List of selected concept notes applied for AgriEnIcs Grand Challenge 2022:

Ref. No.	Project Title	Project Coordinator
100	e-Paint based capacitive sensing system: A Low-cost, portable adulterant detector of mustard oil	Barnali Ghatak
102	An Integration of IoT and Geographic Information System (GIS) based Soil Quality Monitoring System for Agricultural Production.	SreenivasaRao Amaraneni
106	"NIR spectroscopic aided rapid non-destructive evaluation of grape fruits Grape (Vitis vinifera) for fresh marketing and wine quality"	Rajadurai K R
117	Livestock IoT platform for Large scale Sheep and goat precision farming	Kishore M R
127	Development of 4 DoF Gantry robot for selective harvester leaves and flower.	Pasupathy SA
145	Tea Leaf Manipulator, for selective tea leaf plucking using image processing and image recognition.	SAQLAIN RASHID
146	Intelligent Add-on System for fruit quality grading.	Dr Shanmugakumar Murugesan
147	Machine Learning Based IoT Device for Analysis of Quality (sugar content and acidity) of Sugarcane	Amrita Mukherjee Ganguli
152	Development of high resolution geo-smart soil management zone as an agri-technology implementation platform in Eastern Himalayan foothills of Jalpaiguri District, West Bengal	SUDIPTA CHATTARAJ
159	Unmanned Aerial Vehicle mounted Lab Grade Calibrated Sensors to Simultaneously Monitor Air, Water & Soil Quality in Real Time over the Internet via Remote Guided Missions.	Kaustav Thakur
165	MetaspeQ CT: Blockchain traceability of cash crops based on IoT enabled AI spectroscopy for rapid detection of pungency and moisture content across the value chain.	Dilip Sing
167	IoT based detection of microbial activity in aquaculture systems	Vikash Kumar
169	Development and evaluation of Remote Controlled cashew fruit picker	DR MANJUNATHA KRISHNAPPA
182	Mobile app based Poultry management system integrated with AI enabled poultry rate predictor	Mr Karthikeyan Ramanathan
187	SMART Milk-Can for safe and secured procurement of raw milk	Dr Rajasekhar Tellabati
197	SmartKrishi	Mr Karthik Eashwaran
212	JyoSH Agriculture Robot for automation of Weed Management and Crop health monitoring	Dr Sharadchandra Lohokare
213	A Nano Based Biosensor for the Detection of Virus in Bell Pepper	Dr Anitha V R
233	Soil Health Monitoring and restoration using ProSOIL- An Integrated Platform. We aim at manufacturing a microfluidic Soil On Chip device with predefined sensing areas to perform testing. Portable device with small strip based device and capillary electrophoresis as detection system for quantitative qualitative analysis of soil.	Mrs Sudha Ramesh Karbari
253	Development of miniaturized handheld system for quality analysis of spices	Dr Amruta Behera

Ref. No.	Project Title	Project Coordinator
270	An AI Powered Surveillance system for livestock behavior detection in real time and analytical insights generation software suite	Dr Alok Kumar Singh Kushwaha
279	An IOT enabled portable spectrometer and sensor for point-of-use detection of mycotoxins in agricultural produce	Dr Kapil Sadani
283	IoT technology implementation for cattle health monitoring system benefitting dairy farmers & cattle welfare through mobile apps and alerts.	Mr AnandaKumar Mishra
285	IoT based smart system design and development for precision farming and technology dissemination among farming community.	Dr MihirKumar Mahata
287	Design & Development of a customizable chilli Harvesting module as a mobile robot attachment	Mr Trivikramkumar Dogga
291	Environment and soil monitoring of agricultural farm using IoT enabled smart device	Dr Manju Chattopadhyay
297	Development of handheld device for the non-destructive detection of storage diseases of onion to reduce the postharvest loss in domestic and export market system	Dr Beaulah Andithevar
302	Low cost portable multi angle combined NIR and Raman Spectrometer for analysis of quality of fruits or vegetables	Dr Ranjita Ghosh Moulick

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