Practical Techniques In Plant Breeding And Genetics

8:45 AM - 10:15 AM: Session 1: Introduction to Plant Breeding and Genetics

Overview of plant breeding and genetics.
Techniques for genetic analysis and breeding.
Case studies on successful plant breeding projects.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Breeding Techniques

Hands-on techniques for molecular breeding.
Marker-assisted selection and genomic selection.
Practical session on genotyping and phenotyping.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Quantitative Genetics

Introduction to quantitative genetics in plant breeding.
Practical demonstration of quantitative trait loci (QTL) mapping.
Discussion on applications in crop improvement.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Case Studies and Applications

Review of significant case studies in plant breeding and genetics.
Applications in developing new crop varieties.
Future trends and research directions.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.
Certificate Issue

5:30 PM: Workshop Concludes