



UIDAI HACKATHON 2021

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1 PROBLEM #1- Address Update in Urban Areas

“We all know updating address on an AADHAAR card is a total drag, so... we came up with a solution.”

We were required to provide an innovative solution using technology that will help in overcoming the challenge to update the Aadhaar. For the solution, the user has to interface with the landlord in an online manner using online portal to request his address. Inconvenience caused during the address update process is a common problem being faced by many migrant residents.

2

SOLUTION

We have come up with a solution which makes the process of Address update on Aadhaar card easier. The communication between the user and the verifier(landlord) is entirely electronic and through the portal

- The user may easily use the portal to post a request for borrowing the address from the landlord
- Landlord gets a notification on the phone seeking his approval and he may or may not agree to share the address. This ensures the integrity of the person
- If the verifier agrees to share his address and the address on the Aadhaar card matches with his current location, he will be directed to a page where his credentials will be validated, else further process will be discarded.

- Once the request gets approved by the verifier, the user will receive a message on the number linked to Aadhaar card.
- Through the link provided in the message the user will be taken to a page where he will be asked to preview the Address and to make slight changes in it. The user will only be allowed to make minor changes like addition of flat number or street name. The changed address should lie in the range of 20 meters of the original address, else his request will be invalidated.

3

Special Features

These features ensure that the entire mechanism remains secure.



1

Cross- checking the current location of the landlord with the one on the Aadhaar card.

2

Validating modified address using GPS of device. Terminating update process if major changes are made to landlords address

3

Authenticating the Aadhaar number of each (user and verifier)

4



User

User's Aadhaar number → Verifier's Aadhaar number
(Authentication using **OTP & Auth API**)

User will wait until his request gets approved



Verifier

Message will be received on the number linked with Aadhaar card → His location will be verified as per the address mentioned in the Aadhaar card

(**E-KYC API**)



User

Message will be received on the number/mail linked with Aadhaar card → Will be asked to preview the address and to make minor changes in it

(This address has been extracted from the **E-KYC API**)

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Team Members

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Thank you!

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