

Evaluation Criteria

Aadhaar Hackathon 2021

Theme 1 & 2: Selection Process

Selection Process

- All the Submission will be Evaluated in Three Stages
 - First Stage - Compliance to the Participation Rules
 - Second Stage - Shortlisting of the Solutions
 - Third Stage - Final Selection from the Shortlisted Entries and Ranking
 - Team May be Called to make a Short Presentation for the Jury
- Each Stage would be Evaluated by Independent Juries
 - Evaluation as per the Criteria Listed in this Document
- Multiple Entries Submitted by the Teams would be Evaluated Independently

Important Points to Consider

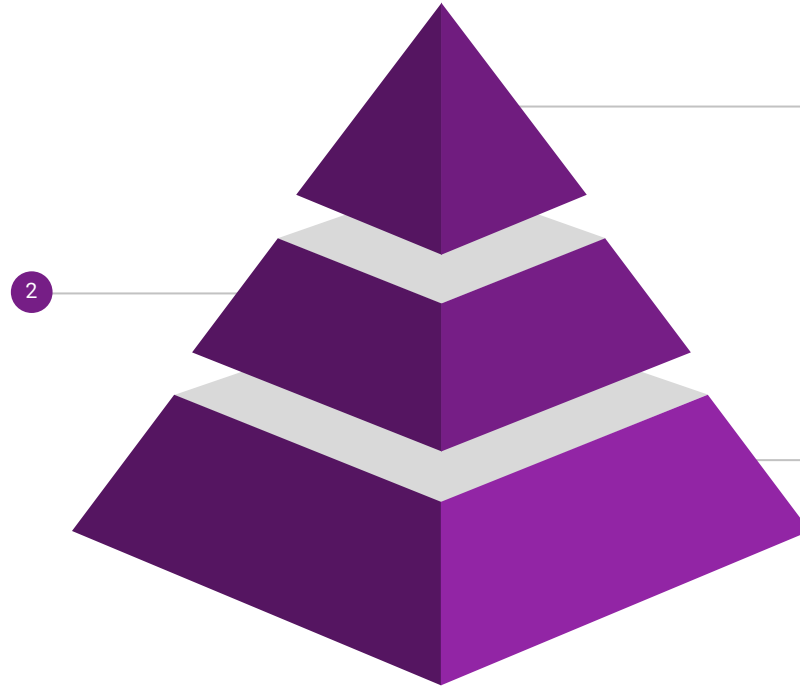


- Minimum Entry Criteria for Selection:
 - Every solution submitted by the team shall be a **Working & Demonstrable** version with screenshots and video
 - A Team may submit more than one solution, each solution will be evaluated independently
 - If the Solution Uses APIs other than Provided by UIDAI, should be Accessible till 15 Nov 21
 - Use of one or more Aadhaar APIs in every solution is encouraged
 - All the Required Code Repositories (frontend & backend services) shall be tagged
 - The Latest Tag before the Due Date shall be considered for Submission / Review

3 Step Evaluation Process

Shortlisting by Jury

For **each** Problem Statement, at-least two Entries would be selected for Final Round. Selection of Entries of Next Round would be as per the Published Evaluation Criteria.



Final Selection

3 Final selection of winners based on the judgement of the Jury.

Shortlisting of Teams Based on the Rules of Participation

1 Each Submission would be Checked Against Participation and Submission Rules. Teams may eliminated at this Stage.

Address Update in Urban Areas

Theme I - Address Update

Evaluation Criteria

Sl No	Criteria
1	<p>Resident Experience</p> <ul style="list-style-type: none">• Simplicity of Usage• UX Design• Minimum Data Entry to Request Address• Edit Functionality of Data• Handling of Sensitive Data
2	<p>Communication Between You (Borrower) and Landlord (Donor)</p> <ul style="list-style-type: none">• Use of APIs for PUSH Notification• Audit Log of Communication
3	<p>Use of Aadhaar APIs</p> <ul style="list-style-type: none">• Use of Online/Offline eKYC API for Address Exchange

Evaluation Criteria

SI No	Criteria
4	<p>Auditability</p> <ul style="list-style-type: none">• Audit Log Data Structure• Reconstruction of Process from the Audit Logs
5	<p>Prevention of Fraudulent Usage</p> <ul style="list-style-type: none">• Consideration of Fraudulent Scenarios and Safeguards• Privacy of the Borrower Data
6	<p>Verification of the Accuracy of Final Address</p> <ul style="list-style-type: none">• Use of Technology (APIs) to Verify the Accuracy of Address
7	<p>Narrow Bandwidth Consideration</p>

Evaluation Criteria

SI No	Criteria
8	Execution of the Code
9	Code Quality <ul style="list-style-type: none">● Organisation of the Code & Readability● Security Consideration

Address Update Using Supporting Documents

Theme I - Address Update

Evaluation Criteria

Sl No	Criteria
1	<p>Operator App Experience</p> <ul style="list-style-type: none">• Simplicity of Usage• UX Design• Minimum Data Entry to Request Address• Edit Functionality of Data• Handling of Sensitive Data
2	<p>Extraction of the Data Using OCR Technology</p> <ul style="list-style-type: none">• Use of APIs for Text Extraction• Accuracy of Extraction
3	<p>Verification of Accuracy of Address</p> <ul style="list-style-type: none">• Use of GeoCode APIs and GPS for Accuracy Verification

Evaluation Criteria

Sl No	Criteria
4	Verification of Edited Address with Original Address <ul style="list-style-type: none">• Use of GeoCode APIs for Address Matching
5	Auditability <ul style="list-style-type: none">• Audit Log Data Structure• Reconstruction of Process from the Audit Logs
6	Execution of the Code
7	Code Quality <ul style="list-style-type: none">• Organisation of the Code & Readability• Security Consideration

Address Formatting Issue

Theme I - Address Update

Evaluation Criteria

Sl No	Criteria
1	<p>Accuracy of the Output</p> <ul style="list-style-type: none">● Grouping of Repetitive Components● Final Address Presentation● Accuracy Test Against 10,000 Address Records
2	<p>Strength of the Optimisation Algorithm</p> <ul style="list-style-type: none">● Handling of Address of Urban & Rural Areas● Handling of Edge/Boundary Cases<ul style="list-style-type: none">○ Non Availability of Repetitive Components○ Extreme Repetitive Scenarios○ Non Avblty of Some of the Address Components (Like Locality, Sub-District)○ Availability of Special Characters○ Handling of Minor Spelling Mistakes (Missing Alphabets)

Evaluation Criteria

Sl No	Criteria
3	Handling of Local Language Address <ul style="list-style-type: none">• Extension of Optimisation Algorithm to Local Language Address Components
4	Design of API <ul style="list-style-type: none">• API Specifications• Performance at Scale
5	Execution of the Code
6	Code Quality <ul style="list-style-type: none">• Organisation of the Code & Readability• Security Consideration

Theme 2 : Selection Process

Airport / Stadium / Railway Station / Hotel Check-in Application

Theme 2 - Authentication Reimagined

Evaluation Criteria

SI No	Criteria
1	User Experience <ul style="list-style-type: none">• Simplicity of usage• UX design / experience• Seamless integration between applications
2	Security <ul style="list-style-type: none">• Secure handling of sensitive data• Ensuring non repudiable actions and process to solve the problem.• Handling of Security and Privacy features• Audit capabilities
3	Solution to the stated problem <ul style="list-style-type: none">• Use of VID and OTP/Face Auth modalities• Use of Other Auth modalities in an innovative way• Addressing Online and Offline use cases / scenarios• Other Innovative ways to solve Gate Entry equivalent use cases

Evaluation Criteria

SI No	Criteria
4	Innovation that is relevant to the problem at hand
5	Capability of solution and/or design to perform at scale
6	Code Quality & Execution of code (including all edge case scenarios)

Aadhaar backed KYC / Liveness Certificate

Theme 2 - Authentication Reimagined

Evaluation Criteria

SI No	Criteria
1	User Experience <ul style="list-style-type: none">• Simplicity of usage• UX design / experience• Seamless integration between applications
2	Security <ul style="list-style-type: none">• Secure handling of sensitive data• Ensuring non repudiable actions and process to solve the problem.• Handling of Security and Privacy features• Audit capabilities
3	Solution to the KYC / Liveness problem <ul style="list-style-type: none">• Creation Video KYC solution• Use of VID and OTP/Face Auth modalities• Addressing Online and Offline use cases / scenarios• Simplicity in workflows to automate document or other challenge verification• Other Innovative ways to solve the KYC/Liveness Certificate challenge

Evaluation Criteria

SI No	Criteria
4	Innovation that is relevant to the problem at hand
5	Capability of solution and/or design to perform at scale
6	Code Quality & Execution of code (including all edge case scenarios)

Usage of Aadhaar as an Additional Factor in High Value Third Party Transactions

Theme 2 - Authentication Reimagined

Evaluation Criteria

SI No	Criteria
1	User Experience <ul style="list-style-type: none">• Simplicity of usage• UX design / experience• Seamless integration between applications
2	Security <ul style="list-style-type: none">• Secure handling of sensitive data• Ensuring non repudiable actions and process to solve the problem.• Handling of Security and Privacy features• Audit capabilities
3	Solution to use Aadhaar as additional factor to 3rd party txns <ul style="list-style-type: none">• Use of Auth modalities in an innovative way• Addressing Online and Offline use cases / scenarios• Ensuring privacy of the individual• Other Innovative ways to solve Aadhaar as additional auth factor

Evaluation Criteria

SI No	Criteria
4	Innovation that is relevant to the problem at hand
5	Capability of solution and/or design to perform at scale
6	Code Quality & Execution of code (including all edge case scenarios)

Achieving 100% Authentication Success in Rural India

Theme 2 - Authentication Reimagined

Evaluation Criteria

SI No	Criteria
1	User Experience <ul style="list-style-type: none">• Simplicity of usage• UX design / experience• Seamless integration between applications
2	Security & Privacy <ul style="list-style-type: none">• Secure handling of sensitive data• Ensuring non repudiable actions and process to solve the problem.• Handling of Security and Privacy features• Audit capabilities
3	Solution to the 100% Aadhaar auth inclusion problem <ul style="list-style-type: none">• Use of VID and OTP/Face Auth modalities• Use of Other Auth modalities in an innovative way• Addressing Online and Offline use cases / scenarios• Addressing Low bandwidth use cases / scenarios• Ensuring 100% inclusion by smart workflows digitally• Other Innovative ways to solve for 100% Aadhaar based auth inclusion

Evaluation Criteria

SI No	Criteria
4	Innovation that is relevant to the problem at hand
5	Capability of solution and/or design to perform at scale
6	Code Quality & Execution of code (including edge case scenarios)