide, giving farmers unprecedented capabilities in monitoring and managing their crops and land. Er Asfaq, emphasised that drone technology revolutionizes agriculture by providing farmers with aerial imaging capabilities for precise crop monitoring, pest detection, and field assessment. He also highlighted that drones offer farmers valuable tools for enhancing productivity, sustainability, and precision in crop management. As technology advances and new applications emerge, drones are expected to play a very significant role in the future of agriculture sector. Farmers were also introduced to IoT devices and sensors that enable real-time monitoring of soil health, moisture levels, and even livestock conditions. The prospect of receiving instant alerts on their smartphones about changing field conditions resonated strongly with the farmers, showcasing how technology could empower them with timely, data-driven decisions.

The farmers of Anwari village actively engaged in interactive sessions with the experts during the Kisan Pathshala. The event yielded successful outcomes, evident from the positive feedback received from the farmers. Their queries were effectively addressed which has resulted a productive exchange of knowledge. The feedback of the farmers made it apparent that the program was a success as a significant majority expressed satisfaction with the event's organization and the valuable information shared by the experts, highlighting the event's high quality and impact.

The pathshala was observed under the guidance of Prof. Mohd Haris Siddiqui, Dean, Faculty of Agricultural Science and Technology and Prof. Saba Siddiqui, Head, Department of Agriculture, IIAST. The faculty coordinators Er Udayveer and Er Asfaq accompanied the students of B.Sc. (Hons.) Agriculture to the Anwari village where the Pathshala was organised.



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## Glimpses of the event

