Visit Report
Date: August 28, 2025
Location: KVK Baramati

Purpose of Visit:
To interact with KVK scientists and discuss research proposals from the Civil, AIDS, and E&Tc departments focused on AI-based agricultural applications.

Details of Visit:

On August 28, 2025, a meeting was conducted at Krishi Vigyan Kendra (KVK), Baramati, involving the scientists from KVK and representatives from the Civil, AIDS, and Electronics & Telecommunication (E&Tc) departments. The key agenda was to discuss potential research collaborations aimed at developing AI-driven solutions for agricultural challenges.

Key Discussions:

- Presentation of research proposals by the Civil, AIDS, and E&Tc departments focusing on AI applications in agriculture, including precision farming, crop monitoring, pest detection, and resource optimization.
- KVK scientists shared insights on local agricultural practices, existing challenges faced by farmers, and potential areas where AI technology could have maximum impact.
- Exploration of collaborative frameworks to integrate expertise from multiple disciplines for developing practical, farmer-friendly AI tools.
- Discussed the possibility of pilot projects in the Baramati region to validate AI models and technologies before broader implementation.

Outcomes:

- Agreement on initiating a joint research project focusing on AI-based pest detection and crop health monitoring.
- Commitment from KVK scientists to provide field data and expert feedback to guide the AI model development.
- Scheduled follow-up meetings to finalize project details, timelines, and resource allocation.

Next Steps:

- Formation of a joint research team with members from KVK and the participating departments.
- Development of a detailed project plan with defined milestones.
- Planning for a pilot implementation phase in the upcoming cropping season.

Conclusion:
The visit to KVK Baramati was productive and set a positive foundation for interdisciplinary collaboration on AI-driven agricultural research. The mutual exchange of knowledge and commitment from all parties is expected to significantly contribute to advancing sustainable agriculture through innovative technology.

Figure1a): Interaction with KVK Baramati scientist Snapshot.

Figure 1b): Interaction with KVK Baramati scientist Snapshot.