

5.1.3.4 Report on ICT and computing skills enhancement programs (2018-2023)

Introduction

The university recognizes the importance of Information and Communication Technology (ICT) and computing skills in modern agriculture. This report provides an overview of the ICT and computing skills enhancement programs conducted at SVPUAT from 2018 to 2023, aimed at equipping students with the knowledge and skills to leverage technology in agricultural practices.

Objectives:

The primary objectives of the ICT and computing skills enhancement programs at SVPUAT were as follows:

- a) Develop proficiency in using ICT tools and software relevant to agriculture.
- b) Foster an understanding of computing concepts and their applications in agriculture.
- c) Enhance data management and analysis skills for effective decision-making.
- d) Promote digital literacy and information literacy among students.
- e) Prepare students for the digital transformation of the agriculture sector.

Program Initiatives

The university had implemented various initiatives to achieve the aforementioned objectives:

ICT Training Classes

Value added classes were conducted to familiarize students with ICT tools and software used in agriculture. These classes covered topics such as data collection and analysis, Geographic Information Systems (GIS), farm management software, and agricultural mobile applications.

Computing Skills Development

The university offered courses and practical training programs to develop students' computing skills. These programs covered fundamental computing concepts, programming languages, database management, and web development relevant to agricultural applications.

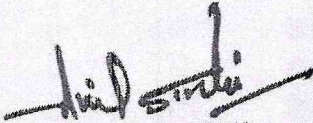
Data Management and Analysis

The university focused on enhancing students' data management and analysis skills. Training programs were conducted on data collection techniques, data organization, statistical analysis, and interpretation for evidence-based decision-making in agriculture.

Digital Literacy Programs

SVPUAT aimed to improve students' digital literacy skills by offering training programs on using productivity software, online collaboration tools, internet research, and information


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evaluation. These programs equipped students with the necessary skills to effectively navigate the digital landscape.

Integration of Technology in Practical Assignments

SVPUAT incorporated the use of technology and computing skills in practical assignments, research projects, and laboratory exercises. This hands-on approach allowed students to apply their ICT and computing knowledge in real-world agricultural scenarios.

Industry Collaborations and Exposures

SVPUAT fostered collaborations with industry partners and technology companies to provide students with industry exposure and internship opportunities. These collaborations facilitated knowledge-sharing, practical experiences, and a deeper understanding of the integration of ICT and computing in the agricultural sector.

Assessment and Feedback Mechanisms

To evaluate the effectiveness of the ICT and computing skills enhancement programs, SVPUAT implemented assessment and feedback mechanisms. Students' progress was assessed through practical assignments, programming projects, examinations, and data analysis exercises. Feedback sessions were conducted to provide constructive criticism and guidance for improvement.

Impact and Benefits:

The ICT and computing skills enhancement programs at SVPUAT have yielded several positive outcomes for students, including:

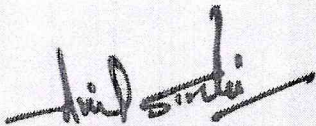
- a) Enhanced proficiency in using ICT tools and software relevant to agriculture.
- b) Improved understanding of computing concepts and their applications in agriculture.
- c) Enhanced data management and analysis skills for evidence-based decision-making.
- d) Increased digital literacy and information literacy skills.
- e) Better preparedness for the digital transformation of the agriculture sector.

Conclusion:

The ICT and computing skills enhancement programs implemented at the university from 2018 to 2023 have played a crucial role in equipping students with the necessary knowledge and skills to leverage technology in agriculture. By focusing on ICT training, computing skills development, data management, and digital literacy, the university has prepared students for the digital era in agriculture. The industry collaborations and practical experiences have provided students with valuable exposure and opportunities to apply their ICT and computing skills in real-world agricultural contexts. The assessment and feedback mechanisms have ensured the continuous improvement of these programs, enabling university to stay updated with the latest advancements and tailor the programs to meet the evolving needs of students.



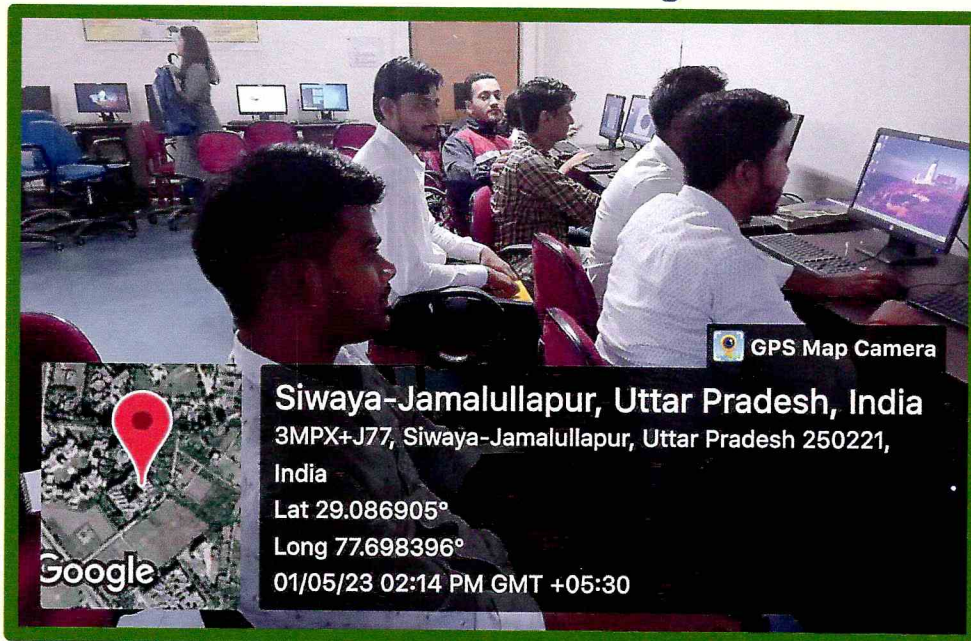
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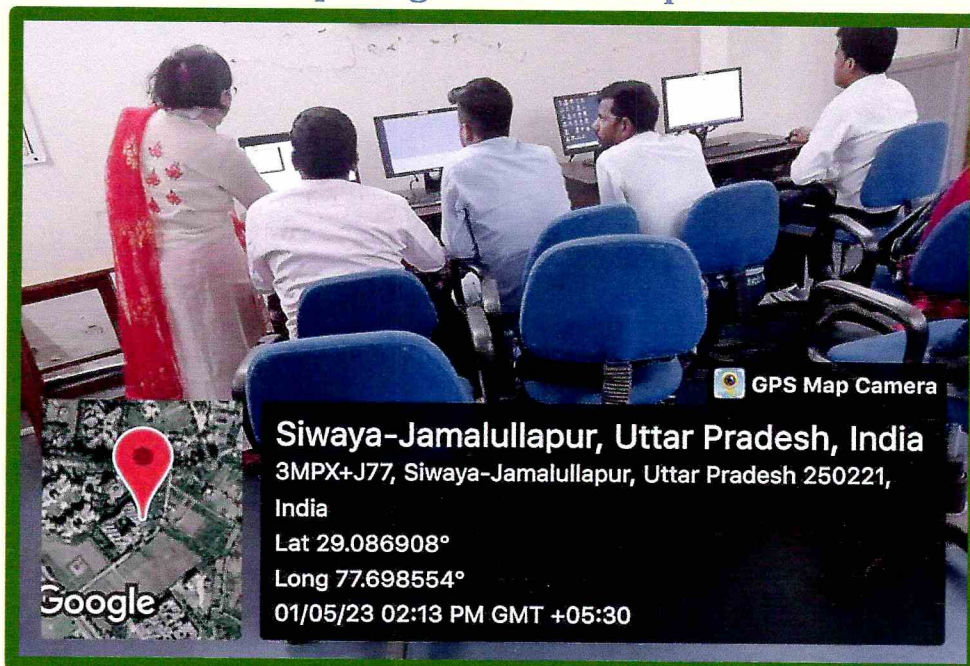
5.1.3.4 Photographs on ICT and computing skills enhancement programs (2018-2023)

Program Initiatives ICT Training Classes



University students attending Hands on practice during session in ICT Classes

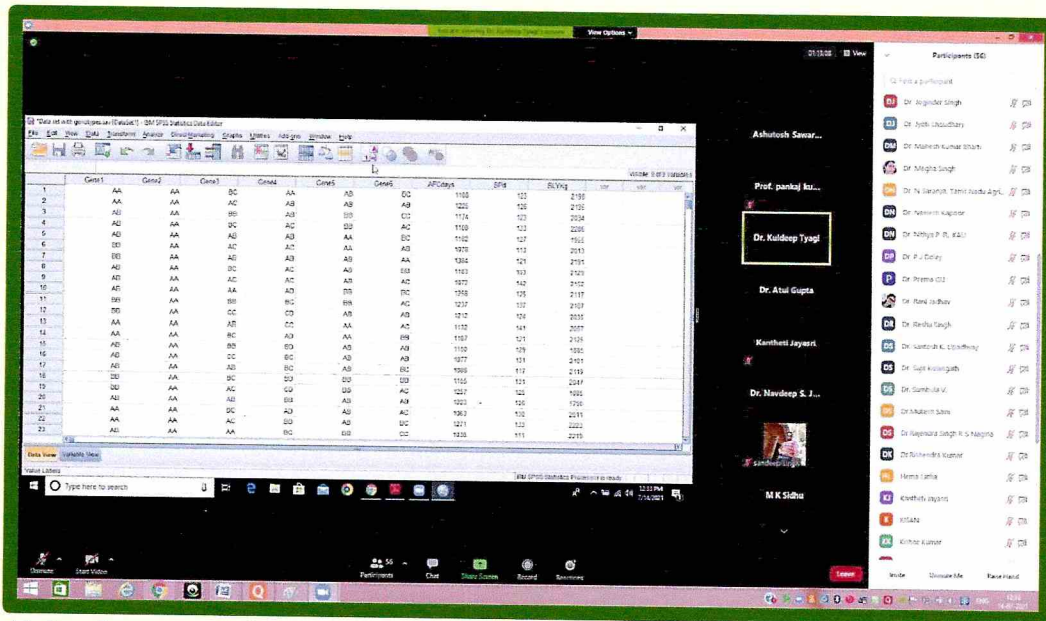
Computing Skills Development



Computer language classes for university students being taken up by Dr. Vinita Verma, Professor, Computer Application in ICT Lab of the university

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Data Management and Analysis



Online lecture on data analysis using SPSS software for the university students by Dr. Kuldeep Kumar Tyagi, Professor, Animal Genetics and Breeding

Digital Literacy Programs



Participation in online lectures by university students using zoom platform being conducted by the Centre of Excellence in Agri-Biotechnology established in the University

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Genetic changes are key to NHL development & progression

Frequent mutation of histone-modifying genes in NHL

Nature, 2011

DDX3X: DEAD box helicase (ATP-dependent RNA modifier)

Highly conserved helicase core

➤ Implicated in DDX3X syndrome, associated with impairment of intellectual capabilities

Dr. N. K Verma Nanyang Technological University, Singapore delivered lecture and interacted with University Students through Zoom Platform on 10.09.2022

Integration of Technology in Practical Assignments



Smart classroom teaching for the university students Dr. Vinita Verma, Professor, Computer Application


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**Hon'ble Chancellor of the University and Governor, Uttar Pradesh Inaugurated
Drone Pilot Training cum Research and Development Centre in the University on
21.2.2024**



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Hon'ble Chancellor of the University along with Hon'ble Agriculture Minister, Uttar Pradesh reviewed Drone Technology work in the University on 16.12.2022



Drone Technology being demonstrated to Students of the University by Dr. Vipin Kumar, Professor (Horticulture), in the University Farm

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