

YUKTI INNOVATION CHALLENGE 2023

YUKTI Innovation Challenge 2023 was jointly organized by MoE'S Innovation Cell and IIC. Dr B Vishnupriya, Assistant Professor, PG and Research Department of Biotechnology participated in the Event. She was presented her innovation on "Independent Adjustable Self Lifter for Elders". Her Innovation was shortlisted one among the 135 innovations all around India. The total amount of Rs 3, 00,000 is sanctioned for product Development and the duration is about one year 2024-2025.

YUKTI Innovation Challenge 2023

List of Innovations eligible for grant assistance from AICTE/MIC

Sr.No	Innovation ID	Innovation title	Team Leader Name	State	Recommended Amount (in Rs)
1	IR2023-861773	Flow Technologies	Bokka sai mouryan reddy	Telangana	₹ 6,00,000.00
2	IR2023-858233	Narpawin herbal hairoil	Charulatha V.K	Tamil Nadu	₹ 2,50,000.00
3	IR2022-822048	Smart Wearable Band	DR. A.SIVASANGARI	Tamil Nadu	₹ 4,00,000.00
4	IR2023-835200	Development of Transdermal Drug Delivery Systems of Iron Using Natural Skin Permeation Enhancers	Dr. Avinash R. Tekade	Maharashtra	₹ 3,00,000.00
5	IR2022-779116	Cuff less BP Measurement	Dr. Dhananjay Eknath Upasani	Maharashtra	₹ 5,00,000.00
6	IR2022-807792	Automated level detector and alert system for IV Drip	FREDIKSHA S WILSON	Tamil Nadu	₹ 5,00,000.00
7	IR2023-864679	NOVEL COMPOSITION OF LOW COST WOUND DRESSING NATURAL NANOFORMULATION	HANNAH VASANTHI	Puducherry	₹ 4,00,000.00
8	IR2022-786549	All-in-one Diagnostic Medical Device capable of measuring Spo2, Blood Pressure, Pulse Rate , Respiratory Rate and Body Temperature.	Hardik Lal	Delhi	₹ 3,00,000.00
9	IR2022-810756	Bio Sim	L.Dhiviyalakshmi	Tamil Nadu	₹ 5,00,000.00
10	IR2022-797023	Cold Plasma Device for Chronic and Acute Wound healing	Rajesh Kumar Gandhirajan	Tamil Nadu	₹ 5,00,000.00
11	IR2022-814626	Lowcost Hearing Aid - Backyard Creators	SAKTHI KIRUTHIKA B	Tamil Nadu	₹ 5,00,000.00
12	IR2023-832488	Design and development of garments for post- surgery breast cancer patients	Shruti Dilip Porwal	Maharashtra	₹ 5,00,000.00
13	IR2022-784221	Independent Adjustable Self lifters for Elders	Vishnupriya B	Tamil Nadu	₹ 3,00,000.00
14	IR2023-830608	MEND	Chirag Shah	Maharashtra	₹ 5,00,000.00
15	IR2024-897411	Smart Saline Level Monitoring System	JEEVEEKA K	Tamil Nadu	₹ 4,00,000.00
16	IR2023-853846	Kadam- Drink spiking detection kit	Kavya Mistry	Gujarat	₹ 4,50,000.00
17	IR2023-864616	G.R.A.C.E. (Gesture Robust Arduino Controller Equipment)	Panem Chaitanya Pavan Kumar	Tamil Nadu	₹ 5,50,000.00
18	IR2022-787398	Parkinson's Disease Diagnosis by using low-cost colorimetric(dual) paper nano-biochip	SONIA JOSEPH	Karnataka	₹ 4,00,000.00
19	IR2023-856491	AIR(Asthmatics In Rescue)	Suchandrahas Medamalli	Andhra Pradesh	₹ 3,00,000.00
20	IR2022-787150	Rapidly Disintegrating Patches for Oral Cavity Disorders	Vivek Ghate M	Karnataka	₹ 4,00,000.00



21	IR2023-862328	KRISHI AYUDH-the smart weed remover arm	Aasritha	Telangana	₹ 2,00,000.00
22	IR2022-770453	Peanut Qualifier for Price Fixation	B. Ganapathy Ram	Tamil Nadu	₹ 5,00,000.00
23	IR2022-782877	CART-TECH	BALLA SAI MRUDULA	Telangana	₹ 8,00,000.00
24	IR2022-773024	Matsya The Surface Vehicle	Divyang Kumar P	Karnataka	₹ 5,00,000.00
25	IR2023-862491	Avapro: An ecofriendly probiotic formulation for discouraging the use of antibiotics and chemical growth hormones in poultry feed	Dr. Manisha Vishal Junnarkar	Maharashtra	₹ 3,00,000.00
26	IR2022-808854	SOLAR POWERED SEED SOWING MACHINE	Dr.B.Karthikeyan	Tamil Nadu	₹ 6,00,000.00
27	IR2022-791548	Power Research Consulting	Er Navneet Sharma	Himachal Pradesh	₹ 2,00,000.00
28	IR2022-807677	Plant leaf detection and classification using ANN	K Sindhuja	Telangana	₹ 2,00,000.00
29	IR2022-771379	FABRICATION OF ADJUSTABLE DRUM SEEDER	K. Ajay	Tamil Nadu	₹ 2,00,000.00
30	IR2022-771246	ECO FRIENDLY INTERLINKED HYBRID ABSORBENT POLYMER AS PLANTING MEDIUM FOR REDUCING FREQUENCY OF IRRIGATION	K. Sudhakar	Tamil Nadu	₹ 2,00,000.00
31	IR2022-782028	Shini Unicorns	MATHESWARAN MM	Tamil Nadu	₹ 5,00,000.00
32	IR2022-794946	Essential Oil Nanoemulsion encapsulated Biopolymer as an effective delivery system towards stored pest control ""	N. Chandrasekaran	Tamil Nadu	₹ 2,00,000.00
33	IR2023-861972	OZZE-SENSING THE FLOW	pragada satwik	Telangana	₹ 2,00,000.00
34	IR2023-861321	Kamadhenuvu-Hay and Water dispenser for Cattle	Pundra Sudhensh Reddy	Telangana	₹ 3,00,000.00
35	IR2023-861381	Terra-Smart-Compost	Ratnala Sai Ganesh	Telangana	₹ 2,00,000.00
36	IR2023-835995	BANAFIB - Edible Cutlery From Agricultural Bio-waste	Shinduja Vetriseivan	Tamil Nadu	₹ 2,00,000.00
37	IR2023-854100	Bharat Godam -Agriculture Warehouse Management and Monitoring System	Shruti Mehata	Gujarat	₹ 5,00,000.00
38	IR2023-861547	Ecofriendly anti-tick Phyto formulation	SNEHA.E	Tamil Nadu	₹ 2,00,000.00
39	IR2022-767646	AGRI CONNECT	VINISH S	Tamil Nadu	₹ 2,00,000.00
40	IR2024-897034	Synthesis of a cost-effective novel biopolymer stabilizer for drinking water pipelines to inhibit the corrosion	Abhishek Tyagi	Rajasthan	₹ 1,00,000.00
41	IR2023-835831	Manually operated Briquetting machine	AJAY KUMAR CHOUBEY	Delhi	₹ 5,00,000.00
42	IR2022-774980	HydroGravitiricity	Anik Panja	Andhra Pradesh	₹ 1,00,000.00
43	IR2022-799264	Cardamom Cleaning Machine	Ansan P Sam	Kerala	₹ 3,00,000.00
44	IR2022-766198	RuBisCO Nanohydrogel for CO2 sequestration	Balasubramanian Velramar	Chhattisgarh	₹ 2,00,000.00
45	IR2023-865114	Desert Soilification Technology	DIKSHA KUMARI	Rajasthan	₹ 4,00,000.00

46	IR2023-837213	Glove easy - coffee bean harvester	Divagar S	Assam	₹ 2,00,000.00
47	IR2022-774772	Development of Microalgal Fortified Food Products and Food Supplements	Dr. Md. Akhlaqur Rahman	Uttar Pradesh	₹ 3,00,000.00
48	IR2022-808334	Sustainable Sandwich Composite Circular Manhole Cover Designed for Pedestrian Networks	Dr. Shilpa Pankaj Kewate	Maharashtra	₹ 4,00,000.00
49	IR2022-809355	ULTRASONIC AND EVAPORATIVE SEWAGE TREATMENT WITH ROLLER AND VIBRATING FILTERS	HIRTHIK ROSHAN A B	Tamil Nadu	₹ 3,00,000.00
50	IR2023-857770	FishCrop	Shivam Kumar	Madhya Pradesh	₹ 3,00,000.00
51	IR2023-861018	AUTOSAP: Automated Preparation Of Seedlings Before Harvesting	Suyog Patil	Maharashtra	₹ 3,00,000.00
52	IR2023-885095	Hydro Energy Powered and Water Conservative Pump (HEP WaCo Pump)	Wahengbam Manimatum Meitei	Manipur	₹ 2,00,000.00
53	IR2023-833452	Krafr Global lyfstyle	Abhay singh solanki	Karnataka	₹ 4,00,000.00
54	IR2022-818042	Oxy power filter	Chinmay Patel	Maharashtra	₹ 5,00,000.00
55	IR2023-856215	Bringing a Smile to Women's faces in India with Medicated Bindis	Chirantan Tanaji Sonawane	Maharashtra	₹ 3,00,000.00
56	IR2023-856379	GRINDER 2.0	Devaprasath	Tamil Nadu	₹ 5,00,000.00
57	IR2022-821626	PCM ASSISTED COLD STORAGE FLASK FOR MOTHER'S MILK	Dr.N.Vasudevan	Tamil Nadu	₹ 6,00,000.00
58	IR2022-792837	METHOD FOR PREPARATION OF TITANIUM DIOXIDE NANOPARTICLES FROM Solanum tuberosum PEEL EXTRACT AND APPLICATIONS THEREOF	Koyeli Girigoswami	Tamil Nadu	₹ 3,00,000.00
59	IR2023-865460	Portable Decoction of (Kashaya) making Machine	MADHUSIVASANKARI M	Tamil Nadu	₹ 4,00,000.00
60	IR2022-794465	electronic cylinder for mechanical jacquard machine	nishanth	Tamil Nadu	₹ 4,00,000.00
61	IR2022-771500	Spicabites	S. Evangelien priyadharshini	Tamil Nadu	₹ 3,00,000.00
62	IR2023-864028	INTELLIGENT AUTOMATIC ROOM FRESHNER	S.Vidhya	Tamil Nadu	₹ 4,00,000.00
63	IR2023-862654	Panipuri Piercing Machine	Sagar Manjhi	Madhya Pradesh	₹ 4,00,000.00
64	IR2023-865475	Advanced driving simulator for immersive training and safety assessment	Allwin Joseph	Karnataka	₹ 4,00,000.00
65	IR2022-828178	Fuel FlowMeter	Ayush joshi	Chhattisgarh	₹ 3,00,000.00
66	IR2022-784207	Automatic Non-Contact Sanitation for Urinals	Dr Aswin Kumer S V	Andhra Pradesh	₹ 5,00,000.00



67	IR2022-801001	DESIGN AND FABRICATION OF INTELLIGENT ELECTROMAGNETIC BRAKES	Dr. Gurushanth B Vaggar	Karnataka	₹ 5,00,000.00
68	IR2022-793300	E-Trike	Dr.Anitha N	Tamil Nadu	₹ 5,00,000.00
69	IR2023-833279	BRISKLEAN	Manish Sugandh	Maharashtra	₹ 4,00,000.00
70	IR2024-895941	Air purifier & conditioner based on liquid mechanism	Pawan Kumar	Uttar Pradesh	₹ 4,00,000.00
71	IR2023-855818	FAST CHARGING IN ELECTRIC VEHICLES (Electro Infinity)	R.Vijaya Chaitanya	Telangana	₹ 5,00,000.00
72	IR2024-896688	Dragline KaryaVahak	Tanya Shekhawat	Madhya Pradesh	₹ 4,00,000.00
73	IR2024-897194	Economic AI based Smartboard	Amir Zakaria	Maharashtra	₹ 4,00,000.00
74	IR2022-781980	EngineersConnect	Bhushan Gaikwad	Maharashtra	₹ 10,00,000.00
75	IR2023-874583	AR Based Smart Education	Devaki. K	Tamil Nadu	₹ 3,00,000.00
76	IR2022-797313	Sensory cards from Banana stem fibre	Dhanya N	Kerala	₹ 4,00,000.00
77	IR2023-831042	HEAD MOVEMENT AND VOICE CONTROLLED WHEELCHAIR FOR QUADRIPLLEGIC PATIENTS	DR SUMIT SINGH PHUKELA	Haryana	₹ 4,00,000.00
78	IR2022-773491	Withanolide A -a potent inhibitor of mitochondrial HSP90 of Hepatocellular Carcinoma (HCC)	Dr. P.K.Praveen Kumar	Tamil Nadu	₹ 5,00,000.00
79	IR2023-865167	HAND GESTURE CONTROLLED PHYSICAL AND DIGITAL TWIN OF ROBOTIC ARM	Ojas Jain	Andhra Pradesh	₹ 6,00,000.00
80	IR2024-896565	ROCKVED - A Gamified Approach to Vedic Mathematics and ISRO	Pranav V	Karnataka	₹ 6,00,000.00
81	IR2024-896584	Vani- Speech and sound interventioapp	Saniyaa B Shetty	Andhra Pradesh	₹ 6,00,000.00
82	IR2022-782362	AsthaGraha Educational Space Game	Santo Sunny	Maharashtra	₹ 6,00,000.00
83	IR2022-800075	Fabrication of electronic kit using spectrophotometric method to detect contaminants in Oils such as olive oil and vegetable oil	shaik kareem ahmmad	Telangana	₹ 5,00,000.00
84	IR2022-764549	Certopus	Vraj Gohil	Gujarat	₹ 10,00,000.00
85	IR2023-863050	Development of Hydrogen refueling system	AJINKYA SURANJAN SALVE	Maharashtra	₹ 8,00,000.00
86	IR2023-865090	RoADAI: Road Anomaly Detection and Mapping System using IoT-Cloud and AI Techniques	ASIF IQBAL MIDDYA	West Bengal	₹ 2,00,000.00
87	IR2022-806678	COMPOSTABLE BIO PLASTIC BAGS - FROM LAB TO FAB	Dr C Sharmila	Tamil Nadu	₹ 8,00,000.00
88	IR2023-864655	Hydrogen manufacturing: Fuel for future	Dr Pratima Wadhwani	Punjab	₹ 8,00,000.00
89	IR2022-765369	Atmospheric carbon dioxide capture device	Gaurav Dwivedi	Uttarakhand	₹ 6,00,000.00



90	IR2023-859223	A cutting-edge solar energy solution for efficient generation, storage, real-time monitoring, and intelligent control of renewable energy.	Nirmal Kumar Yadav	Delhi	₹ 7,00,000.00
91	IR2024-896658	AUTO-TOTS	ROHAN STEVEN B	Tamil Nadu	₹ 3,50,000.00
92	IR2024-897600	Development of Smart Toilet System	Rudranil Nag	West Bengal	₹ 3,50,000.00
93	IR2022-808887	Wind and Solar Driven mobile charging unit	sourbh kumar	West Bengal	₹ 4,00,000.00
94	IR2024-896574	Optishovel: Precision load visibility at a glance	Agnisha Bhatta	Andhra Pradesh	₹ 5,00,000.00
95	IR2023-865502	Aqua Skimmer - A water drone to clean and maintain water-bodies (eg: Ponds, Lakes, Reservoir, River, Ocean)	Alankar Achadian	Telangana	₹ 6,00,000.00
96	IR2023-865982	AUTOMATED RAIN GAUGE	BHAGYARAJ N	Kerala	₹ 3,00,000.00
97	IR2022-804992	Upper Exo-skeleton	Dr. K. Hema Latha	Telangana	₹ 4,00,000.00
98	IR2024-897429	PORTABLE WEIGHING MACHINE FOR BOXN WAGONS	GUGAN J	Tamil Nadu	₹ 5,00,000.00
99	IR2022-786472	REAL-TIME DETECTION OF POACHING IN WILDLIFE RESERVES WITH THERMAL IMAGING AND CNN USING IoT AND ML	Kiran M	Karnataka	₹ 4,00,000.00
100	IR2024-897131	HexDoc: A robotic assistant for disaster management	Manasa Murarisetty	Punjab	₹ 5,00,000.00
101	IR2024-896987	Toxic gases detection in sewer and septic tank and alert generator	Mohit	Uttar Pradesh	₹ 4,00,000.00
102	IR2024-896414	BeltIQ - Innovative Predictive maintenance for Conveyor systems.	PUNEETH RAM P	Tamil Nadu	₹ 4,00,000.00
103	IR2024-896951	FloodSafeGIS	Agneesh Dasgupta	Assam	₹ 5,00,000.00
104	IR2023-877409	Speaklear Mobile Application	Amogh G Inamdar	Karnataka	₹ 7,00,000.00
105	IR2024-896666	Drishtikon	Debojyoti Maity	West Bengal	₹ 6,00,000.00
106	IR2024-896426	FloodVisionAI: AI-Driven GIS Mapping for Precision Flood Assessment, Revolutionizing Disaster Management in Today's Climate-Vulnerable World.	Harsh Sunil Gugale	Maharashtra	₹ 5,00,000.00
107	IR2023-861872	AccessEase: A Mobile App Empowering Accessibility for Physically Challenged Individuals.	Murugeswari Ananthakumar	Tamil Nadu	₹ 4,00,000.00
108	IR2024-897221	Leveraging the power of deep learning to overcome the challenges of marine engineering and improve vessel operations.	Nidam Kumar Jha	West Bengal	₹ 6,00,000.00
109	IR2024-896057	Smart Realtime Street Parking Management	Sam Varghese	Maharashtra	₹ 4,50,000.00



110	IR2023-865457	DAWN AR GLASSES: Augmented reality for consumer use cases	Shourya Watwani	Maharashtra	₹ 5,00,000.00
111	IR2022-814267	OnlineLR	SNEHAL GAJJAR	Gujarat	₹ 4,00,000.00
112	IR2024-896643	Dream Dwell XR: Elevating House Models into Extended Reality	Subramani S	Andhra Pradesh	₹ 5,00,000.00
113	IR2022-797022	Consensus of Hourly Visibility Forecast for Airports Using NWP Model and Observations	Tushar H. Ghorpade	Maharashtra	₹ 2,50,000.00
114	IR2023-862919	PET-Fil - A device that can upcycle waste PET Bottles into sustainable and affordable 3D Printing Filaments.	Aditya Upadhyay	Madhya Pradesh	₹ 7,00,000.00
115	IR2024-897421	Bio-degradable and Plantable Packaging Material Processed from Dung and Other Organic Wastes	Bheem Raj Sharma	Rajasthan	₹ 8,00,000.00
116	IR2022-808803	Development of Biodegradable Non Stick coating based on Shellac and some Synthetic Resins.	Dr Praveen Chandra Jha	Uttar Pradesh	₹ 5,00,000.00
117	IR2024-897913	Light Transmitting Concrete with Construction and Demolition Debris	M. DHANUSHRI	Tamil Nadu	₹ 5,00,000.00
118	IR2022-779246	Automated Plastering and Finishing Machine with Mortar Mixer	Palvi Kshemkalyani	Maharashtra	₹ 5,00,000.00
119	IR2022-764225	An Electric Airless Fluid Handling and Spray Machine	PRAVEEN DAAS	Tamil Nadu	₹ 5,00,000.00
120	IR2023-836355	BIODEGRADABLE NANOCOMPOSITE SUPERHYDROPHOBIC MEMBRANE FOR APPLICATION IN MEMBRANE DISTILLATION	Prof. Bhaskar Jyoti Deka	Uttarakhand	₹ 6,00,000.00
121	IR2023-830836	Aquarius	Ria P Dey	Uttar Pradesh	₹ 7,00,000.00
122	IR2022-815990	Design of Automated Incense Stick Making Machine Low-cost Solution to Uplift Farmers Cultivating Rose Flowers in Sriramnagar Village	Samyuktha	Telangana	₹ 4,00,000.00
123	IR2023-835742	Tyre safety release valve	Sankalp kadhao	Maharashtra	₹ 5,50,000.00
124	IR2024-897118	Development of motion amplification video techniques for vibration analysis	Swarnim Sawane	Telangana	₹ 4,50,000.00
125	IR2022-776680	SELF-HEALING IN SELF COMPACTING CONCRETE USING SPECIAL BACTERIA	VAIDEVI C	Tamil Nadu	₹ 3,00,000.00
126	IR2022-784606	Infrasonic, APS based Protective Bus Hood" for Amphibious Vehicles in Anti-	A Gyanesh Kumar Rao	Chhattisgarh	₹ 5,00,000.00



		Naxal operation and Indo-Chinese Border"			
127	IR2022-815141	I-Hawk	Chadalawada Chetan Sai	Andhra Pradesh	₹ 3,00,000.00
128	IR2024-896652	PhishTrap: The Ultimate Phishing Detection System	Daksh Dadhanian	Karnataka	₹ 2,00,000.00
129	IR2022-770592	DESIGN AND DEVELOPMENT OF AMPHIBIOUS DRONE	Dr Prahalad N Tengli	Karnataka	₹ 5,00,000.00
130	IR2022-780225	Design and Fabrication of an Underwater Robot for Surveillance	Dr. Haseebuddin M R	Karnataka	₹ 5,00,000.00
131	IR2024-897719	Detection of malware trojan in softwares used in power sector	Harrisjayakumar V	Tamil Nadu	₹ 3,00,000.00
132	IR2024-897407	Matsya - The Saviour	Kalyani Kodavatiganti	Telangana	₹ 3,00,000.00
133	IR2022-779842	Talk Ally	Karthickjothi M	Tamil Nadu	₹ 5,00,000.00
134	IR2023-837903	Development of a micro gas turbine engine for combat drone applications	Preetam Jamod	Jammu and Kashmir	₹ 6,00,000.00
135	IR2023-857505	Aerial Surveillance and Weather Analyser Unmanned Aerial Vehicle	Vishnu N	Kerala	₹ 2,00,000.00