

**Naan Mudhalvan Niral Thiruvizha 2.0
Top 50 Teams**

S.No	NMNT ID	College Name	Category	District	Theme	Problem Statement
1	NMNTSTD5131025	THANTHAI PERIYAR GOVT INSTITUTE OF TECHNOLOGY	Government College	VELLORE	Rural & Urban development/ Manufacturing/ Engineering Technology	How might we design and develop low-cost, fully automated machinery for manufacturing Athangudi tiles, enhancing production efficiency, reducing costs, and improving the livelihoods of local entrepreneurs while preserving traditional craftsmanship?
2	NMNTSTD7207819	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY	Affiliated Autonomous	COIMBATORE	Agriculture/ Food Tech	How can we design a cost-effective, user-friendly automatic mini tilling and leveling machine optimized for heavy clayey soil, reducing operator fatigue and skill requirements, and making it more accessible for small and marginal farmers?
3	NMNTSTD95080196	Government College of Engineering, Tirunelveli	Government College	TIRUNELVELI	Solid Waste/ Bio-waste/ E-waste	How might we develop a sustainable solution to reuse or recycle scrap generated in the rubber industry (such as from manufacturers of caskets, bushes, and other rubber components) to minimize waste and promote resource efficiency?
4	NMNTSTD2127001	SRI VENKATESWARA COLLEGE OF ENGINEERING	Affiliated Autonomous	KANCHEEPURAM	Artificial Intelligence	How might we develop an AI or OCR solution to digitize and convert handwritten, old registered documents into a readable and accessible format in regional languages improving public access and readability of historical records?
5	NMNTSTD11330270	Velammal Institute of Technology	Affiliated Non - Autonomous	TIRUVALLUR	Med Tech/ Bio Tech/ Health Tech	How might we develop an automatic self-cleaning toilet system with UV disinfection, hot air drying, water-saving features, and real-time tracking of nearby available toilets for enhanced hygiene and convenience?
6	NMNTSTD6112111	KNOWLEDGE INSTITUTE OF TECHNOLOGY	Affiliated Autonomous	SALEM	Smart Education/ Edu-Tech/ Skill Development	How can we develop an accessible platform for visually and hearing-impaired students, integrating sign language and visual aids to enhance accessibility and comprehension?
7	NMNTSTD7376002	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	Affiliated Autonomous	ERODE	Climate Change/ Disaster management	How might we design alternative biodegradable, non-reactive, and non-leachable food containers for packing liquid food items in hotels and restaurants, ensuring sustainability, safety, and consumer health while reducing environmental impact?
8	NMNTSTD7378088	KONGU ENGINEERING COLLEGE	Affiliated Autonomous	ERODE	Med Tech/ Bio Tech/ Health Tech	How might we design an automated drug dispenser to streamline the distribution of medications in hospitals, reducing patient waiting times, minimizing congestion, and optimizing pharmacist workloads during peak outpatient hours?
9	NMNTSTD0004015	Madras Institute of Technology, Anna University	University Departments	CHENGALPATTU	Artificial Intelligence	How might we develop an AI-enabled system for real-time conversion of speech to sign language using animated avatars, ensuring effective communication and inclusivity for persons with hearing and speech impairments during government functions and public events? This solution should eliminate the dependency on sign language experts while providing accurate and accessible communication.
10	NMNTSTD2127323	SRI VENKATESWARA COLLEGE OF ENGINEERING	Affiliated Autonomous	KANCHEEPURAM	Rural & Urban development/ Manufacturing/ Engineering Technology	How might we automate rural water supply systems with IoT-based controls, smart metering, and real-time monitoring of tank levels and water quality to ensure equitable, efficient, and sustainable distribution?
11	NMNTSTD7377880	K.S.RANGASAMY COLLEGE OF TECHNOLOGY	Affiliated Autonomous	NAMAKKAL	Climate Change/ Disaster management	How might we design alternative biodegradable, non-reactive, and non-leachable food containers for packing liquid food items in hotels and restaurants, ensuring sustainability, safety, and consumer health while reducing environmental impact?
12	NMNTSTD9202001	CHETTINAD COLLEGE OF ENGINEERING AND TECHNOLOGY	Affiliated Non - Autonomous	KARUR	Information/Communication Technology	How might we develop a versatile and dynamic website with unique ID numbers to efficiently address migrant labor issues in Tamil Nadu, enabling smooth registration, tracking, and providing timely support to migrant workers while ensuring ease of use and accessibility?
13	NMNTSTD4226036	UNIVERSITY COLLEGE OF ENGINEERING PANRUTI	University Constituent Colleges	CUDDALORE	Information/Communication Technology	How might we develop a solution to combat the theft of ration goods during transportation from godowns to PDS shops, while ensuring the enforcement of stock clearance on a FIFO (First-In, First-Out) basis for better inventory management and accountability?
14	NMNTSTD61350060	Government College of Engineering, Dharmapuri	Government College	DHARMAPURI	Artificial Intelligence	How might we build an AI-powered tool to efficiently analyze petitions, categorize them into relevant departments, flag urgent and important cases, and send reminders to officials, while also identifying repetitive grievances and tracking progress until resolution? The tool should also include a feature to communicate the status of the grievance to the petitioner, ensuring transparency and accountability.

15	NMNTSTD72180230	RATHINAM TECHNICAL CAMPUS	Affiliated Autonomous	COIMBATORE	Artificial Intelligence	How might we develop an AI-enabled system for real-time conversion of speech to sign language using animated avatars, ensuring effective communication and inclusivity for persons with hearing and speech impairments during government functions and public events? This solution should eliminate the dependency on sign language experts while providing accurate and accessible communication.
16	NMNTSTD0004107	Madras Institute of Technology, Anna University	University Departments	CHENGALPATTU	Rural & Urban development/ Manufacturing/ Engineering Technology	How might we design a system that integrates POS machines with electronic weighing machines at ration shops to ensure the correct weightment of public distribution commodities? This integration would automate billing, ensuring accurate distribution of items like rice, sugar, and wheat. The process can be monitored through a centralized dashboard by the Tamil Nadu Civil Supplies Corporation for transparency and accountability.
17	NMNTSTD1133062	Velammal Institute of Technology	Affiliated Non - Autonomous	TIRUVALLUR	Information/Communication Technology	How might we create a mobile health application that enables remote monitoring and telemedicine services for patients with chronic diseases, improving accessibility, convenience, and timely care?
18	NMNTSTD0004020	Madras Institute of Technology, Anna University	University Departments	CHENGALPATTU	Information/Communication Technology	How might we develop a mobile app that tracks and displays district-level officials' field visits and inspections with geo-tagging, allowing HODs and district collectors to review work, upload photos, and digitally sign inspection reports using mobile fingerprint/OTP authentication?
19	NMNTSTD3111208	LOYOLA - ICAM COLLEGE OF ENGINEERING AND TECHNOLOGY	Affiliated Non - Autonomous	CHENNAI	Med Tech/ Bio Tech/ Health Tech	How might we design a system to monitor the overall operations of a government hospital to monitor and provide real-time data on all aspects of patients admitted into the hospital and outpatients
20	NMNTSTD3122044	SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING	Affiliated Autonomous	CHENGALPATTU	Artificial Intelligence	How might we build an AI-powered tool to efficiently analyze petitions, categorize them into relevant departments, flag urgent and important cases, and send reminders to officials, while also identifying repetitive grievances and tracking progress until resolution? The tool should also include a feature to communicate the status of the grievance to the petitioner, ensuring transparency and accountability.
21	NMNTSTD5131001	THANTHAI PERIYAR GOVT INSTITUTE OF TECHNOLOGY	Government College	VELLORE	Rural & Urban development/ Manufacturing/ Engineering Technology	How might we automate rural water supply systems with IoT-based controls, smart metering, and real-time monitoring of tank levels and water quality to ensure equitable, efficient, and sustainable distribution?
22	NMNTSTD7378053	KONGU ENGINEERING COLLEGE	Affiliated Autonomous	ERODE	Artificial Intelligence	How might we develop an AI-enabled system for real-time conversion of speech to sign language using animated avatars, ensuring effective communication and inclusivity for persons with hearing and speech impairments during government functions and public events? This solution should eliminate the dependency on sign language experts while providing accurate and accessible communication.
23	NMNTSTD9217098	SETHU INSTITUTE OF TECHNOLOGY	Affiliated Autonomous	VIRUDHUNAGAR	Solid Waste/ Bio-waste/ E-waste	How might we develop a solution for industrial effluent and heavy metal reclamation using bio-agents and bio-products like Effective Microorganisms (EM Solution), incorporating natural beneficial organisms to restore soil and water quality?
24	NMNTSTD95080053	Government College of Engineering, Tirunelveli	Government College	TIRUNELVELI	Rural & Urban development/ Manufacturing/ Engineering Technology	How might we design a system that integrates POS machines with electronic weighing machines at ration shops to ensure the correct weightment of public distribution commodities? This integration would automate billing, ensuring accurate distribution of items like rice, sugar, and wheat. The process can be monitored through a centralized dashboard by the Tamil Nadu Civil Supplies Corporation for transparency and accountability.
25	NMNTSTD7376075	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	Affiliated Autonomous	ERODE	Information/Communication Technology	How might we create accessible VR and AR-based tools to enhance hands-on, industry-relevant training for students? The "VR-AR: Bridging the Skills Gap" challenge focuses on integrating immersive learning modules into the academic curriculum, tracking student progress and feedback. This initiative aims to bridge the skills gap by offering practical, engaging, and industry-relevant training across various trades. vocational training more practical, engaging, and industry-relevant, ultimately bridging the skills gap for future industrial workers.
26	NMNTSTD1133212	Velammal Institute of Technology	Affiliated Non - Autonomous	TIRUVALLUR	Information/Communication Technology	How might we implement a GPS-based tracking system for government buses that provides passengers with real-time arrival updates, seat availability, and route information (starting and ending points), ensuring clarity, safety, and convenience at all times? This system should enhance the passenger experience by offering accurate tracking, real-time updates, and timely information for improved planning and safety.
27	NMNTSTD6135017	Government College of Engineering, Dharmapuri	Government College	DHARMAPURI	Artificial Intelligence	How might we develop an AI-powered energy management system that optimizes energy consumption in industrial and commercial facilities, reducing costs, improving efficiency, and minimizing environmental impact through real-time analytics and automation?

28	NMNTSTD7133102	S N S COLLEGE OF ENGINEERING	Affiliated Autonomous	COIMBATORE	Information/Communication Technology	How might we develop a smart, economical solution to digitize and monitor the growth measurements (height and weight) of children, track attendance without overburdening server space, and improve ICDS enrollment by attracting public engagement in Anganwadi services?
29	NMNTSTD7304247	ERODE SENGUNTHAR ENGINEERING COLLEGE	Affiliated Autonomous	ERODE	Med Tech/ Bio Tech/ Health Tech	How might we design an automated drug dispenser to streamline the distribution of medications in hospitals, reducing patient waiting times, minimizing congestion, and optimizing pharmacist workloads during peak outpatient hours?
30	NMNTSTD7378001	KONGU ENGINEERING COLLEGE	Affiliated Autonomous	ERODE	Clean, Green & Renewable Energy	How might we develop a system where the temperature and humidity of perishable goods be monitored during transportation and storage to ensure product quality and minimize spoilage in the food processing industry?
31	NMNTSTD95080255	Government College of Engineering, Tirunelveli	Government College	TIRUNELVELI	Robotics/ Drone/ Industry 4.0	How can we design an economical device, such as robotic boats, to efficiently collect plastic waste in marine ecosystems and integrate anti-pollutant technologies to protect and sustain the marine environment?
32	NMNTSTD8221001	University College of Engineering Pattukkottai	University Constituent Colleges	THANJAVUR	Information/Communication Technology	How might we implement a GPS-based tracking system for government buses that provides passengers with real-time arrival updates, seat availability, and route information (starting and ending points), ensuring clarity, safety, and convenience at all times? This system should enhance the passenger experience by offering accurate tracking, real-time updates, and timely information for improved planning and safety.
33	NMNTSTD2127015	SRI VENKATESWARA COLLEGE OF ENGINEERING	Affiliated Autonomous	KANCHEEPURAM	Information/Communication Technology	How might we develop a solution for MSMEs in remote locations effectively track inventory, minimize stockouts, and optimize logistics to ensure timely deliveries?
34	NMNTSTD51330055	University College of Engineering ARNI	University Constituent Colleges	TIRUVANNAMALAI	Solid Waste/ Bio-waste/ E-waste	How might we implement an automated solid waste management system to detect when drainage in a street remains uncleaned beyond a threshold period and promptly alert the district administration? This solution could utilize IoT sensors, AI-driven monitoring, or real-time data analytics to ensure timely intervention, prevent blockages, and maintain hygiene standards in the community.
35	NMNTSTD6177089	GOVERNMENT COLLEGE OF ENGINEERING - SALEM	Government Autonomous	SALEM	Information/Communication Technology	How might you create a user-friendly software solution to map government schemes to beneficiaries based on their socio-economic background? Ensure real-time access and a citizen-centric design for efficient grievance redressal.
36	NMNTSTD7100001	Anna University, Regional Campus Coimbatore	University Regional Campus	COIMBATORE	Solid Waste/ Bio-waste/ E-waste	How might we implement an automated solid waste management system to detect when drainage in a street remains uncleaned beyond a threshold period and promptly alert the district administration? This solution could utilize IoT sensors, AI-driven monitoring, or real-time data analytics to ensure timely intervention, prevent blockages, and maintain hygiene standards in the community.
37	NMNTSTD8227237	GOVERNMENT COLLEGE OF ENGINEERING, THANJAVUR	Government College	THANJAVUR	Agriculture/ Food Tech	How might we develop an innovative, economical, and user-friendly solution to help farmers prevent bird menace in crops such as sunflower, maize, and jowar? This solution should be practical and scalable, offering an effective method to safeguard these crops while being accessible to farmers.
38	NMNTSTD9508014	Government College of Engineering, Tirunelveli	Government College	TIRUNELVELI	Solid Waste/ Bio-waste/ E-waste	How might we design a self-sustaining, autonomous device that efficiently converts food waste and bio-waste into valuable end products while minimizing human intervention and maximizing resource recovery?
39	NMNTSTD95080240	Government College of Engineering, Tirunelveli	Government College	TIRUNELVELI	Solid Waste/ Bio-waste/ E-waste	How might we develop a sustainable solution to reuse or recycle scrap generated in the rubber industry (such as from manufacturers of caskets, bushes, and other rubber components) to minimize waste and promote resource efficiency?
40	NMNTSTD9508034	Government College of Engineering, Tirunelveli	Government College	TIRUNELVELI	Solid Waste/ Bio-waste/ E-waste	How might we implement an automated solid waste management system to detect when drainage in a street remains uncleaned beyond a threshold period and promptly alert the district administration? This solution could utilize IoT sensors, AI-driven monitoring, or real-time data analytics to ensure timely intervention, prevent blockages, and maintain hygiene standards in the community.
41	NMNTSTD1113043	R.M.K.Engineering College	Affiliated Autonomous	CHENNAI	Information/Communication Technology	How might we create a mobile health application that enables remote monitoring and telemedicine services for patients with chronic diseases, improving accessibility, convenience, and timely care?
42	NMNTSTD9100033	Anna University Regional Campus Madurai	University Regional Campus	MADURAI	Information/Communication Technology	Design and develop a comprehensive Learning Management System (LMS) that seamlessly integrates individual user logins, course enrollment, attendance tracking, learning pathways, assessments, evaluations, and certification management, all within a unified and intuitive centralized dashboard.
43	NMNTSTD9204226	Kamaraj College of Engineering and Technology	Affiliated Autonomous	VIRUDHUNAGAR	Solid Waste/ Bio-waste/ E-waste	How might we develop a solution for industrial effluent and heavy metal reclamation using bio-agents and bio-products like Effective Microorganisms (EM Solution), incorporating natural beneficial organisms to restore soil and water quality?

44	NMNTSTD9223042	UNIVERSITY COLLEGE OF ENGINEERING, DINDIGUL	University Constituent Colleges	DINDIGUL	Solid Waste/ Bio-waste/ E-waste	How might we design a system to monitor and track the illegal disposal of meat waste, particularly incidents of cross-border dumping? The solution should help prevent these activities, enable tracking of waste disposal post-seizure by local authorities, and ensure prompt action to address these environmental risks, protecting public health and the ecosystem.
45	NMNTSTD95080238	Government College of Engineering, Tirunelveli	Government College	TIRUNELVELI	Solid Waste/ Bio-waste/ E-waste	How might we design a system to monitor and track the illegal disposal of meat waste, particularly incidents of cross-border dumping? The solution should help prevent these activities, enable tracking of waste disposal post-seizure by local authorities, and ensure prompt action to address these environmental risks, protecting public health and the ecosystem.
46	NMNTSTD9517044	Mepco Schlenk Engineering College, Sivakasi	Affiliated Autonomous	VIRUDHUNAGAR	Construction/ Building Technology	How might we develop advanced, non-flammable, and lightweight construction materials for the fireworks industry to improve safety, prevent fire hazards, and maintain structural integrity and efficiency in the production environment?
47	NMNTSTD2116453	RAJALAKSHMI ENGINEERING COLLEGE	Affiliated Autonomous	KANCHEEPURAM	Artificial Intelligence	How might we develop an integrated solution that provides real-time data to help visitors discover must-visit heritage sites in Tamil Nadu, offering voice-assisted, multilingual insights about the history and significance of these places? This system, powered by an advanced language model (LLM), can enhance the tourist experience by providing personalized, immersive information at iconic locations.
48	NMNTSTD3123162	ST.JOSEPH'S COLLEGE OF ENGINEERING	Affiliated Autonomous	CHENGALPATTU	Agriculture/ Food Tech	How might we develop advanced infrastructure and mechanization for jaggery production units to improve hygiene and manufacturing processes, while creating a dedicated platform for efficient sourcing and management of jaggery product procurement?
49	NMNTSTD8148012	UNIVERSITY COLLEGE OF ENGINEERING, ARIYALUR	University Constituent Colleges	ARIYALUR	Agriculture/ Food Tech	How might we design an affordable device to automatically regulate the temperature in poultry farms, maintaining an optimal 35°C to prevent heat stress, reduce manual water spraying, and ensure the health and productivity of the birds?
50	NMNTSTD8138112	SARANATHAN COLLEGE OF ENGINEERING	Affiliated Autonomous	TIRUCHIRAPPALLI	Information/Communication Technology	How might we create accessible VR and AR-based tools to enhance hands-on, industry-relevant training for students? The "VR-AR: Bridging the Skills Gap" challenge focuses on integrating immersive learning modules into the academic curriculum, tracking student progress and feedback. This initiative aims to bridge the skills gap by offering practical, engaging, and industry-relevant training across various trades. vocational training more practical, engaging, and industry-relevant, ultimately bridging the skills gap for future industrial workers.