

List of 397 Ideas Proposals approved during 7th PMAC Meeting of MSME Innovative held on 15.02.2024 & announced by Hon'ble Minister of MSME on the occasion of CPSE Conclave at Vigyan Bhawan, New Delhi on 29.02.2024.

SN o	Idea Reference No.	Host Institute Name	State/UT	Incubatee Name	Title of the Idea	Sector
1	IDEATN011648	RMD Engineering College	Tamil Nadu	Benitta J	Empowering farmers an app for self-determined pricing of agricultural products	Agriculture
2	IDEATN010847	JP College of Engineering	Tamil Nadu	Shenbaga Valli S	Development of eco-friendly sanitary napkins using pineapple leaf waste, corn fiber, and sugarcane waste	Agriculture
3	IDEAMH014004	Prof Ram Meghe College of Engineering and Management Badnera Amravati	Maharashtra	Vaishnavi Narendra Sabale	One place agro	Agriculture
4	IDEAKR011885	Jain Institute of Technology Davangere	Karnataka	Harini H V	Designing of portable device for determination of heavy metals in water.	Agriculture
5	IDEAKR012800	Vijnan Foundation for Innovation Research in Science and Technology	Karnataka	Asha N Bhat	Development of handheld compact data capture device for soil analysis using nir spectroscopy	Agriculture
6	IDEATN012923	Francis Xavier Engineering College, Tirunelveli, Tamil Nadu	Tamil Nadu	K.Prema	Sustainable design and fabrication of java plum (naval palam) essence and seed powder extracting device	Agriculture
7	IDEAWB011803	Visva-Bharati University	West Bengal	Swagatika Das	Development of nano -zno enriched biochar to enhance soil fertility and anti-microbial properties	Agriculture
8	IDEAWB011312	Brainware University	West Bengal	Shreya Bhowmick	Okra plant derived fibre production infused with natural color and insecticidal properties from lantana camara	Agriculture
9	IDEAWB012205	ICAR-Central Research Institute for Jute and Allied Fibres	West Bengal	Piyali Dey	Development of antimicrobial jute fabric by coating of zinc oxide nanoparticles	Agriculture
10	IDEATN011055	Sona College of Technology	Tamil Nadu	S.K.Kalaivani	Tractor drawn cassava planter	Agriculture
11	IDEATS010866	Engineering Staff College of India	Telangana	Vepa Vijayakameswari	Extraction of nano cellulose from desi cow dung	Agriculture
12	IDEAKR013258	Central Institute of Petrochemicals Engineering & Technology CIPET	Karnataka	Veena Sastry	Natural scrubber	Agriculture
13	IDEATS012018	St. Pauls College of Pharmacy	Telangana	Dr. Sneha Thakur	Pilot scale integrated hybrid biofertilizer and cattle waste (cow dung and sheep litter) processing unit	Agriculture
14	IDEATN010946	JP College of Engineering	Tamil Nadu	Muthu Lakshmi P	Plant based bioplastics	Agriculture
15	IDEATN012366	Karpagam Academy of Higher Education	Tamil Nadu	Dakshita K.A	Extraction of essential oil from thyme and nigella sativa for ammonia control in aquaculture	Agriculture

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140	IDEATS013150	CMR College of Engineering and Technology	Telangana	Chowhan Pavithra	Smart school bus tracking system	Miscellaneous
141	IDEATN011365	Loyola Institute of Technology	Tamil Nadu	Sujatha Jamuna Anand	To empower clean India mission, implementation of smart dustbin in public places	Miscellaneous
142	IDEATN012059	Ramco Institute of Technology	Tamil Nadu	R. Kalaimani	Sustainable light-weight building block (SLBB) and its manufacturing method	Miscellaneous
143	IDEAMH012598	Shri Ramdeobaba College of Engineering and Management, Nagpur	Maharashtra	Dr. Shilpa Pankaj Kewate	Bamboo reinforced manhole cover an innovative solution using locally available bamboo	Miscellaneous
144	IDEATN011099	SSM Institute of Engineering and Technology, Dindigul	Tamil Nadu	Keerthana S	Light up the darkness exploring the potential of light for continuous patient monitoring and secure wireless medical data transmission aiding affordable cancer treatment.	Miscellaneous
145	IDEATN013041	Velammal Institute of Technology	Tamil Nadu	M.Sivarathinabala	Vehicle cyber security in prevention of reply attack on rf and canbus systems of car	Miscellaneous
146	IDEAKR013029	RV College of Engineering	Karnataka	Sowmyanag K	Development of automated detection and grading of cashew kernels using ai approach	Miscellaneous
147	IDEATN012273	St Joseph's College of Engineering	Tamil Nadu	Vimali.S	Integrated bus system - smart transit solutions	Miscellaneous
148	IDEATN012762	St. Mother Theresa Engineering College	Tamil Nadu	Vidyashree S	Prevention of vehicle with driver having eye problem	Miscellaneous
149	IDEATN011117	Mepco Schlenk Engineering College, Sivakasi	Tamil Nadu	Benitha Vs	Generation of electrode material for supercapacitors from menace prosopis juliflora a green approach	Miscellaneous
150	IDEAWB011168	Haldia Institute of Technology	West Bengal	Payel Chatterjee	Guardian gem IOT based woman safety band	Miscellaneous
151	IDEAWB011180	Brainware University	West Bengal	Dhriti Barman	Development of high strength and durable automobile dashboard by the dispersion of jute fibre into polyester resin reinforced with egg shell filler	Miscellaneous
152	IDEATN012083	St. Joseph's Institute of Technology	Tamil Nadu	Nandhini S	Design and optimization of quantum computing circuits using VLSI techniques	Miscellaneous
153	IDEATS011394	Sreenidhi Institute of Science and Technology	Telangana	Sarada	Tour connectors	Miscellaneous
154	IDEATS012849	Kakatiya Institute of Technology and Science, Warangal	Telangana	Bathini Sriharshitha	Helmet based green signal activation at traffic signals	Miscellaneous
155	IDEATN010740	JP College of Engineering	Tamil Nadu	P. Nancy	Pure natural fibres-based toothbrush.	Miscellaneous
156	IDEATN010772	SSM Institute of Engineering and Technology, Dindigul	Tamil Nadu	Dr.M. Jeyalakshmi	Resource center establishment for storing and processing millets	Miscellaneous

SN o	Idea Reference No.	Host Institute Name	State/UT	Incubatee Name	Title of the Idea	Sector
242	IDEAAP010917	Aditya Institute of Technology and Management	Andhra Pradesh	Metta Varalakshmi	Automatic level crossing system with integrated traffic lights with timer for Indian railways	Miscellaneous
243	IDEATS011221	CMR College of Engineering and Technology	Telangana	Nukala Sai Sruthi	Arduino based pothole filler	Miscellaneous
244	IDEATS011790	CMR College of Engineering and Technology	Telangana	Y. Swathi	Anti sleep alarms preventing accidents	Miscellaneous
245	IDEAAP011765	Aditya Institute of Technology and Management	Andhra Pradesh	Kuttum Archana	Multi factor authentication (MFA) based mobile voting with proxy detection for face liveness using deep learning and face net model	Miscellaneous
246	IDEATN011553	Sona College of Technology	Tamil Nadu	Rashma.M	Dyeing of textile material using coconut flower bud extract- a sustainable approach	Miscellaneous
247	IDEATN012736	Ramco Institute of Technology	Tamil Nadu	Indhumathi M	Figure diminishing geopolymer products	Miscellaneous
248	IDEAKR011530	Nitte School Of Architecture Planning & Design	Karnataka	Nikitha M	Arteco - resources campus ready	Miscellaneous
249	IDEATN013004	Jai Shriram Engineering College	Tamil Nadu	Revathi P	Sls and paraben free - making of herbal soap, shampoo, hand wash and body wash using vegetable oils	Miscellaneous
250	IDEATN015842	PSN College of Engineering and Technology	Tamil Nadu	Preethi	Harnessing ai for afforestation and biodiversity	Miscellaneous
251	IDEATS010947	St. Martins Engineering College	Telangana	T.Bhargavi	Determining the nutritional content of dishes	Miscellaneous
252	IDEABR011852	Indian Institute of Technology Patna	Bihar	Ridhima Kumari	Artisan hub preserving Indian culture through collaborative artistry	Miscellaneous
253	IDEAAP013076	Lakireddy Bali Reddy College of Engineering	Andhra Pradesh	K. Akhila	PV powered smart handcart for street food vendors cooking food and selling on site	Miscellaneous
254	IDEAHP011861	Shoolini University Computer Science Dept	Himachal Pradesh	Payal Gupta	Design and manufacturing of light weight bins (similar to shoulders bags) for door-to-door garbage collection	Miscellaneous
255	IDEATS011469	Woxsen University	Telangana	Charu Dhyan	Develop a carbon accounting and mitigation platform to enable sustainability and economic growth	Miscellaneous
256	IDEAHR012617	J C Bose University of Science & Technology, YMCA, Faridabad	Haryana	Srishti Saransh Sahai	Alternate propulsion drive train	Miscellaneous
257	IDEAUK012708	IIM Kashipur	Uttarakhand	Shreya Sharma	Unlocking the benefits of dates for reproductive health and malnourishment across all age groups	Miscellaneous
258	IDEABR013007	Bihar Entrepreneurs Association	Bihar	Rekha Kumari	Passionate group dedicated to bringing forward the rich culinary heritage of traditional snacks.	Miscellaneous

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		Management and Technology				
290	IDEAMH015063	Deogiri Institute of Engineering and Management Studies	Maharashtra	Swati Harkanth	Reduced electrical and water consumption of air cooler by controlling water pump	Power
291	IDEAAP013503	Sagi Rama Krishnam Raju Engineering College	Andhra Pradesh	Adimulam Deepa Prabha	Grid interactive bi-directional charger	Power
292	IDEAAP015651	Ramachandra College of Engineering Eluru	Andhra Pradesh	Sappati Bhuvana Surya Sai Sudha	Wind turbine quality checking plates	Power
293	IDEAWB016289	Techno International New Town	West Bengal	Anuksha Ganguly	Waste rev- production of bio-ethanol from lignocellulosic feedstock	Power
294	IDEATN015898	Amrita Vishwa Vidyapeetham	Tamil Nadu	Vrindha Venugopal K.V.	Solar-powered cold storage for perishables an affordable pick empowering small farmers	Power
295	IDEATN016432	RMK Engineering College	Tamil Nadu	Sonyya	Wattxchange-an energy exchange/aggregation platform at peer-to-peer level that allows prosumers/consumers to contribute/sell energy at an individual level.	Power
296	IDEATN011442	Vels Institute of Science, Technology and Advanced Studies	Tamil Nadu	Dr. M. Priya	Design and development of green synthesized metal oxide catalysts for membrane less fuel cell application	Power
297	IDEAKL016973	Amrita Vishwa Vidyapeetham	Kerala	Bhagiyalakshmi Margandan	Fabrication of hybrid electrochemical device using cathodic ni based ldmos2/mxene nanocomposites and anodic mos2/mxene	Power
298	IDEAMP016278	Indo German Tool Room Indore	Madhya Pradesh	Ragini Baghel	Solar heat employer she (instant water heater, steam generator and dryer)	Power
299	IDEATN015419	Jerusalem College of Engineering	Tamil Nadu	S.Rudhra	Portable smart solar panel telescopic lifting and folding system for rental residential	Power
300	IDEATN017215	Easwari Engineering College	Tamil Nadu	Ananthi N	Solar wind roof top electricity generator (swrteg)	Power
301	IDEARJ015567	Birla Institute of Technology & Science, Pilani	Rajasthan	Shalmali Kadu	Innergize- a smart patch that helps in reducing stress and anxiety while promoting sleep and calmness	Power
302	IDEAKR011830	Jain Institute of Technology Davangere	Karnataka	Harini H V	Designing of novel nano hybrid aluminate-based electrodes for batteries and supercapacitor.	Power
303	IDEATS011457	CMR College of Engineering and Technology	Telangana	Anuhya Anne	Bio-battery	Power
304	IDEATS017085	Vidya Jyothi Institute of Technology	Telangana	Koli Shailaja	Smart roads	Power