

The Project entitled "Sustainable Food Security through: Technological Interventions for Production, Processing and Logistics" was commenced in January 2014.

Thematic research areas and key research issues

Thematic Research Area	Research Issues
Strategic and operational support	Food requirement Analysis
	Procurement and Packaging requirements
	Storage and Transportation requirement
	Stock management & replenishment policy
	Quality Control
	Information and communication technology (ICT) and waste control
	Multi-model hierarchical strategic modelling
Food grain production	Mechanization in food production
	Water and nutrient management
	Climate change adaptations and mitigations
Post-harvest Technology	Grain processing and storage
	Stored food grain quality
Biotechnological solution	Functional Genomics of rice crop for improvement of grain yield and product quality
	Metabolomics for developing biomarkers as a tool to evaluate the superior phenotypes of cereal cultivars
	Food security by reduced dietary intake: <i>Low cost nutraceuticals development from rice, wheat and coarse grains</i>
	Developing sensitive diagnostic kit for detection of pathogens in stored food grains
Social & Economic Impact Analysis	Dietary requirements, policy implications, social protection, health and education services, labour laws.
	Man-power, training, employment generation, food subsidy and other investment, role of private sectors, socio economic indicators