

Business Case

Agriculture Department

Tissue Culture Traceability in BMFC

- ▣ Better planning, execution, and actionable insights into day-to-day operations
- ▣ Comprehensive traceability from Farm to Saplings
- ▣ Better visibility and control over contamination and mortality
- ▣ IOT Sensors' integration
- ▣ Blockchain for Immutable and reliable data

Blockchain/IoT/QR Labelling

- ▣ Monitor work efficiencies of technicians.
- ▣ Build process efficiency to eliminate the misplacement and mixing of the cultures.
- ▣ Facilitate the Production & resource Planning & Scheduling more efficiently and effectively.
- ▣ Integrate the solution with external hardware devices such as QR Code printer and IOT Sensors.

Outcome/Benefits

- ▣ Digitize the complete work cycle of tissue culture process at the proposed facility (BMFC) using Blockchain platform.
- ▣ Eliminate the book-based system by digitizing the entire tissue culture life cycle process.
- ▣ Enable tracing and tracking ability for each subculture to visualize the trajectory of each subculture from its mother culture.

