IndiaAI Innovation Challenge for Transforming Governance

In collaboration with the Government of Andhra Pradesh

1. Introduction

IndiaAI, an Independent Business Division (IBD) under the Digital India Corporation (DIC) of the Ministry of Electronics and IT (MeitY), is the implementation agency of the IndiaAI Mission, which aims to democratise AI's benefits across all strata of society, bolster India's global leadership in AI, foster technological self-reliance, and ensure ethical and responsible use of AI.

As part of this Mission, the IndiaAI Application Development Initiative (IADI) aims to promote the development, deployment and adoption of AI applications in critical sectors that have the potential to catalyse large-scale socio-economic transformation. To achieve this, IndiaAI has partnered with the Government of Andhra Pradesh to develop AI solutions across six domains, including for empowering rural entrepreneurs, optimising supply chains for essential goods for public service delivery, streamlining renewable energy land allocation, urban infrastructure planning, land-use monitoring and predictive infrastructure management for government schools. These interventions focus on leveraging AI for increasing transparency and operational efficiency in Government processes and driving inclusive growth. The problem statements are listed in Annexure I.

2. Stages

The Challenge will be implemented in two stages to identify and support high-potential AI solutions for outlined problem statements.

- **Stage 1 (Solution development and refinement):**
  - o Applicants are invited to apply for the Challenge via AIKosh and submit their AI solutions as per the submission form in Annexure III. Submission shall include details on team, solution proposal, technical details and business plan.
  - o Applicants shall refine existing solutions, optimise algorithms, improve interfaces and add AI functionalities for Proof of Concept (PoC) based on publicly available data, in compliance with DPDP Act 2023, and other applicable laws and rules. Sample data will also be made available by respective Ministries via AIKosh for solution enhancement to address provided problem statements.

o Applicants must submit existing solutions only with established AI-enabled product, service, or business model that addresses any one of the problem statements listed under Annexure I and has been deployed/piloted, seeking to achieve scale.

o The applications will be reviewed by a distinguished panel of jury members, comprising technical and sectoral experts.

o Shortlisted teams may be required to provide working prototypes, test access details, source code and documentation for verification as per directions provided by IndiaAI.

o Up to 3 teams may be shortlisted for Stage 2 corresponding to each problem statement.

o Each team will be awarded INR 5 Lakhs for refining their solution with support and guidance from relevant Government of Andhra Pradesh Departments.

● **Stage 2 (Finalising solution and deployment):**

o Selected teams will be required to share solution refinement progress, security audit and integration capabilities as part of mid-phase and end-stage evaluation.

o Up to 1 team may be shortlisted for this stage corresponding to each problem statement and will secure a chance to receive a work contract worth up to INR 50 Lakhs for a period of one year for integration, deployment and operation and maintenance of their solution in partnership with IndiaAI and relevant departments of the Government of Andhra Pradesh.

IndiaAI and the jury reserve the right to modify the number of qualifying solutions at any stage to ensure competition and operational efficiency. The decision of the jury shall be final and binding across all stages.

3. Registration Process

● All participants are required to utilise the AIKosh portal to access the application form.

● A team leader will have to individually apply for the Challenge on the IndiaAI portal by clicking the submit link.

● All participants must use the AIKosh portal to access the application form. Upon initial sign-up, the Team Leader is responsible for completing the

application, including providing full organizational details.

- The Team Leader will have to answer all additional questions, including uploading documents and click 'Submit'.

- Interested applicants can apply within the specified time period from the launch.

4. Opportunity for Applicants

- **Opportunity to Build for the Nation**: Contribute to developing innovative solutions that address critical challenges faced by the country, making a direct impact on society.

- **National Recognition**: Gain visibility and recognition from government officials, industry leaders and peers for your contributions and innovative ideas.

- **Networking Opportunities**: Connect with like-minded innovators, potential collaborators and key stakeholders in the technology and innovation ecosystem.

- **Exposure to Real-world Challenges:** Work on pressing issues faced by the nation, providing practical experience and a deep understanding of real- world problems.

- **Support for Implementation**: Winning solution will get potential support in scaling and implementing the solution at a national level, bringing your ideas to life.

- **Reward**: Receive work contract worth up to INR 50 Lakhs for a period of one year to deploy their solution for use by the Government of India and its associated entities.

5. Intellectual Property Rights (IPR)

All Intellectual Property Rights (IPR) will belong to the solution owner participating in the Challenge. IndiaAI and relevant departments of the Government of Andhra Pradesh shall have a non-exclusive, royalty-free, perpetual license to use the awarded AI solution including all Intellectual Property Rights arising out of its use, and the solution owner shall be deemed to have given a No Objection Certificate (NOC) for the same and shall also remain bound by the terms of a Non-Disclosure Agreement (NDA) with respect to such work.

6. Timeline

#	Activity	Timeline
1	Launch Date	TBC
2	Last Date For Submission	TBC
3	Stage 2: Declaration Of Results Of Solution Refinement Stage	TBC
4	Solution Refinement Stage	TBC
5	Stage 3: Announcement of Winners	TBC

7. Eligibility Criteria

- **Indian Company**: The team can be an Indian company registered under the Companies Act. An Indian company must have 51% or more shareholding by Indian citizens or persons of Indian origin.

- **Start-up**: The team can be a start-up as defined in the latest notification by the Department for Promotion of Industry and Industrial Trade (DPIIT), accessible at Startup India.

- **Autonomous Bodies**: Autonomous bodies, including public sector organisations, non-profit organisations, research institutions and universities, are eligible to participate.

8. Terms and Conditions

a. All participants must meet the outlined eligibility criteria (Section 7) to participate.

b. The award from this initiative can only be used by the participating team for the purpose of AI solution development.

c. Winning entities will retain the rights to the solution/product developed subject to the Intellectual Property Rights outlined in this document (Section 5).

d. The participants will ensure code is free from viruses and malware. The participants will not use this Challenge to do anything unlawful, misleading, malicious, or discriminatory.

e. The solutions must not violate/breach/copy any copyrighted or patented concepts in the AI market.

f. The solutions must not violate any data protection and governance regulations and policies.

g. The solutions must be in adherence with related cybersecurity standards and guidelines of the Government of India.

h. Solutions must adhere to ethical principles and guidelines for the development, deployment and use of AI technologies, including fairness, transparency, accountability and non-discrimination.

i. The developed solution/product will be deployed in the chosen Cloud Environment and used for Union/State/UT government entities.

j. Any synthetic data developed by applicants as part of the Challenge shall be published on AIKosh Portal.

k. Any new enhancements, features or innovation should be released on the chosen Cloud Environment. At all times, the updated source code shall be shared with the partnering institution for its free use.

l. The winning entities may receive a work contract of a fixed amount to support the solution development and deployment, including compute costs, for at least one year from the issuance of work order. The support includes manpower for end-to-end development, deployment, maintenance and bug fixing across the entire application. The use of open-source AI solutions is permissible, subject to applicable security, data protection and confidentiality requirements.

m. The winning entities shall submit progress-cum-achievement reports at bi-annual intervals on the progress made on all aspects of the project, including expenditure incurred on various approved items during the one-year contract period. The scope of work, payment terms, milestones and other contract conditions will be as agreed between IndiaAI, Real Time Governance Society, Andhra Pradesh, the Government of Andhra Pradesh, and the winning entities and it shall comply with the General Financial Rules of the Government of India.

n. The winning entities are not allowed to entrust the implementation of this project for which the award is received to another institution, and to divert the award received from IndiaAI as assistance to the latter institution.

o. The winning entities should not enter into collaboration with a foreign party (individual/academic institution/industry) in execution of this project without prior approval of IndiaAI.

p. The winning entities are free to market the product to any entity outside the Union/State/UT Government Organisations of India.

q. In case of any dispute on any other matter related to the project during the course of its implementation, the decision of the CEO, IndiaAI shall be final and binding on the winning entities.

r. By participating in this Challenge, the winning entities understand and undertake the above commitments and agree to the terms and conditions.

9. Plagiarism and Ethics

a. Participants are expected to uphold the highest standards of ethics and integrity throughout the Challenge.

b. All work submitted must be original and developed by the participant or their team.

c. Plagiarism, or the use of someone else's work without proper attribution, is strictly prohibited and would result in immediate disqualification.

d. Participants must ensure that their solutions are proprietary and not copied from existing projects or code repositories.

e. Moreover, the use of any external resources or pre-trained models should be clearly cited and proper permissions should be obtained where necessary. Adherence to these ethical guidelines ensures a fair and competitive environment for all participants.

f. By registering for this Challenge, participants are giving an undertaking to adhere to all plagiarism and ethical guidelines set forth by the IndiaAI.

Problem Statement 1: AI-enabled Smart Market Linkage System for SHG products (Municipal Administration & Urban Development Department)

Self-Help Groups (SHGs) in Andhra Pradesh are actively engaged in producing a diverse range of goods and services across food processing, handicrafts, textiles and local services. However, many SHG products remain confined to local markets and periodic exhibitions, limiting their reach and earning potential. Challenges such as limited understanding of consumer preferences and the absence of sustained buyer linkages restrict SHG members ability to scale their enterprises and increase household incomes. Existing digital and offline platforms are fragmented, largely static and offer little market intelligence, resulting in poor visibility of SHG products and inefficient matching with suitable buyers and demand channels. Additionally, buyers and platforms face challenges in identifying SHGs that can consistently meet quality, pricing and volume requirements, limiting repeat sourcing and long-term market linkages.

Use-Case: AI-enabled multi-lingual platform that provides market linkage recommendations to SHGs with actionable and explainable insights into market trends, consumer preferences, demand hotspots and guidance on how to source raw material and strategically market their products. The platform may also include capabilities to support SHG members in integrating with existing government and e-commerce platforms that may further facilitate market linkages for SHG products. By enabling data-driven production planning, transparent product information and sustained buyer connections, the platform aims to improve reliability of sourcing for buyers while strengthening income stability and economic empowerment of women-led SHGs.

Indicative Capabilities: The solution may utilise AI/ML technologies including predictive analytics, natural language processing (NLP) and hybrid architectures with multi-lingual capabilities to (1) enable voice-based access for SHG members with low digital literacy for multilingual content translation, query resolution and simplified explanations of market insights and system recommendations using speech-to-text and text-to-speech models in Indian languages; (2) identify demand hotspots, emerging market trends across geographies and time periods by analysing historical sales data, e-commerce trends, seasonal patterns and regional consumption data; (3) match SHG products with suitable buyers, marketplaces, government procurement portals and e-commerce platforms based on product category, pricing,

volume capacity and delivery parameters, including factors such as consistency of supply, customer feedback and fulfilment history with transparent indicators that explain why specific buyer, pricing or packaging recommendations are suggested using self-learning recommendation systems; (4) recommend optimal raw material sourcing options based on price trends, availability, seasonality and proximity with alerts on price volatility and alternative sourcing strategies supporting cost efficiency, quality consistency and improved margins for SHG enterprises using predictive analytics; (5) support standardised product information and integration with government portals, e-commerce platforms and digital payment systems, improving visibility, discoverability and trust in SHG products across platforms using intelligent onboarding and product cataloging using image recognition and automated metadata generation.

The above AI capabilities are indicative and not exhaustive. Solution providers may modify, update or prioritise these capabilities to address the provided problem statement. Applicants may use publicly available datasets including sales data, market trends, revenue data and sample data made available via AIKosh.

Indicative Data Headers that may be shared via AI Kosh (added for internal reference): SHG Name, Member Name (anonymised); District Name; Block Name, Gram Panchayat Name, Product Category; Product Sub-category; Unit Price; Current Sales Channels; Historical Monthly Revenue; Customer Feedback; Inventory Status.

Problem Statement 2: AI-Enabled Monitoring and Predictive Analysis for Last-Mile Delivery of Essential Government Supplies (Women Development & Child Welfare Department)

The distribution of essential Government supplies, such as Anganwadi take-home rations for children, pregnant women and lactating mothers or medical supplies and disaster relief material, in remote and tribal areas continues to face persistent operational challenges. Limited connectivity, difficult terrain and the absence of real-time tracking make it hard to monitor stock movement and delivery status. As a result, Anganwadi workers often experience delayed supplies, partial or missing stock and a lack of timely updates from suppliers and transport agencies. These gaps lead to service disruptions at the last mile and frequent citizen complaints. Existing tracking and reporting mechanisms are largely manual, fragmented across departments and retrospective in nature, limiting the ability to take corrective action in time.

Use-case: An AI-enabled logistics and supply chain optimisation system is required to strengthen the delivery of essential supplies, such as Anganwadi take-home

rations particularly in remote, rural, and tribal regions. The proposed solution will enable end-to-end digitisation and real-time monitoring of the supply chain, from regional warehouses to last-mile delivery points. It will dynamically plan and optimise delivery routes and schedules by factoring in terrain constraints, weather conditions, vehicle availability and real-time location data to minimise delays, reduce fuel consumption and ensure timely delivery of critical supplies. The system may integrate with existing Government platforms, such as the POSHAN Tracker, ICDS-CAS used by Anganwadi workers and grievance redressal systems, enabling frontline workers and citizens to track deliveries, report shortages or delays and improve accountability across the supply chain.

Indicative Capabilities: The solution may leverage AI/ML technologies to: (1) optimise routes using terrain, road conditions, weather and vehicle capacity, dynamically re-routing and re-scheduling in response to real-time disruptions to reduce delivery time and fuel consumption; (2) develop monitoring dashboards/interfaces for officials indicating supply disruptions, triggering alerts for stock shortages or delayed deliveries at Anganwadi centres and health facilities; (3) enable demand forecasting of rations, medical supplies and relief materials at block and village level, with inventory optimisation to prevent stockouts and overstocking at warehouses and last-mile points via real-time nudges to officials through the dashboard; (4) deploy lightweight models suited to low-bandwidth settings, enabling offline data capture by Anganwadi workers and field staff with automatic synchronisation when connectivity is restored; (5) NLP for grievance monitoring and redressal from citizens and frontline workers to identify recurring issues, flag high-risk locations or suppliers, and integrate with existing government platforms such as POSHAN Tracker, ICDS-CAS, health systems and disaster-management portals.

The above AI capabilities are indicative and not exhaustive. Solution providers may modify, update, or prioritise these capabilities to address the provided problem statement. Applicants may use publicly available datasets including traffic and mobility datasets, road network data, satellite imagery, synthetically generated datasets to address the data gaps and sample data made available via AIKosh.

Indicative Data Headers that may be shared via AI Kosh (added for internal reference): Name, District Name; Block Name, Gram Panchayat Name, Dispatch Location, Delivery Location.

Problem Statement 3: AI-Enabled Land Allocation for Renewable Energy Projects (New & Renewable Energy Development Corporation of Andhra Pradesh)

New and Renewable Energy Development Corporation of Andhra Pradesh (NREDCAP), as the State Nodal Agency (SNA), is responsible for allocating renewable energy project sites to developers across Andhra Pradesh. Ensuring that land parcels allotted to different developers do not overlap is critical for avoiding conflicts and ensuring transparent project execution. The current process used for allocation of land parcels relies on manual checks. Digitized land bank with GIS tagging will improve scalability of operations and address possible overlaps in allocation delay approvals.

Use-Case: An AI/ML-powered GIS-based project allocation system designed to automate the validation of proposals of renewable energy projects and ensure conflict-free site allotment. The system utilises geospatial analysis to ingest proposed boundary maps and cross-reference them against boundaries of existing developer projects, transmission grids, substation maps and environmental clearance zones; prioritising site selection based on grid proximity, land characteristics and wind/solar resource density. The solution also provides a dashboard tracking the status of all allotments and comprehensive reports filtered by district, developer and land categories.

Indicative Capabilities: The solution may utilise AI/ML technologies including computer vision and geospatial technologies to (1) leverage topography analysis, identifying vegetation, slopes, water bodies and forest cover to determine land suitability and environmental constraints and prioritise land parcels for renewable energy project sites; (2) identify and flag overlapping boundaries between proposed boundary maps and existing wind/solar projects, transmission grid layouts, environmental clearance zone data, property records, legal disputes to ensure conflict-free allotment; (3) generate dashboards and comprehensive reports for tracking land allotments filtered by district, developer and land categories.

The above AI capabilities are indicative and not exhaustive. Solution providers may modify, update, or prioritise these capabilities to address the provided problem statement. Applicants may use publicly available datasets including wind turbine boundaries, satellite images, solar project boundaries, transmission grid and substation maps, environment clearance zone data, property records, land dispute data, and sample data made available via AIKosh.

Indicative Data Headers that may be shared via AI Kosh (added for internal reference): Wind Projects Map (.Kml), Solar Project Boundary Maps (.Kml), Transmission Grids, Substation Maps, Environmental Clearance Zones.

Problem Statement 4: AI Solutions for Smart Urban Infrastructure Planning (Roads and Buildings Department)

Urban transport infrastructure such as bridges and flyovers plays a critical role in supporting mobility, economic activity and urban growth. As cities expand and traffic volumes increase due to population growth, commercial activity and agricultural movement, the demand for well-planned transport infrastructure has grown significantly. However, infrastructure planning is often constrained by limited visibility into traffic patterns, evolving demand and on-ground conditions, resulting in congestion at key junctions, inefficient utilisation of assets and increased safety risks. The absence of a comprehensive, data-driven approach to planning and monitoring transport infrastructure limits the ability of authorities to make timely, informed and transparent decisions aligned with long-term urban development needs.

Use Case: An AI-enabled decision support system to assist urban authorities in planning and monitoring bridges and flyovers in Andhra Pradesh by leveraging traffic, mobility and spatial insights to better understand demand patterns, identify high-impact locations and support informed infrastructure planning over time, including assessment of traffic impact, safety outcomes, land use implications and expected utilisation to support data-driven cost benefit analysis and transparent decision making.

Indicative Capabilities: The solution may utilise AI/ML technologies and geospatial capabilities to, (1) analyse historical, proxy and near real time mobility data to forecast future traffic growth and movement patterns across key corridors and generate congestion, bottleneck and accident-risk heatmaps, flagging high-impact junctions and priority corridors with risk scores, with interpretable indicators to support targeted interventions and reduction in accident rates; (2) stimulate alternative infrastructure scenarios and recommend appropriate bridge and flyover alignments based on traffic demand, road networks, land use and population density, including comparative cost benefit indicators such as congestion reduction, safety impact and expected utilisation; (3) validate site suitability using geospatial analysis, satellite imagery and land use indicators prior to project approval, with suitability indicators such as traffic demand, network connectivity, land availability and safety risk; (4) remotely monitor construction progress and post construction performance using satellite data and anomaly detection, supporting timely interventions and improved project oversight and tracking of performance outcomes over time.

The above AI capabilities are indicative and not exhaustive. Solution providers may modify, update, or prioritise these capabilities to address the provided problem statement. Applicants may use publicly available datasets including traffic and mobility datasets, road network data, accident records, satellite imagery, land-use datasets, synthetically generated datasets to address the data gaps and sample data made available via AIKosh.

Indicative Data Headers that may be shared via AI Kosh (added for internal reference): Road Segment ID; Location (City/District); Traffic Volume; Vehicle Type Distribution; Speed and Delay Metrics; Accident Records; Seasonal Variations; Land Use/Land Cover Class; Road Network Connectivity; Proposed Infrastructure Location; Construction Status; Satellite Imagery Outputs; Traffic Forecast Indicators; Risk Scores

Problem Statement 5: AI Solutions for Scalable and Sustainable School Infrastructure Planning and Monitoring (Department of School Education)

School infrastructure planning in Andhra Pradesh is currently characterised by fragmented data sources, manual assessments and limited ability to systematically validate and forecast infrastructure needs across thousands of schools. Variations in enrolment trends, attendance patterns, demographic shifts and existing infrastructure capacity make it challenging for state, district and block authorities to accurately prioritise investments and ensure efficient utilisation of funds under Samagra Shiksha. The absence of a unified digital baseline and automated validation mechanism, planning and prioritization remain inefficient. There is a need for a scalable, AI-enabled system that can support evidence-based infrastructure planning and validation across the state.

Use Case: An AI-powered planning and validation system to create and maintain a Baseline Assessment and Validation (BAV) model for schools in Andhra Pradesh, enabling data-driven forecasting of infrastructure requirements and automated validation of school level demand plans under Samagra Shiksha to support timely and prioritised infrastructure decision making at block, district and state levels with outputs that clearly indicate how infrastructure needs to be estimated and how proposals are validated and prioritised.

Indicative Capabilities:

The solution may leverage AI/ML technologies to (1) analyse historical and near real-time data on enrolment, attendance, demographics and infrastructure capacity to forecast requirements for classrooms, sanitation facilities and repair and maintenance; (2) validate school-level infrastructure proposals against historical

trends, Samagra Shiksha norms, unit costs and predefined rules (for example, duplicate or inflated requests, mismatches with enrolment, or infrastructure already existing), and detect inconsistencies, over-reporting and non-compliance with scheme guidelines at scale indicating whether proposals are accepted, flagged or rejected along with the reasons for each outcome and confidence scores; (3) support continuous planning, monitoring and prioritisation of infrastructure investments through integration with departmental dashboards and governance systems, operating across thousands of schools and providing a scalable foundation for long-term planning, timely creation, repair and maintenance of school infrastructure.

The above AI capabilities are indicative and not exhaustive. Solution providers may modify, update or prioritise these capabilities to address the provided problem statement. Applicants may use publicly available datasets including education management, information systems, demographic datasets, school infrastructure records, and sample data made available via AIKosh to address the problem statement.

Indicative Data Headers that may be shared via AI Kosh (added for internal reference): School ID; School Name; School Location (State/District/Block); Latitude; Longitude; Management Type; School Category (Elementary/Secondary/Senior Secondary); Student Enrolment (by grade and gender); Attendance Rates; Existing Infrastructure Details (Classrooms); CWSN Toilets Availability; Resource Rooms Availability; Drinking Water Facility Status; Electrification Status; Ramp Availability; Infrastructure Condition Status; Demand Plan Details (2025); Proposed Infrastructure Type; Estimated Cost; Approval Status; Demographic Indicators; Year of Data Capture

Problem Statement 6: AI Solutions for Smart Property Identification and Urban Monitoring for Land Use Mapping and Planning (Municipal Administration & Urban Development Department)

The Urban Local Bodies (ULBs) in Andhra Pradesh manage a large and growing volume of property and geospatial data, including millions of property records, high-resolution satellite and drone imagery and multiple GIS layers covering land use, water bodies and urban features. However, the identification of properties, open plots and land features from these datasets is largely carried out through manual interpretation of imagery and reconciliation with existing GIS records. This manual approach is time-consuming, prone to inconsistencies and limits the timely detection of new constructions, boundary changes or encroachments. As a result, property records often remain outdated, affecting effective urban monitoring, land use mapping, planning and governance. There is a need to develop scalable, accurate

and automated AI-based geospatial solutions that can support reliable property identification and continuous monitoring across urban areas.

Use Case: An AI-enabled system that automatically identifies properties and land features, detects temporal changes and maintains accurate, up-to-date property records for Urban Local Bodies by analysing satellite imagery, drone data and GIS layers, thereby improving land-use mapping and planning with lineage of detected changes and record updates.

Indicative Capabilities:
The solution may leverage AI/ML technologies to (1) detect and classify properties, open plots and water bodies from high-resolution satellite and drone imagery, align these features with existing property records and GIS layers, and perform change detection against historical imagery to flag new constructions, expansions or encroachments indicating the image source and type of change identified; (2) update property boundaries and attributes within GIS systems based on detected changes, and overlay and analyse multiple (100+) GIS layers to support urban monitoring and land-use planning, while maintaining fully traceable and auditable updates to geospatial records; (3) maintain a record of property level changes, enabling Urban Local Bodies to review earlier records, compare previous and current boundaries, and track changes in land use or built up area overtime to support planning and governance.

The above AI capabilities are indicative and not exhaustive. Solution providers could modify, update or prioritise these capabilities to address the provided problem statement. Applicants may use publicly available datasets including satellite imagery, drone imagery, cadastral and land-use datasets, municipal GIS layers, and sample data made available via AIKosh to address provided problem statements.

Indicative Data Headers that may be shared via AI Kosh (added for internal reference): Property ID; Geographic Coordinates, Property Boundary; Land Use Type; Built up Area; Water Body Indicator; Image Capture Date; Change Detection Status; Type of Change (New Construction, Expansion, Encroachment); GIS Layer Reference; Record Update Date; Record Change Log

Annexure II – Evaluation Details

Evaluation Parameters (General and Technical)

The evaluation process would be overseen by a distinguished panel of jury members comprising experts from the fields of machine learning, data science and sectoral expertise. The jury would rigorously assess each submission based on predefined criteria to ensure a fair and comprehensive evaluation. The evaluation will ensure equitable weightage is given to both the Technical and General parameters.

I. General

	Parameter	Description
1	**Approach Towards Problem Solving**	Product Idea, Degree of Innovation, Simplicity of Final Solution, Uniqueness of Solution, Novelty of Approach
2	**Solution Technical Feasibility**	Product features, Scalability, Interoperability, enhancement & expansion, Underlying technology components & stack and futuristic orientation
3	**Product Roadmap**	Potential Cost to Build, Deploy and Maintain Product for two years from go-live, Regulatory compliance, System Integration plan.
4	**Team Ability & Culture**	Prior Experience of the entity in developing and deploying similar solutions in private and public domains specifically healthcare and climate change, Team Leader's Effectiveness (i.e. Understanding of subject matter, Ability to guide, Ability to present idea), Ability to Market Product, Growth Potential of Organisation
5	**Adherence to Responsible AI Principles**	Safety and Reliability, Equality, Inclusivity and Non-discrimination, Privacy and Security, Transparency, Accountability, Protection and Reinforcement of positive human values
6	**Adherence to Data Policies and Cyber Security Guidelines**	Adherence to applicable Government of India policies, guidelines, regulations on Data Governance and Cyber Security

II. Technical

	Parameter	Description
1.	**Data preparation**	Participant has - explored the data and removed unnecessary columns. - checked if there is any skewness in the data and tried to mitigate it - performed stratified train-test split successfully to create train & test datasets. - ensured data coverage, size, and quality - integrated data management and governance policy
2.	**Model Building**	- Participants have performed the required cross-validation and have built different models on raw-data. - After evaluation on the raw dataset, Model hyperparameters are tuned using correct principles and the approach is explained clearly. - A reasonable number and variety of different models are attempted, and the best one is chosen based on key performance metrics.
3.	**Model Evaluation**	- Model evaluation is conducted using an appropriate metric. - Integrated model monitoring and enhancement strategy.

4.	**Technical Robustness**	- Accuracy: The proportion of correctly classified instances (both true positives and true negatives) out of the total instances.
		- Precision: The proportion of true positive instances out of the instances predicted as positive.
		- Recall (Sensitivity or True Positive Rate): The proportion of true positive instances out of the actual positive instances.
		- F1 Score: The harmonic mean of precision and recall, providing a single metric that balances both concerns.
		- AUC-ROC (Area Under the Receiver Operating Characteristic Curve): Measures how well the model distinguishes between classes.
		- Confusion Matrix: A table providing a detailed breakdown of true positives (TP), true negatives (TN), false positives (FP), and false negatives (FN).
		- Other Metrics (Optional): Log Loss and Balanced Accuracy of the model.
		- Additional Criteria: Any other metrics as agreed upon by jury members depending on the Problem Statement being addressed.

Teams should prepare submissions aligning with the following sections. Detailed forms will be available on the IndiaAI portal.

Section 1: Team Information

1. Applicant Type (Startup/Company/Autonomous body):

2. Team Name*:

3. Team Leader Information*:

- Full Name:

- Designation:

- Core Expertise Areas:

- Email Address:

- Phone Number:

- LinkedIn Profile:

4. Organisation:

- Name of Organisation:

- Registration Number:

- Date of Incorporation:

- Number of Employees:

- Core Function of Organisation:

- Address:

- Website:

5. Team Members: List each member details including

- Full Name

- Role

- Email

- LinkedIn Profile

6. Prior Experience in relevant project implementation and research work*:

   Describe relevant AI solutions designed and developed, technologies used, and outcomes, publications, etc. (max 200 words).

7. Experience collaborating with public and private entities*:

   Specify partners, nature of engagement for similar projects, and key results (max 200 words).

Section 2: Project Proposal

1. Title of the Solution: **

2. Problem Statement Addressed: * (Choose from Annexure I)(drop down)

3. Proprietary Model*:

   o Is the AI model developed in-house (not based on third-party pre-trained models)?

     ☐ Yes   ☐ No

   o If No, provide names of the third-party applications used and licenses details. (max 100 words)

4. Description of the Solution: * Provide a comprehensive overview of the system, including:

   o Functionality

   o Features

   o Core AI technologies used

   o Training and validation data used, highlighting data provenance, coverage, size and quality

- o Process and strategies adopted for model training, refinement, solution monitoring and enhancement

- o Solution replicability across multiple sectors for relevant use cases *(Max 300 words)*

5. Provide technology readiness level (1-9) for your solution, with clear milestones and risks (max 100 words).*

6. Highlight how this improves upon third-party or open-source models. Provide the benchmarking done for your solution. Provide Performance indicators measured (e.g., accuracy, False Positive/Negative Rates), the methodologies used for measurement, and the outcomes. *(Max 300 words).*

7. Architecture and Design*: Upload or link to technical architecture diagrams, process flow, flowcharts, and other relevant design document.

8. Data Management and Privacy*: Describe how data collection, confidentiality, encryption, storage, access control, retention and removal will be implemented. Include measures taken to ensure compliance with relevant regulations and standards for data privacy and security measures. (max 100 words)

9. Compliance with Responsible AI Principles*: Describe how the solution adheres to principles of fairness, transparency, accountability, and non-discrimination. (max 100 words)

10. Scalability and Integration Readiness*: Describe deployment mode, integration compatibility, offline operability, and future expansion capability. (max 100 words)

11. Has the solution been piloted/deployed? (Please provide details – Where, how and which region/geographies the solution has been piloted and scaled into) (Max 100 words)*

12. Upload supporting documents for pilot/deployment, if any

Section 3: Business Plan

1. Business Model: Describe the business model, including revenue generation strategies. (max 300 words)

2. Market Analysis: Provide an analysis of the market size, competition, and potential market share. (max 100 words)

3. Go-to-Market Strategy: Outline the plan for bringing the solution to market. (max 100 words)

4. Partnerships and Collaborations: List any existing or potential partnerships including any assistance from existing products. (max 100 words)

Section 4: Supporting Documents

*Consistent nomenclature is required for all supporting documents E.g., Individual name Pitch Deck

1. Pitch Deck: * (Upload)

2. Proof of IPs/Patents, if any

3. Ethics / Regulatory Clearance (if secured)

4. Solution demo video (2-3 minutes) *

5. Any additional documentation to strengthen the proposal such as model accuracy proof etc.

Section 5: Declaration

Declaration by Team Leader: I hereby declare that the information provided is accurate and complete to the best of my knowledge. I agree to abide by the rules and guidelines of the Challenge.

Date: _____