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

Ref. No.	Project Title	Affiliation	Applicant
100	e-Paint based capacitive sensing system: A Low-cost, portable adulterant detector of mustard oil	SBH ELECTROCLOUD PVT. LTD.	Barnali Ghatak
102	An Integration of IoT and Geographic Information System (GIS) based Soil Quality Monitoring System for Agricultural Production.	Dept of Chemistry SoE Dayananda Sagar university ,bangalore	SreenivasaRao Amaraneni
106	"NIR spectroscopic aided rapid non-destructive evaluation of grape fruits Grape (Vitis vinifera) for fresh marketing and wine quality"	TNAU	Rajadurai K R
117	Livestock IoT platform for Large scale Sheep and goat precision farming	RearlyTech Private Limited	Kishore M R
127	Development of 4 DoF Gantry robot for selective harvester leaves and flower.	Zeekers Employment Pvt Ltd	Pasupathy SA
145	Tea Leaf Manipulator, for selective tea leaf plucking using image processing and image recognition.	EDUQUIS TECHNOLOGY	SAQLAIN RASHID
146	Intelligent Add-on System for fruit quality grading.	Seventh Horse AgriTech Private Limited	Dr Shanmugakumar Murugesan
147	Machine Learning Based IoT Device for Analysis of Quality (sugar content and acidity) of Sugarcane	Arogyam Medisoft Solution Pvt Ltd	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	INDIAN COUNCIL OF AGRICULTURAL RESEARCH	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.	Rchobbytech Solutions Pvt Ltd	Kaustav Thakur

Ref. No.	Project Title	Affiliation	Applicant
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.	Ayudyog Private Limited, Kolkata	Dilip Sing
167	IoT based detection of microbial activity in aquaculture systems	Central Inland Fisheries Research institute	Vikash Kumar
169	Development and evaluation of Remote Controlled cashew fruit picker	ICAR Directorate of Cashew, Research, Puttur, Karnataka	DR MANJUNATHA KRISHNAPPA
182	Mobile app based Poultry management system integrated with AI enabled poultry rate predictor	DESOK Technologies	Mr Karthikeyan Ramanathan
187	SMART Milk-Can for safe and secured procurement of raw milk	College of Dairy Technology, Sri venkateswara Veterinary University	Dr Rajasekhar Tellabati
197	SmartKrishi	INVENTBOTICS	Mr Karthik Eashwaran
212	JyoSH Agriculture Robot for automation of Weed Management and Crop health monitoring	JyoSH AI Solutions	Dr Sharadchandra Lohokare
213	A Nano Based Biosensor for the Detection of Virus in Bell Pepper	BMS Institute of Technology and Management	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.	Arkashine Innovations Pvt Ltd	Mrs Sudha Ramesh Karbari
253	Development of miniaturized handheld system for quality analysis of spices	SpectraSense	Dr Amruta Behera
270	An AI Powered Surveillance system for livestock behavior detection in real time and analytical insights generation software suite	Guru Ghasidas Vishwavidyalaya Bilaspur	Dr Alok Kumar Singh Kushwaha

Ref. No.	Project Title	Affiliation	Applicant
279	An IOT enabled portable spectrometer and sensor for point-of-use detection of mycotoxins in agricultural produce	Intelligent Sensing and Remediation Technologies	Dr Kapil Sadani
283	IoT technology implementation for cattle health monitoring system benefitting dairy farmers & cattle welfare through mobile apps and alerts.	Cowbit Technologies Pvt Ltd	Mr AnandaKumar Mishra
287	Design & Development of a customizable chilli Harvesting module as a mobile robot attachment	XMachines	Mr Trivikramkumar Dogga
291	Environment and soil monitoring of agricultural farm using IoT enabled smart device	Devi Ahilya University, Khandwa Road , Indore	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	Department of postharvest technology HC and RI Periyakulam Theni District	Dr Beaulah Andithevar
302	Low cost portable multi angle combined NIR and Raman Spectrometer for analysis of quality of fruits or vegetables	Bio Nano Integra Healthcare OPC Pvt Ltd	Dr Ranjita Ghosh Moulick

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