

Workshop on Smart Farming and Actualization of Plot to Plot Data

A workshop was organized by National Agricultural Higher Education Project (NAHEP) on 18th August 2022 at Birsa Agricultural University in collaboration with Sanghavi Strategy and Consulting Pvt. Ltd. on the topic Smart Farming and Actualization of Plot-to-Plot Data'.

The Chief Guest, Dr. Parvinder Kaushal, former Vice Chancellor of Birsa Agricultural University and Dr. YS Parmar University of Horticulture and Forestry, Solan (Himachal Pradesh) said that the agricultural related projects are important for making knowable full-proof schemes implemented on the ground. Latest technologies like drones, sensors, artificial intelligence, machine learning, and geographic mapping will have to be used to get the data. With this, the necessary data will be available in advance for various agricultural operations and monitoring of the field, which could be done from the office or home. The food production in the country has increased 6 times and vegetable and fruit production has increased 12 times in comparison to 1950, but the area of land used for agriculture has not increased. Therefore, the efforts are also needed in that direction to increase the availability of land for agriculture.

Dr. Onkar Nath Singh, Vice Chancellor, BAU said that climate smart agriculture with the use of machines and nanotechnology would prove to be a milestone in increasing agricultural production and productivity, even with the use of very less input, the crop will get the same nutrition and the production will be good. Dr. M.S. Malik, Dean, Faculty of Forestry and Principal Investigator of NAHEP-CAAST project said that better productivity and crop quality can be obtained from each plot by having detailed information about each plot available in advance. This data will also prove to be very useful in providing timely advisory related to agriculture operations and weather. Dr. B.K. Jha said that drone can also be used for identification of crop pests and diseases, estimation of nutrient availability, spraying of drugs and chemicals and data analysis. Loans are being made available to the public sector institutions engaged in agricultural work on cent percent grant by the central government for the implementation of the smart farming technologies. Therefore, all the institutions should come forward to take advantage of this.

Mr. Ravi Singh, Information Technology Specialist working at University of Michigan USA, Dr. Shubh Laxmi Singh, Agriculture Scientist of Himachal Pradesh, and IT Specialists Manish Kumar, Hariprasad Jain, Srikar Reddy and Ajay also shared their views

on various aspects of Smart Farming on the behalf of Sanghavi Strategy and Consulting Pvt. Ltd.

