TAMIL NADU AGRICULTURAL UNIVERSITY

DEPARTMENT OF PHYSICAL SCIENCES & INFORMATION TECHNOLOGY

AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE

&

DIRECTORATE OF AGRI BUSINESS DEVELOPMENT

COIMBATORE

TNAU - IDP - NAHEP - ICAR

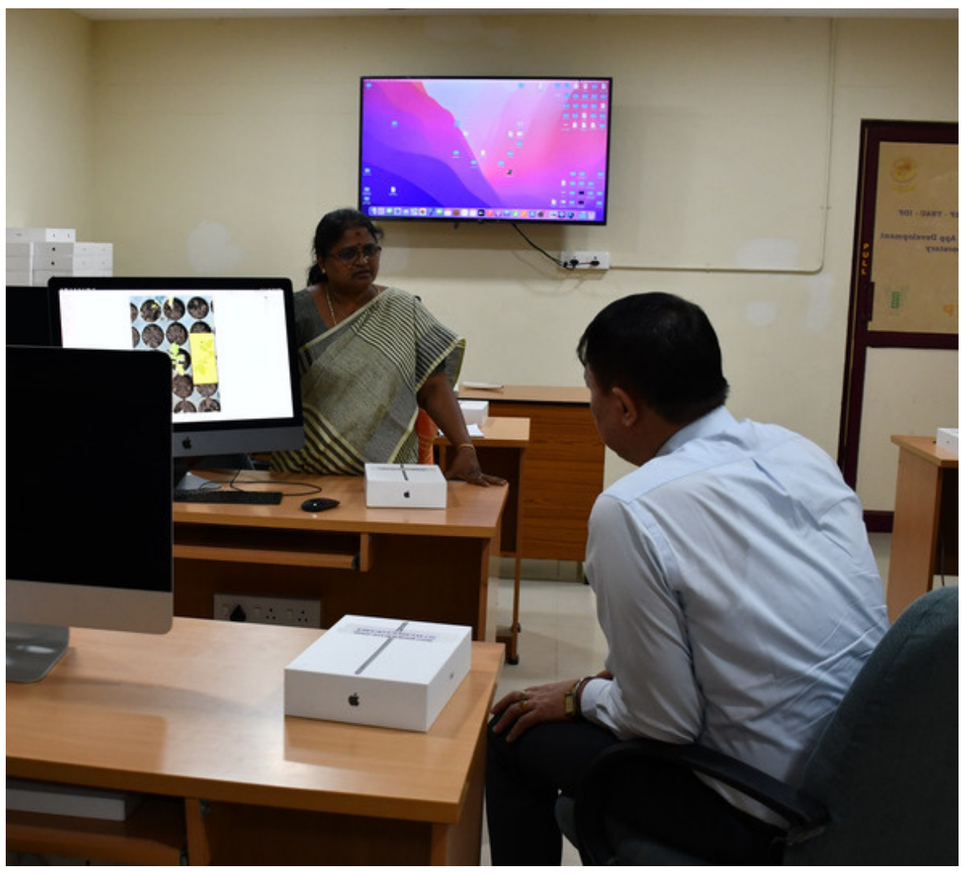
IDP Visit Programme
Director of Instruction
Central Agricultural University
Imphal

Dr. S. Basanta Singh, Director of Instruction, Central Agricultural University, Imphal visited Virtual Platform Based Laboratories established under TNAU-IDP, ICAR-NAHEP at the Department of Physical Sciences and Information Technology, Agricultural Engineering College and Research Institute, TNAU, Coimbatore. on 1st October 2022.

Ag-IoT dashboard explained

Ag-IoT dashboard is developed with an objective to showcase the real time sensed data from the sensors installed and commissioned at open field. The real time sensed data could be visualized in the classroom environment through the Ag -IoT dashboard Developed.

Detailing mobile application development being carried out in iOS App Development laboratory



> showcasing mobile application development Process

Augmented Reality Experience

Augmented Reality (AR) based Class Modules is a superimposed visual representation of learning material into the real world to impart interactive learning to make the teaching and learning surface more intelligent. Dr. S. Basanta Singh, Director of Instruction experienced AR content of "Downy Mildew in Grapes".

Computer Aided Teacher Augmentation (CoATA) Experience

Computer Aided Teacher Augmentation (CoATA) is a simulated teaching content to aid the teachers to improvise teaching and learning process. CoATA reusable learning object is accessible via desktop computers in classroom environment. Dr. S. Basanta Singh, Director of Instruction experienced CoATA content of "Operational Procedure for Hitching and Unhitching of Implements with Tractor" at Augmented Reality (AR) cum Computer Aided Teacher Augmentation (CoATA Laboratory).

Virtual Reality Experience

Virtual Reality (VR) based Class Module is an artificial environment gives immersive learning experience thereby eradicating distractions, monotony in the process of learning to improvise the learning process. Dr. S. Basanta Singh, Director of Instruction experiencing VR content of "Operational Procedure for Hitching and Unhitching of Implements with Tractor" and "Grafting Techniques in Brinjal" at Virtual Reality (VR) Leboratory.

> In Grafting Techniques in Brinjal Grafting, Moves to the highlighted area.

In Operational Procedure for Hitching and Unhitching of Implements with Tractor, Releases the handbrake.

Discussion meet

Discussion meeting chard by Dr. S. D. Sivakumar, Principal Investigator (PI), TNAU -IDP, Dr. S. Basanta Singh, Director of Instruction, Central Agricultural University, Imphal, on effect of Virtual Reality (VR) Platform based Education modules in learning environment.

IDP Team with Dr. S. Basanta Singh, Director of Instruction, Central Agricultural University, Imphal.