

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 Vetriselvan	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	HydroGravitricity	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 Manimatam 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 Dadhania	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

YUKTI Innovation Challenge 2023 (YIC 2023)

- IIC Institute can nominate recommended innovations/prototypes
- Innovations/prototypes that are recommended by verifiers are eligible for nomination
- Institute can nominate up to 10 innovations/prototypes only
- The last date for nomination is April 30, 2023

List of recommended Innovations/Prototypes					
Sr. No.	Innovation ID	Innovation Title	Team Lead Details	Submitted Status	Round 2 Result
1	IR2023-862989	Identification and extraction of natural dye components from the Lichens of Pollachi Thaluk, Coimbatore TRL Title - TRL 4	K. Pavithra momsis1996@gmail.com	Not Submitted	Absent
2	IR2023-861780	ECOFRIENDLY SMART CHAIR POCKET HOLDER TRL Title - TRL 6	Dr.T.GOWRANI gowranit@ngmc.org	Not Submitted	Not Recommended
3	IR2023-861755	RIVER AND OCEAN CURRENT ENERGY GENERATOR TRL Title - TRL 4	SIVASURYA S noreplyjoinsuperset97@gmail.com	Not Submitted	Absent
4	IR2023-861734	Automatic Car Jack TRL Title - TRL 6	LAVANYA R lavanyaradhakrishnan025@gmail.com	Not Submitted	Absent
5	IR2023-861547	Ecofriendly anti-tick Phyto formulation TRL Title - TRL 4	SNEHA.E esnehabotany@gmail.com	Not Submitted	Recommended
6	IR2023-861226	SHOE STAND WITH SOCKS HANGER TRL Title - TRL 5	S.Kaviya kaviyashanmugam51@gmail.com 6374639554	Not Submitted	Absent
7	IR2023-861138	Namma orru online store TRL Title - TRL 4	Sujith Thirumalaisamy sujithmasi1267@gmail.com	Not Submitted	Absent
8	IR2023-860160	PREPARATION OF HERBAL CANDY FOR MENSTRUAL PROBLEM : SPECIAL REFERENCE TO OLIGOMENORRHOEA TRL Title - TRL 4	A.G.JANARANJANY janaranjany@gmail.com	Not Submitted	Not Recommended
9	IR2023-857384	AUTOMATIC BUS FARE SYSTEM TRL Title - TRL 4	ARTHI RAJI N arthiraj36@gmail.com	Not Submitted	Absent
10	IR2023-857131	Plastic Road TRL Title - TRL 5	Amarnath. D damarnath.2020@gmail.com	Not Submitted	Absent