



चौधरी चरण सिंह विश्वविद्यालय, मेरठ

Chaudhary Charan Singh University, Meerut

E.mail : ar.affiliation@ccsuniversity.ac.in NAAC A++

Website : www.ccsuniversity.ac.in

पत्रांक:-सम्बद्धता /2833/2026-27

दिनांक : 30.09.2026

सेवा में,

प्राचार्य/प्राचार्या/सचिव
समस्त सम्बद्ध महाविद्यालय/संस्थान
चौधरी चरण सिंह विश्वविद्यालय, मेरठ

समस्त विभागाध्यक्ष/समन्वयक/निदेशक
चौधरी चरण सिंह विश्वविद्यालय,
मेरठ

विषय:- सेवा संकल्प अभियान कार्यक्रम के अन्तर्गत सेवा फर्स्ट इनोवेशन चैलेज कार्यक्रम को विश्वविद्यालय एवं विश्वविद्यालय से सम्बद्ध महाविद्यालय/संस्थानों में ओरिण्टेशन एवं मोटिवेशन किये जाने के सम्बन्ध में।

महोदय/महोदया,

कृपया मुख्य विकास अधिकारी, मेरठ के संलग्न पत्र संख्या-505(A) दिनांक 25.09.2026 का सन्दर्भ ग्रहण करे, जिसके द्वारा सेवा संकल्प अभियान कार्यक्रम के अन्तर्गत सेवा फर्स्ट इनोवेशन चैलेज कार्यक्रम को विश्वविद्यालय एवं विश्वविद्यालय से सम्बद्ध महाविद्यालय/संस्थानों में ओरिण्टेशन एवं मोटिवेशन किये जाने के सम्बन्ध में है।

उक्त के सम्बन्ध में आपसे अपेक्षा है कि आप मुख्य विकास अधिकारी, मेरठ के पत्र दिनांक 25.09.2026 में दिये गये दिशा-निर्देशों के आलोक में परिसर एवं महाविद्यालय/संस्थानों में सेवा संकल्प अभियान कार्यक्रम के अन्तर्गत सेवा फर्स्ट इनोवेशन चैलेज कार्यक्रम आयोजित कराते हुये में अधिक से अधिक युवाओं को प्रतिभाग कराना सुनिश्चित करें। उक्त प्रकरण में किसी भी प्रकार की शिथिलता न बरती जाय।

संलग्नक:-उपरोक्तानुसार।

भवदीय


कुलसचिव

प्रतिलिपि:-

01. वैयक्तिक सहायक कुलपति को माननीय कुलपति जी के सूचनार्थ।
02. मुख्य विकास अधिकारी, महोदया, मेरठ
03. श्री विनय कुमार, सहायक कुलसचिव (सम्बद्धता), चौधरी चरण सिंह विश्वविद्यालय, मेरठ।
04. प्रभारी प्रैस प्रवक्ता, चौधरी चरण सिंह विश्वविद्यालय, मेरठ
05. प्रभारी विश्वविद्यालय वेबसाइट चौधरी चरण सिंह विश्वविद्यालय, मेरठ
06. सम्बन्धि पत्रावली।

कुलसचिव

नूपुर गोयल

आई०ए०एस०



मुख्य विकास अधिकारी,
मेरठ।

मो०न० 9454416690

कार्यालय 0121-2663605

ई-मेल cdomce@nic.in

अर्द्ध शा०पत्र संख्या: 509(A)

दिनांक: 25-09-2026

प्रो श्यामा रथ, सदस्य सचिव, अखिल भारतीय तकनीकी शिक्षा परिषद, शिक्षा मंत्रालय भारत सरकार के पत्र संख्या F. No. AICTE-MIC/SEVA First/2026 दिनांक 18.09.2026 दिनांक 17-09-2026 का सन्दर्भ ग्रहण करें। उक्त पत्र के क्रम में "सेवा संकल्प अभियान" कार्यक्रम के अन्तर्गत "सेवा फर्स्ट इनोवेशन चैलेंज" कार्यक्रम में जनपद के सभी विश्वविद्यालयों, इंजीनियरिंग कॉलेजों, आई०टी०आई० एवं पॉलिटेक्निक संस्थानों में छात्रों का व्यापक ओरिएंटेशन एवं मोटिवेशन किया जाना है।

- सेवा फर्स्ट इनोवेशन चैलेंज (SFIC) तहत संस्थान द्वारा अपने संस्थान का पंजीकरण किया जाना है और छात्रों द्वारा तैयार किए गए नवाचारों (आइडिया) को सबमिट किया जाना है।
- पंजीकरण आधिकारिक पोर्टल <https://sevafirst.mic.gov.in/register> पर जाकर ऑनलाइन पूरा किया जाएगा।
- संस्थानों को अपने स्तर पर दी गयी 05 थीमों पर Problem Statement (संलग्न) के आधार पर एक प्रारम्भिक स्क्रीनिंग प्रक्रिया आयोजित करनी होगी ताकि प्रत्येक थीम के तहत एक सर्वश्रेष्ठ आइडिया की पहचान की जा सके। संस्थानों को प्रत्येक थीम (विषय) के तहत केवल एक (01) नवाचार/आइडिया सबमिट या अपलोड करने की अनुमति है।

उक्त के क्रम में आपसे अपेक्षा है कि आप इस कार्यक्रम की महत्ता को दृष्टिगत रखते हुए अपने स्तर से उचित कार्यवाही करते हुए, चौधरी चरण सिंह विश्वविद्यालय तथा अपने अधीनस्थ समस्त संस्थानों/महाविद्यालयों में कार्यक्रम आयोजित कराना सुनिश्चित करें।
संलग्नक:- उपरोक्तानुसार।

(नूपुर गोयल)

रजिस्ट्रार,

चौ० चरण सिंह विश्वविद्यालय,

मेरठ।



प्रो. श्यामा रथ
सदस्य सचिव
Prof. Shyama Rath
Member Secretary



अखिल भारतीय तकनीकी शिक्षा परिषद्
(भारत सरकार का एक सांविधिक निकाय)
शिक्षा मंत्रालय, भारत सरकार
नेल्सन मंडेला मार्ग, वसंत कुंज, नई दिल्ली-110070
दूरभाष : 011-29581399
ई-मेल : ms@aicte-india.org

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(A STATUTORY BODY OF THE GOVT. OF INDIA)
Ministry of Education, Govt. of India
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070
Phone : 011-29581399
E-mail : ms@aicte-india.org

F. No. AICTE-MIC/SEVA First/2026

Date: 18th September, 2026

To

- Principal Secretaries/Secretaries, State Departments of Higher and Technical Education/Directors of Technical Education of the States/UTs, (Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Telangana, and the Union Territories of Puducherry, Lakshadweep, and Andaman & Nicobar Islands).
- Vice-Chancellors of Technical Universities and Institutions Deemed to be Universities.
- Directors/Principals of AICTE-approved Institutions.

Subject: Participation of Students in the Seva First Innovation Challenge (SFIC) under the Seva Sankalp Abhiyan- reg.

Dear Madam/Sir,

The All India Council for Technical Education (AICTE), Ministry of Education, Government of India, is pleased to inform you about the launch of the **Seva First Innovation Challenge** under the **Seva Sankalp Abhiyan**, a national initiative aimed at fostering innovation, problem-solving, and a spirit of public service among the youth of India. The initiative seeks to engage students in identifying and addressing real-world challenges faced by their communities and the nation, thereby contributing to the vision of **Viksit Bharat @ 2047**.

The Challenge will be formally launched on **25th September, 2026**, at the **Indian Institute of Science (IISc), Bengaluru**. The Challenge will provide students with an opportunity to transform their ideas into practical solutions with the support of mentors, experts, academic institutions, and industry partners.

IISc, Bengaluru has been designated as the **South Zone Nodal Institute** for coordinating the implementation of the Challenge across the southern region comprising Karnataka, Tamil Nadu, Kerala, Andhra Pradesh, Telangana, Puducherry, Andaman & Nicobar Islands, and Lakshadweep.

College students pursuing **Undergraduate, Postgraduate programmes and research scholars** are eligible to participate under the **Open Category**, while **Polytechnic students** may participate under the **Technical Level Category**. Participants are encouraged to identify challenges within their institutions/colleges, neighbourhoods, villages, towns, or districts and develop practical solutions with measurable impact. Development of prototypes is particularly

encouraged at the Polytechnic and College levels. The details of the Tracks & Themes of Seva **First Innovation Challenge** are enclosed as **Annexure**.

All Vice-Chancellors, Directors of the Departments of Technical Education (DTEs) of the respective States/UTs, and Directors/Principals of AICTE-approved Institutions are requested to disseminate this information widely among students and faculty members and encourage interested students to submit innovative ideas aligned with the themes of the Challenge.

Faculty members who are already registered with AICTE as **Single Points of Contact (SPOCs)** for coordinating various AICTE activities at the Institution/College/Polytechnic level shall serve as the **institution-level SPOCs** for the Seva First Innovation Challenge.

Further, the Directors of the Departments of Technical Education (DTEs) of the respective States/UTs are requested to kindly nominate a suitable **State/UT level Single Point of Contact (SPOC)** at the Directorate level to coordinate with Institutions/Colleges/Polytechnics for participation in the Seva First Innovation Challenge. The contact details of the nominated SPOC may kindly be shared through the following Google Form on or before **23rd September 2026**: **Google Form:** <https://forms.gle/zsZRWY1WXco5xxk58>

AICTE is confident that the active participation of Institutions/Colleges/Polytechnics will play a significant role in nurturing a generation of socially conscious innovators committed to nation-building.

We look forward to your enthusiastic participation and support in making this important initiative a success.

With warm regards,

Shyama Rath
(Shyama Rath)

Encl.: Annexure

Copy to:

1. Prof. Surjo Bose, IISc, Bengaluru.
2. PS to Secretary, Department of Higher Education, Ministry of Education.
3. PS/EA to Chairman, AICTE.

SEVA First Innovation Challenge (SFIC)

Tracks & Themes of the SFIC:

Details of the Tracks and Themes of SFIC in which Students can participate is mentioned below:

Track A	Track B
Product or Technology Solution- A device, prototype, material, process, software system or engineering solution that can be built, demonstrated and deployed. Assessed on technical soundness, cost, reliability, manufacturability and readiness for field use.	Business Model or Governance Solution- A new delivery model, service design, financing or revenue mechanism, community institution, process re-engineering, or governance and regulatory innovation that makes a solution work reliably and at scale. Assessed on institutional feasibility, financial sustainability, ease of adoption by an implementing agency and evidence from a pilot.

Both tracks carry equal standing, are evaluated against a specific set of criteria including problem clarity, originality, demonstrated feasibility, cost, beneficiary impact and scalability. A participant may also combine the two tracks where a product requires a delivery model to succeed, and such integrated entries are encouraged.

Themes:

Faculty members of the Colleges/ Polytechnics/ITIs may encourage & guide the students for developing solutions under the following broad themes:

Theme	Particular
Theme 1	Swachh & Sustainable Bharat (Clean and Sustainable Bharat) Water, Waste & Circular Economy, Energy Efficiency, Pollution, Environment and Climate
Theme 2	Samridh Annadata, Samridh Bharat (Prosperous Farmers, Prosperous Bharat) Agriculture, Rural Innovation, Livelihoods and MSMEs & Artisans
Theme 3	Swasth & Samavesh Bharat (Healthy and Inclusive Bharat) Health & Well-being, Assistive Technology and Inclusion
Theme 4	Shikshit & Kaushal Bharat (Educated and Skilled Bharat) Education, Skilling and Sports
Theme 5	Surakshit Bharat (Secure Bharat) Mobility & Road Safety and Cyber Security

Artificial Intelligence, data analytics, and digital technologies may be utilized as enabling tools across all themes to develop impactful solutions.

The Challenge will be launched on **25th September 2026**, and the submission window will be open till **7th October, 2026**. All States/UTs can attend the launch event online. The Grand Finale will be held in Indian Institute of Science, Bengaluru, Karnataka during **10th to 17th December, 2026**.

Shortlisted participants will have access to mentorship, technical guidance, incubation support, and pilot funding. Outstanding innovations will be showcased at zonal and national levels, with potential pathways for further development, adoption, and scaling.

Procedure for registration and submission of ideas for SFIC is as follows:

- (i) Institutions/Colleges/Polytechnics are requested to register on the portal <https://sevafirst.mic.gov.in/register> **(Only the Faculty designated as SPOC can register for SFIC);**
- (ii) SPOC only can add/register the participating student teams on SFIC portal; and
- (iii) Institutions/Colleges/Polytechnics are permitted to submit/upload only ONE idea under each theme.

Note: Institutions/Colleges/Polytechnics are requested to carry out the initial screening of students ideas at the Institutions/Colleges/Polytechnics level to identify ONE best idea under each theme before submitting/uploading the ideas on SFIC Portal.

For more details, including user manual visit the SFIC portal at

<https://sevafirst.mic.gov.in>

Problem Statements

Shobhit University, Meerut - District Administration, Meerut
17 September 2026

Title of Problem	Problem Statement	Context	SDG Alignment	Suggested Tech/AI Angle	Expected Deliverable
Category A: Environment, Water & Waste					
1. Restoration and Monitoring of the Kali Nadi	Design a low-cost, AI/IoT-enabled water quality monitoring and public-alert system for the Kali Nadi that can detect pollution spikes and identify likely discharge points.	The Kali Nadi (East), flowing through Meerut, receives untreated industrial effluent and sewage, severely affecting groundwater and downstream agriculture.	SDG 6 (Clean Water), SDG 15 (Life on Land), SDG 9 (Industry Innovation)	Low-cost sensor nodes + ML-based anomaly detection + citizen-reporting app with image-based pollution classification	Working prototype/dashboard + a feasible monitoring network design for at least 3 points along the river within the district
2. Smart Segregation and Tracking of Municipal Solid Waste	Build an AI-based solution (app + computer vision or incentive model) to improve waste segregation at the household level and give ward-level visibility to municipal staff.	Door-to-door waste collection in Meerut Municipal Corporation wards often suffers from poor segregation at source and inconsistent tracking.	SDG 11 (Sustainable Cities), SDG 12 (Responsible Consumption)	Image classification for waste type detection, gamified citizen incentives, GPS-tracked collection vehicle dashboard	App/prototype demo + a rollout plan for at least one ward as a pilot
3. Revival of Local Water Bodies (Ponds/Talaabs)	Propose a technology-supported model (satellite/drone mapping + community engagement) to identify, prioritize, and revive degraded water bodies in the district.	Many traditional village ponds in Meerut district have been encroached upon, silted, or turned into dumping grounds, reducing groundwater recharge.	SDG 6 (Clean Water), SDG 13 (Climate Action), SDG 15 (Life on Land)	Satellite imagery/GIS analysis to map encroachment and water spread over years; a crowdsourced reporting app	A prioritized list of water bodies with a scoring model + a revival roadmap for 2–3 sample sites
4. Air Quality Management During Crop Residue Burning Season	Design an AI-driven early-warning and farmer-incentive system that discourages stubble burning by making residue management more profitable or convenient than burning.	Stubble burning in the sugarcane/paddy-wheat belt around Meerut contributes significantly to seasonal air quality deterioration.	SDG 13 (Climate Action), SDG 3 (Good Health), SDG 2 (Zero Hunger)	Satellite-based fire detection + predictive AQI alerts + marketplace app connecting farmers with residue-buyers (biofuel/fodder units)	A working alert dashboard + an economically viable residue-collection model
5. Groundwater Depletion Tracking for Sugarcane Belt	Create a data-driven advisory tool for farmers that predicts groundwater stress and	Sugarcane cultivation, water-intensive and dominant in Meerut district, is contributing	SDG 6 (Clean Water), SDG 2 (Zero Hunger), SDG 15 (Life on Land)	ML-based groundwater prediction using historical data + SMS/app-based irrigation advisory in Hindi	Advisory prototype tested with sample data from 2–3 blocks

Title of Problem	Problem Statement	Context	SDG Alignment	Suggested Tech/AI Angle	Expected Deliverable
Villages	recommends crop/irrigation scheduling to balance productivity with sustainability.	to falling groundwater tables in several blocks.			

Category B: Agriculture & Rural Livelihoods

6. AI-Based Crop Advisory for Smallholder Farmers	Develop an AI-powered advisory platform (voice/SMS/app) offering hyperlocal crop, pest, and weather guidance in Hindi/regional dialect for smallholder farmers with limited literacy or smartphone access.	Meerut's rural economy is dominated by sugarcane, wheat, and vegetable farming, but small farmers often lack timely, localized agronomic advice.	SDG 2 (Zero Hunger), SDG 1 (No Poverty), SDG 8 (Decent Work)	Voice-based AI assistant, image-based pest/disease detection, localized weather-ML models	Functional prototype with at least one crop-disease detection feature demonstrated on real images
7. Reducing Post-Harvest Losses for Perishable Produce	Design a tech-enabled solution connecting farmers directly with buyers/markets and optimizing storage/transport to cut post-harvest losses.	Vegetable and fruit growers around Meerut face significant post-harvest losses due to lack of cold storage and poor market linkage.	SDG 2 (Zero Hunger), SDG 12 (Responsible Consumption), SDG 8 (Decent Work)	Demand-prediction ML models, farmer-to-market app, shared cold-storage booking system	App/platform prototype + estimated loss-reduction impact model
8. Value Addition and Branding for Gur (Jaggery) Cluster	Propose a digital branding, quality-certification, and direct-market-access solution to help gur producers access better prices and wider markets, including export potential.	Meerut district has a traditional jaggery (gur) production cluster, but producers largely sell as unbranded commodity with low margins.	SDG 8 (Decent Work), SDG 1 (No Poverty), SDG 9 (Industry Innovation)	QR-based traceability, e-commerce onboarding support, AI-assisted quality grading via image analysis	Branding/traceability prototype + a go-to-market plan for one cluster/village
9. Skilling and Market Access for Sports Goods Artisans	Build a digital platform/toolkit that helps small sports-goods manufacturing units access design trends, e-commerce/export channels, and skill-upgradation resources.	Meerut is a major hub for sports goods manufacturing (Kila Parade, SarurpurKhurd), but many small artisan units struggle with design innovation, digital marketing, and export documentation.	SDG 8 (Decent Work), SDG 9 (Industry Innovation), SDG 4 (Quality Education)	AI-based trend/design recommendation, simplified export-documentation assistant, digital catalog/marketplace	Platform prototype + onboarding plan for at least 5 sample artisan units
10. Support System for Meerut's Scissors & Cutlery Micro-Enterprises	Design a digital cooperative/aggregator model that helps micro-units pool raw material purchase, access formal credit, and reach wider buyers.	Meerut's traditional scissors and cutlery (metalware) cluster consists largely of unorganized micro-units facing raw material, credit, and market access	SDG 8 (Decent Work), SDG 9 (Industry Innovation), SDG 1 (No Poverty)	Group-buying app, AI-based credit-scoring for informal units, demand-aggregation dashboard	Working prototype of the aggregator model + a pilot plan with a sample artisan group

Title of Problem	Problem Statement	Context	SDG Alignment	Suggested Tech/AI Angle	Expected Deliverable*
Category C: Urban Governance, Traffic & Infrastructure					
11. AI-Based Traffic Management for Congested City Corridors	Develop an AI-based traffic monitoring and signal-optimization solution to reduce congestion and improve emergency-vehicle response time on identified corridors.	Key stretches such as Delhi Road, Garh Road, and Begum Bridge Road face chronic congestion, worsened by encroachments, mixed traffic, and ongoing RRTS/metro construction.	SDG 11 (Sustainable Cities), SDG 9 (Industry Innovation)	Computer-vision-based vehicle counting, adaptive signal timing, congestion-prediction dashboard for traffic police	Simulation or prototype demonstrating improved flow on at least one modeled corridor
12. Smart Parking and Encroachment Management in Meerut City	Propose a technology-enabled parking and vendor-zone management system that balances livelihood needs of vendors with traffic decongestion.	Unregulated street parking and encroachment by vendors near markets (Sarafa Bazaar, Abu Lane, Sadar) choke traffic and hurt pedestrian safety.	SDG 11 (Sustainable Cities), SDG 8 (Decent Work)	App-based smart parking slots, AI-based occupancy detection via cameras, digital vendor-zone permit system	Prototype + implementation plan for one market area
13. Integrating RRTS/Metro Connectivity with Last-Mile Transport	Design a smart last-mile connectivity solution (shared mobility, e-rickshaw integration, or route optimization) linking RRTS stations to key destinations in Meerut.	With the Delhi-Meerut RRTS (NRTC) corridor operational/expanding, last-mile connectivity from stations to residential and institutional areas remains weak.	SDG 11 (Sustainable Cities), SDG 13 (Climate Action)	Route-optimization algorithms, demand-based e-rickshaw aggregator app, integrated ticketing concept	App/route-plan prototype for at least one RRTS station's catchment area
14. AI-Enabled Grievance Redressal for Municipal Services	Build an AI-enhanced grievance redressal platform that auto-classifies, prioritizes, and routes complaints, with predictive escalation for unresolved issues.	Citizens often face delays and lack of transparency when reporting municipal issues (potholes, streetlights, drainage, garbage) to Meerut Municipal Corporation.	SDG 11 (Sustainable Cities), SDG 16 (Strong Institutions)	NLP-based complaint classification, image-based issue verification, priority-scoring model	Working app/dashboard prototype with sample complaint workflow
15. Digital Twin/Dashboard for District Administration Decision-Making	Propose an integrated data dashboard that consolidates key district indicators to support administrators in monitoring scheme implementation and identifying underserved areas.	District administration handles diverse data (health, education, infrastructure, welfare schemes) often in silos, slowing evidence-based decisions.	SDG 16 (Strong Institutions), SDG 17 (Partnerships)	Data-aggregation pipeline, GIS-based visualization, AI-based anomaly/underperformance flagging	Dashboard prototype using sample/mock district data across at least 3 indicators
Category D: Social Development, Education & Health					

Title of Problem	Problem Statement	Context	SDG Alignment	Suggested Tech/AI Angle	Expected Deliverable
16. Bridging the Employability Gap for Local Graduates	Design an AI-powered skills-mapping and career-guidance platform that matches local students with industry-relevant skilling programs and job/internship opportunities in and around Meerut.	Meerut has a large student population across its colleges/universities, but many graduates face a mismatch between their skills and local industry (sports goods, dairy, metalware, retail) requirements.	SDG 4 (Quality Education), SDG 8 (Decent Work)	AI-based skill-gap analysis, resume-to-job matching, local employer database integration	Functional matching prototype + a pilot plan with at least 2 local industry partners
17. Reducing School Dropout Rates in Peri-Urban and Rural Areas	Propose a data-driven early-warning system for schools/administration to identify at-risk students and enable timely intervention (counselling, financial support, or flexible learning).	Certain blocks in Meerut district continue to see higher dropout rates, particularly among girls, at the secondary school level.	SDG 4 (Quality Education), SDG 5 (Gender Equality), SDG 10 (Reduced Inequality)	Predictive ML model using attendance/performance data, counsellor-alert app	Prediction model prototype tested on sample/synthetic school data + intervention framework
18. Improving Access to Maternal and Child Health Services	Build an AI/mobile-based tool to help ASHA/Anganwadi workers track maternal-child health records, flag high-risk cases, and send timely reminders.	Anganwadi and primary health centers in rural Meerut face gaps in follow-up care, immunization tracking, and timely referrals for high-risk pregnancies.	SDG 3 (Good Health), SDG 5 (Gender Equality)	Simple mobile app with offline sync, ML-based risk flagging, automated reminder system	App prototype demonstrating record-tracking and at least one risk-flagging scenario
19. Digital Financial Inclusion for Women Self-Help Groups (SHGs)	Design a digital platform that helps SHGs manage group finances, access micro-credit, and sell products online, with AI-assisted bookkeeping and creditworthiness assessment.	Women's SHGs across Meerut district's villages, often engaged in dairy, handicrafts, or food processing, face barriers in accessing formal credit, digital payments, and markets.	SDG 5 (Gender Equality), SDG 1 (No Poverty), SDG 8 (Decent Work)	AI-assisted bookkeeping/voice-input ledger, alternative credit-scoring model, integrated marketplace	Prototype demonstrating ledger + at least one credit-scoring or marketplace feature
20. Community-Based Early Warning for Waterlogging and Urban Flooding	Develop an AI/IoT-based early-warning system for waterlogging-prone areas that alerts residents and municipal staff before drains overflow, along with a drain-maintenance prioritization tool.	Several low-lying colonies in Meerut city experience recurring waterlogging during monsoon due to blocked drains and inadequate stormwater planning.	SDG 11 (Sustainable Cities), SDG 13 (Climate Action)	Low-cost water-level sensors, rainfall-prediction integration, ML-based drain-blockage risk scoring	Alert-system prototype + a prioritized drain-maintenance map for at least one ward
21. Accessible and Dignified Public Services for Elderly and Persons with Disabilities	Design a voice-first, Hindi-language-enabled interface that allows elderly residents and persons with disabilities to check pension/scheme status, book healthcare appointments, and file	Many elderly residents and persons with disabilities (PwDs) across Meerut district face difficulty accessing pensions, healthcare appointments, and municipal grievance systems,	SDG 10 (Reduced Inequality), SDG 3 (Good Health), SDG 16 (Strong Institutions)	Voice-based conversational AI (Hindi/regional dialect speech-to-text and text-to-speech), simplified IVR or WhatsApp-voice-note interface, screen-reader-compatible design for visually	A working voice/IVR prototype demonstrating at least two use cases (e.g., pension status check and grievance filing), tested with a small sample of elderly or PwD

Title of Problem	Problem Statement	Context	SDG Alignment	Suggested Tech/AI Angle	Expected Deliverable
	municipal grievances without needing to read, type, or navigate complex forms.	most of which assume able-bodied, tech-literate, and often English/text-reading users. This leaves a significant population dependent on intermediaries or unable to access entitlements they qualify for.		impaired users, and family/caregiver-assisted account options for those who need support	users for usability feedback
22. Drinking Water Quality Awareness at the Household Level	Design a simple, low-cost way to raise awareness about drinking water safety — such as a basic household water-testing/reporting method, or an easy-to-understand communication tool explaining risks and simple treatment steps (boiling, filtering, chlorination).	Many households in Meerut district, especially in areas near industrial or agricultural runoff, are unaware of the quality of their drinking water.	SDG 6 (Clean Water), SDG 3 (Good Health)		An awareness/communication toolkit
23. Simple Child Health and Nutrition Tracking for Anganwadi Centers	Design a simple, low-tech tracking protocol or checklist (paper-based, colour-coded, or basic mobile form) that helps Anganwadi workers monitor child growth consistently and identify children needing referral, without requiring new technology infrastructure.		SDG 3 (Good Health)		A tested tracking template/protocol + a one-page guide for Anganwadi workers, trialed with sample data from a few children
24. Waste-to-Wealth Innovation	Design a low-cost, scalable "waste-to-wealth" model that converts one specific local waste stream into a marketable product or resource (e.g., compost, briquettes, handicrafts, construction material).	Local waste streams — sugarcane bagasse, cattle dung, plastic waste, construction debris — largely go unmonetized. Small entrepreneurs and SHGs lack simple, replicable models to turn this waste into sellable products.	SDG 12 (Responsible Consumption), SDG 8 (Decent Work), SDG 9		A feasible process model with a sample prototype product and a basic cost-benefit estimate
25. Urban Green Spaces Design	Propose a design/planning model to identify underused urban spaces (vacant plots, road medians, rooftops, institutional campuses) and convert them into functional green spaces meeting	Rapid urbanization in Meerut has shrunk open and green spaces, worsening urban heat, air quality, and loss of community gathering areas.	SDG 11 (Sustainable Cities), SDG 13 (Climate Action), SDG 15 (Life on Land)		A design blueprint for at least one identified space + a simple community engagement/maintenance plan

Title of Problem	Problem Statement	Context	SDG Alignment	Suggested Tech/AI Angle	Expected Deliverable
26. Plastic-Free Urban Models	Design a practical model to reduce single-use plastic in one specific market, campus, or institution — through behavior change, affordable alternatives, or incentive systems.	Despite bans, single-use plastic remains widespread in local markets, food stalls, and institutions across Meerut.	SDG 12 (Responsible Consumption), SDG 11 (Sustainable Cities)		A pilot plan for one market/campus + a distribution model for reusable alternatives
27. Revitalizing Heritage Spaces	Design a revitalization plan for one specific heritage site that balances conservation, tourism potential, and everyday community use.	Meerut has several under-recognized heritage sites (colonial-era buildings, 1857-related landmarks, old temples/forts) facing neglect or encroachment.	SDG 11 (Sustainable Cities — safeguarding cultural heritage), SDG 8 (Decent Work — tourism/local economy)		A conservation-cum-tourism plan for one site + a basic digital storytelling or AR prototype concept