PRD Document

eKYC Suite for Balaji Equities Ltd.

A software solution provided by Cloudtaru Infotech Pvt. Ltd.

Table of Contents

Document Introduction

This is an Account opening document for BALAJI EQUITIES LIMITED, eKYC Suite.

Document Convention

This multi-level document contains modules and sub-modules with the user flow and actions the user may perform to understand the product better.

Intended Audience and reading suggestions

This document is a draft for every individual that will be part of the product development life cycle and will be distributed to the business owner, development team, project management team, and testing team.

The document is drafted with a top-to-bottom approach; thus, it is suggested to have a top to down approach for reading the manuscript.

Application Introduction

The eKYC process is developed for the user to help them create a Demat and trading account online, with the integration of the documents through Digi locker, providing them with the facility to create an account online.

Modules and Utility

eKYC Suite application has three modules as defined below: -

❖ Client Module

Users shall be able to sign in to the platform and shall be able to create their Demat and trading accounts by linking their Digilocker account. Users will be able to complete the KYC process with ease.

❖ Admin Module

Admin shall be able to re-verify all the details user used to register in the KYC process and check the status of the stage on which the user is currently on.

❖ Modification Module

Users shall be able to login to the platform and request for Modifications. Clients can modify either all or any one of the below in this module.

Modifiable fields: Aadhaar, Mobile number, email ID, nominee details, address, bank details, FATCA, trading segments, account re-activation (Re-KYC) and account closure.

Business Requirements

Balaji Equities Ltd. wanted an application that handles KYC, Re-KYC and Closure, where user shall be able to create the Trading & Demat Account with the help of KYC Verification, where Digi Locker API is also implemented. To complete the KYC flow, the user must complete the E-sign Process, which includes KRA E-Sign and equity E-sign, where they shall receive the PDFs in their registered e-Mail ID.

Scope of the Project

Flow of the Customer On-boarding Module

❖ User Authentication Flow

1. Mobile Number Verification
    a. OTP Verification

2. Email ID Verification
    a. OTP Verification

3. User Registration
    a. First Level User Registration with Password
    b. After Successful Registration User login with Mobile Number & Password

4. PAN Verification
    a. Through PAN and DOB
    b. KRA Address Verification (Aadhar Auto fetching)

5. Segment Selection
    a) BSE Segment
        a. CASH
        b. F&O

    b) NSE Segment
        a. CASH
        b. F&O

    c) MCX SEGMENT

6. Personal details
7. Proceed with fetching Aadhaar details
    a. Login to Digi Locker account
        i. Mobile Number
        ii. OTP
        iii. Digi Locker Pin
            1. In the case of new user Register on Digi locker
    b. Consent collection - Allow Digi locker to share aadhaar related details with the application
    c. Fetching aadhaar details
8. Penny drop transfer
    a. Verifying the bank details of the applicant
9. Documents Upload

    a. PAN upload

    b. Bank proof upload

    c. Income proof upload (in case if F&O segment is selected)

    d. Signature upload

10. IPV (In person verification)

    a. Geo-location is captured – If client is trying to do KYC outside of India, application doesn't allow user to proceed any further.

    b. Live image is captured along with time and date stamp

    c. Live video is captured asking client to display their PAN Card – to confirm the liveliness of the applicant
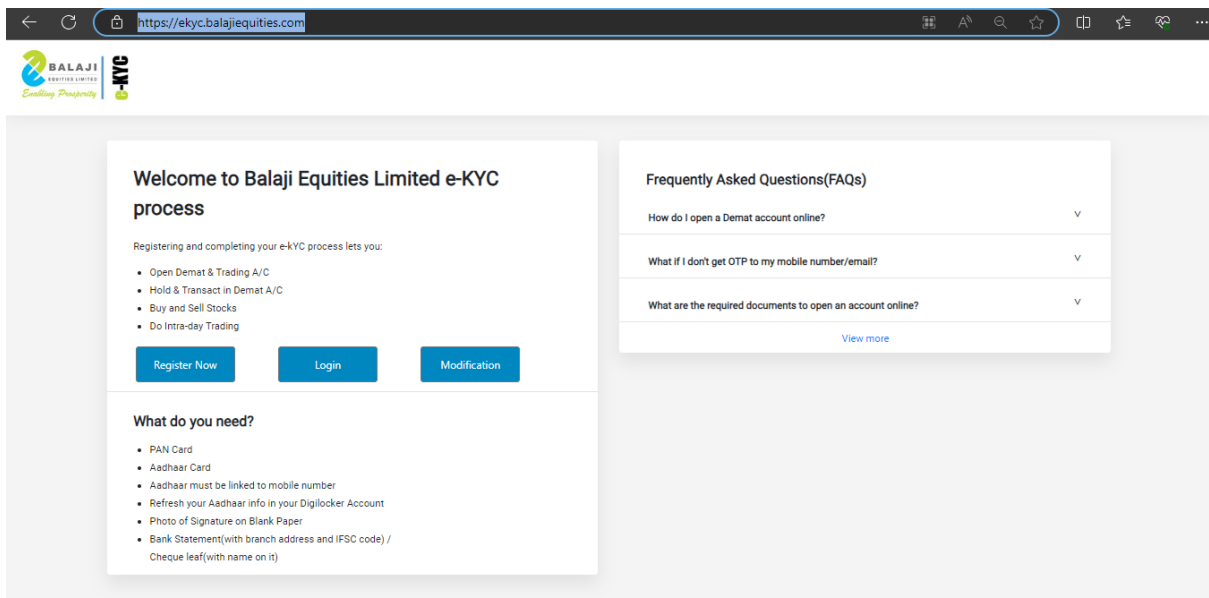
11. E-sign process

    a. E-sign on the application

    b. KRA E-sign

eKYC Suite Home Page

Link: https://ekyc.balajiequities.com/

New Client Onboarding - User Journey

User journey starts with email, mobile verification first followed by User Registration.
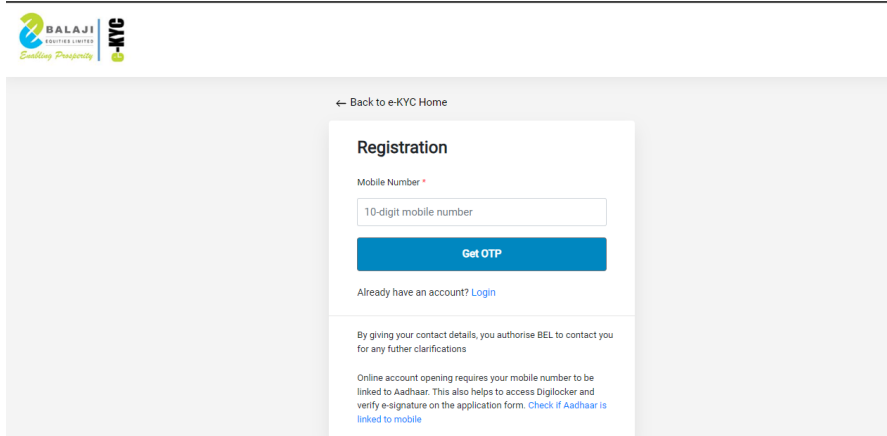
** If New User Click the → Register Now Button

** If Already Registered to check the client Details Click the → Login

** If Already Registered and need any updates Click the → Modification

Registration
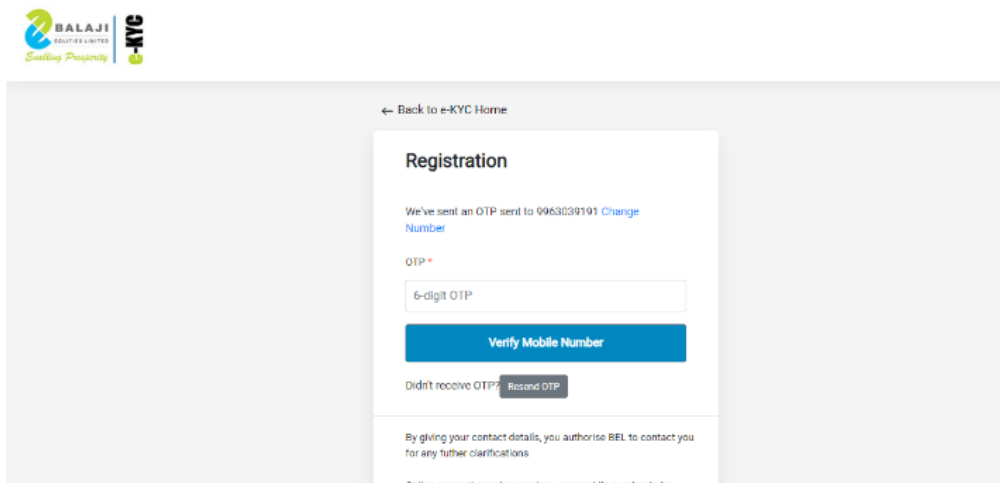
Registration Process Starts

a. Enter the 10 Digit Mobile Number in the Mobile Number Field

b. The mobile number field shall not hold numbers more than 10 digits

c. Users shall receive an OTP once send OTP button is clicked.

d. Users shall click on the Send OTP to move to the Next Screen

e. Users shall be able to enter the OTP in the OTP field.

f. The OTP field should not hold more than 6 characters.

g. Users shall be able to click on the resend OTP button to resend the OTP on the entered mobile number.

h. Once receive the OTP enter and click verify Mobile Number

Verify Email Address

1. Sign in with your Email id (Ex. XXX@gmail.com)
   a. Users shall be able to enter the email address in the "Email *" field
   b. The Email Id field shall not include more than 50 characters
   c. Users shall be able to click on the Get OTP
   d. Users shall receive OTP in the email id entered
   e. Users shall be able to enter the OTP in the enter OTP field and click Verify Email

Email Validations

1. A validation message "Please Enter a valid Email" shall appear when the user enters the wrong format for the email id.
2. Email ID shall be at mot 35 characters with special characters included
3. A validation message "Please enter an email address" shall be displayed when the user clicks the Get OTP button without entering an email address
4. A validation message "Email address already Exist" shall be displayed when the user enters an email id that is registered to any other account

User Registration

   f. After Successful Validation of your Email Address
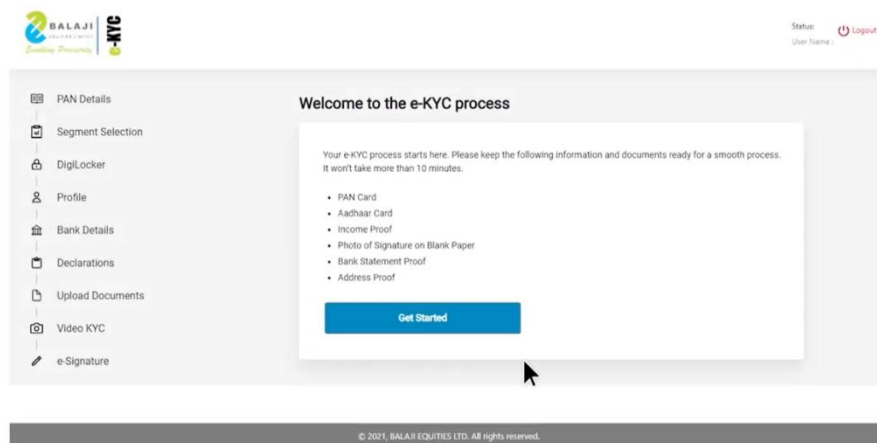
   g. Need to be Give Strong Password for your account login
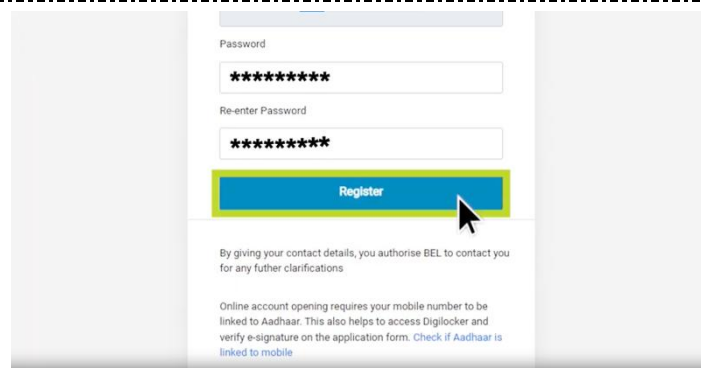
h. Click the Register button

i. Login page will appear for further process

j. Enter your mobile Number/ Email and Password to login your account
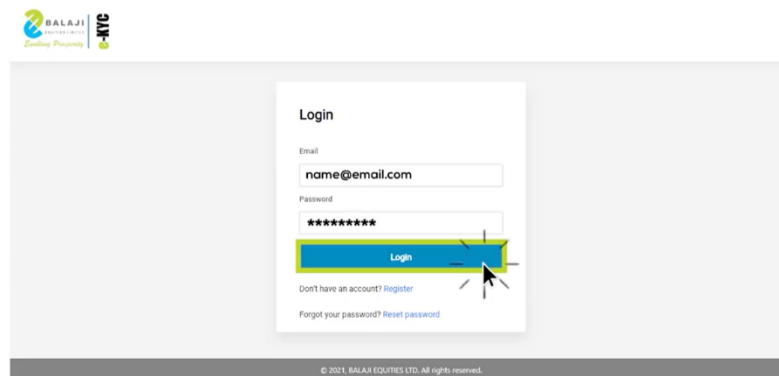
** On successful Login below screen will appear

e-KYC Process

Once logged in to the application, below process starts.

PAN Verification

- User Shall be able to enter their PAN in the PAN Field

  - ◆ PAN number shall not be longer than 10 characters

  - ◆ The following data shell be fetched from PAN

    - ➢ Name of the PAN holder from the income tax website

    - ➢ Existence of PAN in the Bank Office

    - ➢ NSDL api to fetch full name

    - ➢ Checking PMLA or Debard status

    - ➢ Checking PAN and Aadhar seeding status

- User shall be able to click Submit PAN

  - ◆ User Shall be able to view the details of your PAN
  - ◆ Click the Confirm and Save PAN Details

- A validation message "Please Enter your PAN" shall be displayed when the user clicks or the continue button without entering the PAN.

- A validation message "Please Enter valid PAN" shall be displayed when the entered PAN is invalid

- A validation message "Please enter DOB" shall be displayed when the user clicks on the continue button without entering a DOB.

- NSDL api to fetch full name & Aadhaar seeding status

- KRA api to check status (Verified Yes/No)

  *** Details fetched from various api's to be saved to auto populate on the application pdf accordingly.

Segment Selection

a. To select the segments to trade.

b. Cash/Equity Bank statement not required. Else, for all other3 segments 6 months bank statement to be uploaded and the same to be enabled on Upload documents screen

c. Based on segment selection amount to sum up and initiate to make payment

d. Payment gateway (Bill desk) to initiate payment and give all the payment options

e. Success / failure message to show on screen and an email sent to client. If payment fails, navigate to the segment & payment screen.

Digi locker Integration to fetch Aadhaar details

a. Client to have the Aadhaar and mobile linked already

b. To give access to fetch e-Aadhaar through digi locker api – initiated on Aadhaar number input and on setting a security PIN.

c. Masked Aadhaar fetched in XML format and saved in DB
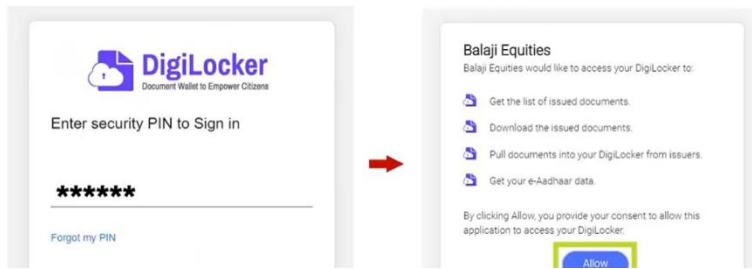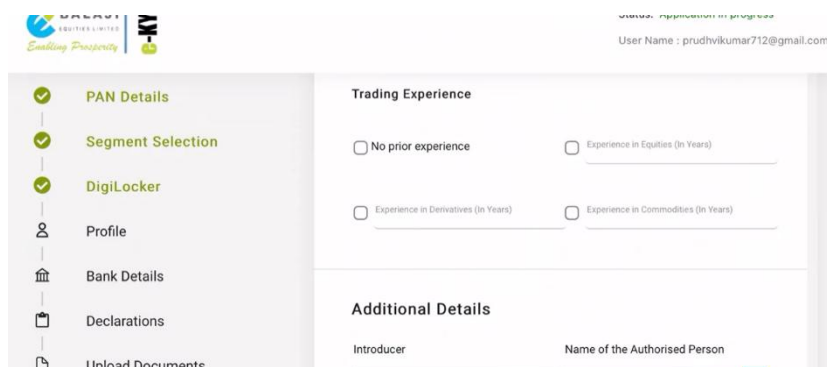

Screen:1)

Screen:2)

Profile / Personal Details

a. Fetched information from PAN, KRA & e-Aadhaar is auto populated.

b. Mandate input fields to be filled, else help text to be shown highlighting the same

c. Address proof document to populate on Upload documents screen if address not same as in Aadhaar.

d. Commodity table to display if commodity segment selected in segment screen.

e. Introducer field input if Authorised Person to display the list of AP's for selection.

f. AP's information to be mapped based on the selection.

g. Client Code to be assigned as per the selection of the Introducer field.

h. Nominee information to be updated Yes/No. If Yes input given fields & upload the proof document on upload documents screen.
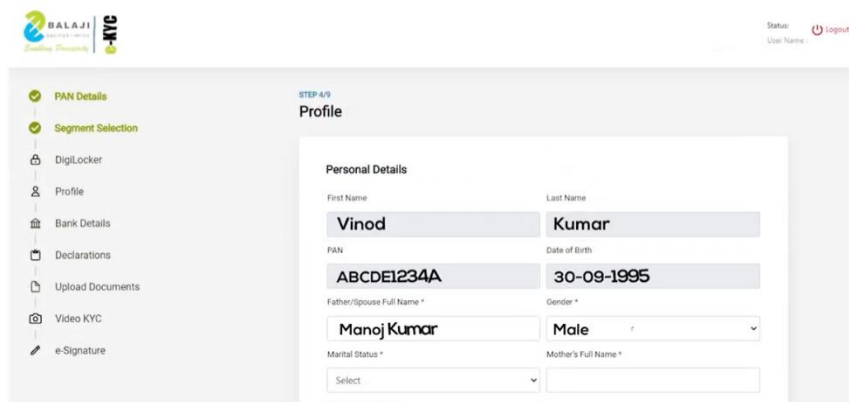
Screen:!)

Screen :2)

(Screen :3)

Bank Details

a. Account number if matches with confirm account number to show a green tick as verified

b. IFSC input to show the branch information

c. Penny drop api (NPCI gateway) to fetch

    (1) Name on the bank account (To match with PAN Name as the account will be created as on PAN, & bank proof to be submitted on the same name)

    (2) Fetch status of the account (active/inactive)

    (3) Credit one rupee to client account

Declarations Consent

a. To read and give consent on all the instructions shared as per SEBI guidelines

b. Brokerage details are also displayed in this screen, a hyper for client's reference.

Documents Upload

a. To upload documents as per the file size & formats defined.

b. Note on the top, & also beside each upload document with the size and formats

c. Based on segment selection bank statement to be enabled

d. Address proof upload to be enabled if address not same as in Aadhaar

e. If nominee Yes, to enable Upload nominee proof option.

f. PAN upload to enable image cropping option to ease the process.
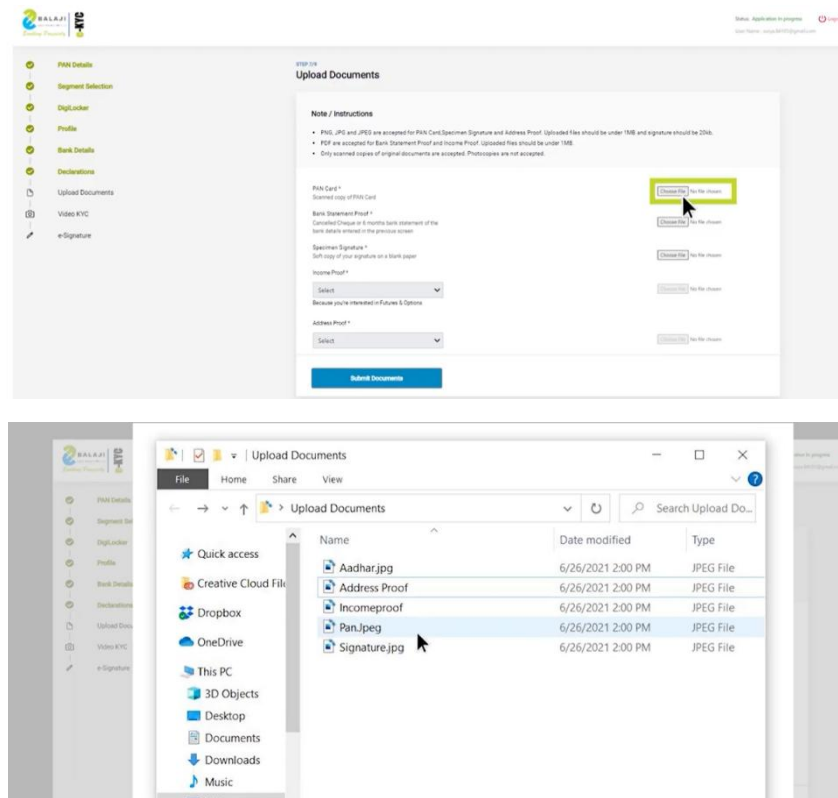
Video KYC

a. To log client geo location (latitude & longitude)

b. To check on Popup blocker in case any issue sharing camera & microphone

c. Client to click on Start Video KYC and click Image Capture.

d. Start Record & show PAN while recording for liveliness check.

e. Client to preview & redo Video KYC if image/video not clear.
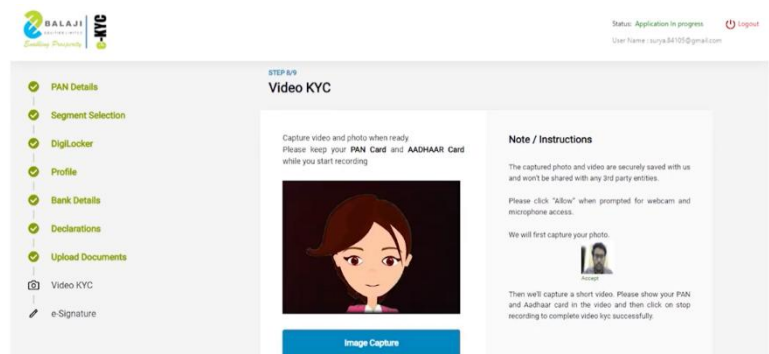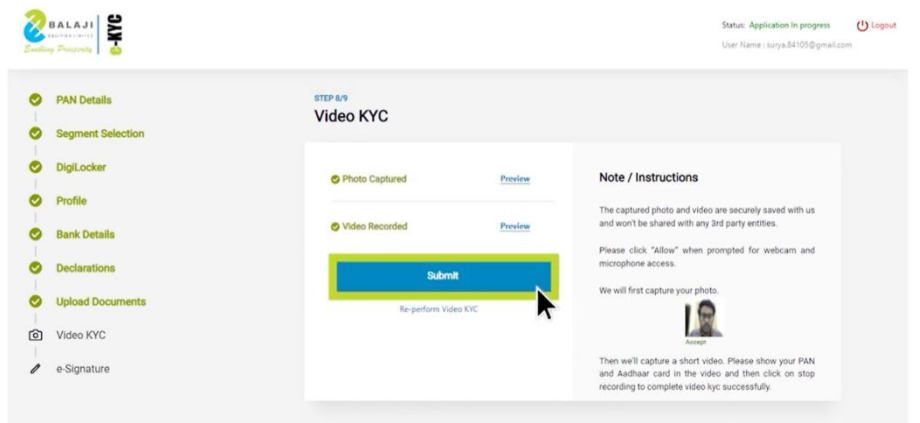
DIGIO – esign

a. To click Use DIGIO to Verify to esign the application pdf.
b. DIGIO api to Upload the pdf and download the esigned copy.
c. To navigate to DIGIO url & then to esign.gov. NSDL url to authenticate with Aadhaar number and OTP shared to linked mobile number.
d. Authorised person to complete the esign process if AP is selected in Introducer field on personal details screen.
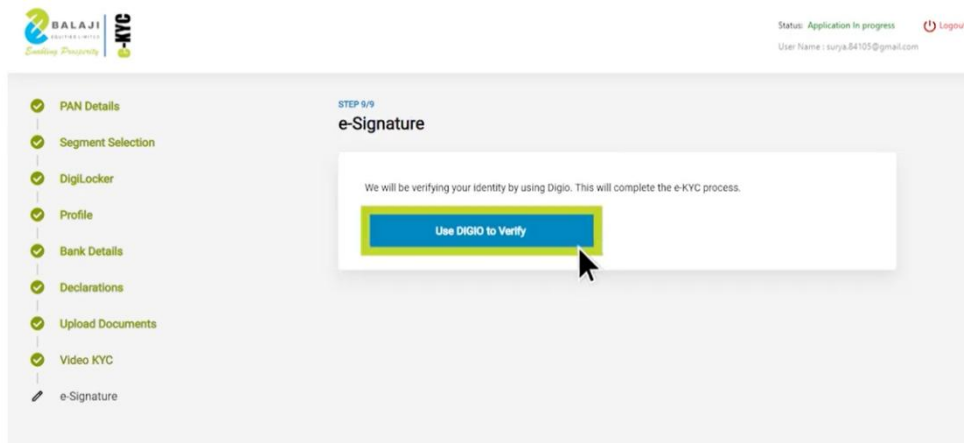
**** Esigned application copy sent to client to the registered email. CC to Admin – Documents Upload

**** CONGRAGULATIONS   (THE END of Customer Module)

Modification /ReKYC Module

URL - Balaji Equities Limited e-EKYC

User to click on Modification on the home screen of BEL to navigate to Modification module

Login Screen

Client Code Validation

MODIFICATION LOGIN
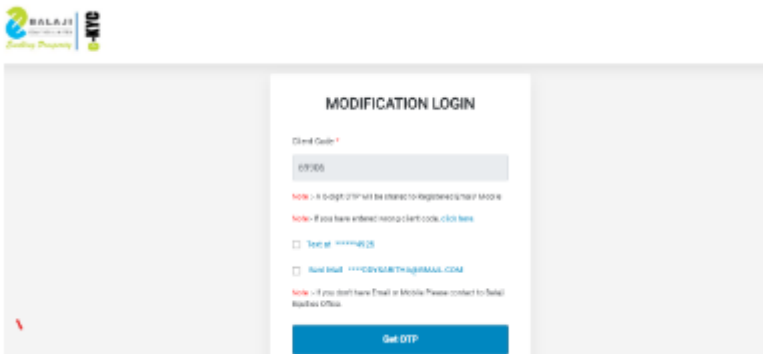
Client Code *

5-digit Client Code

Note :- A 6-digit OTP will be shared to Registered Email/ Mobile
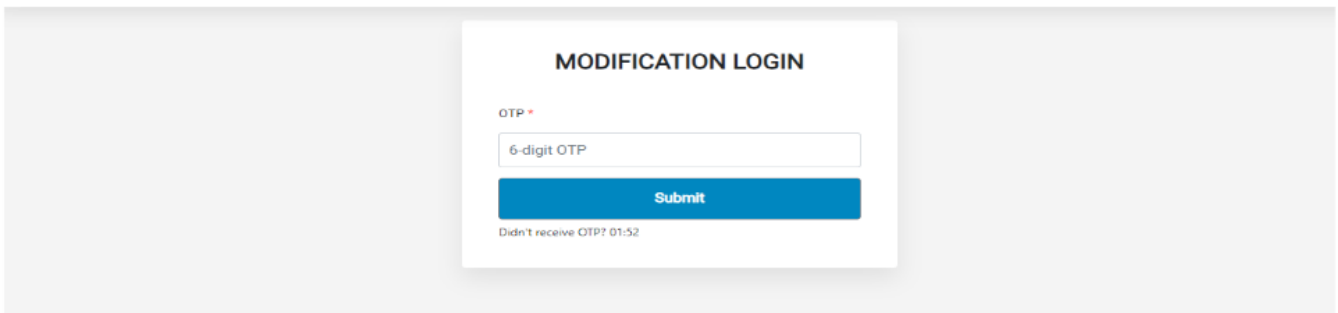
Login

a. User to enter the client code (only numbers & no variables)
b. Click on Login - **initiate CROSS api** to fetch & populate client code associated mobile and email in the format shown in the below screenshot.

c. User to select either of the options to validate with an OTP
d. On selection of the option (i.e., OTP to mobile or email), then click on Get OTP.
e. 6 digit OTP is shared accordingly.

f. User to enter the OTP and click on Submit. On correct OTP submission navigates to the modification home screen.

Modification Flow

Home Screen of Modification - 7 modules (Screenshot below)
• Segments • Personal Details • Nominee Details • Contact Details • FATCA • Bank Details

- Reactivation / Account Closure

Segments Module :

    User to select CLICK HERE to view the current details

User clicks on MODIFY, to modify the segments section.
On selection of a segment the required additional proof shall be highlighted
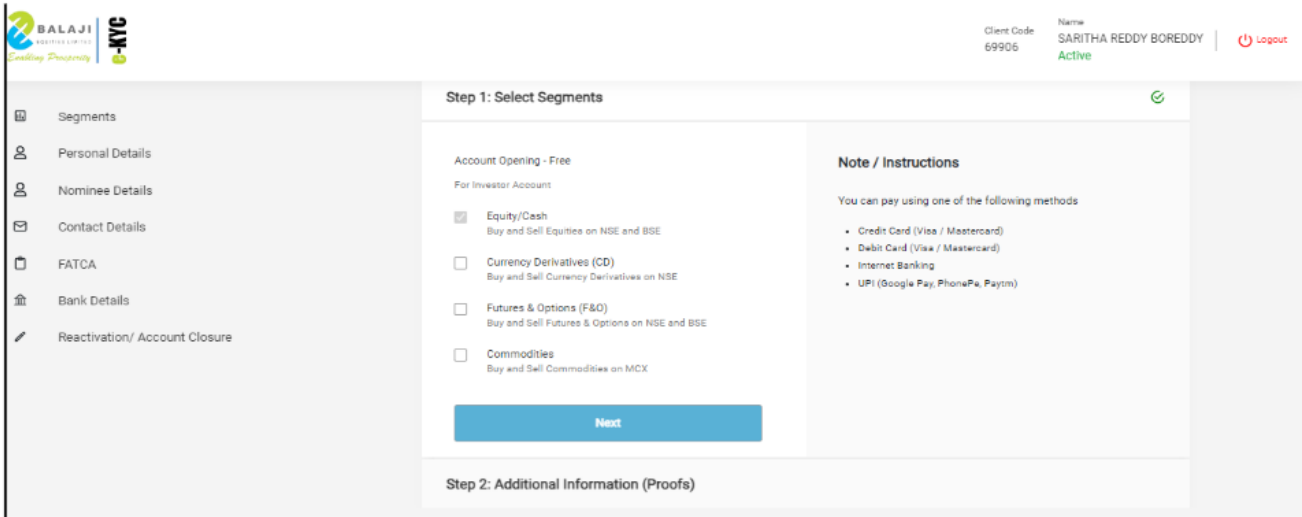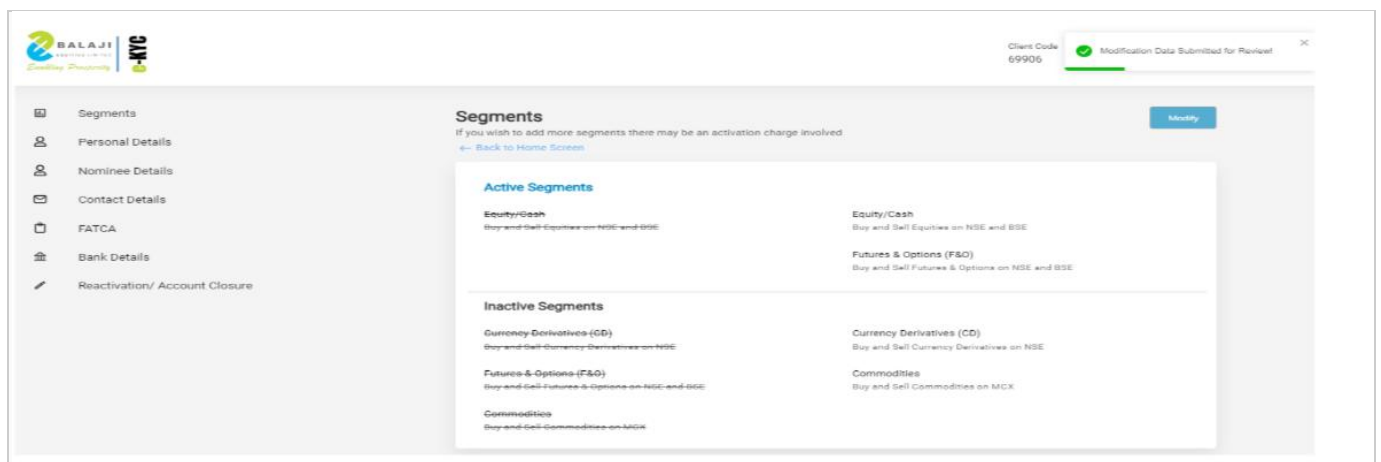
On selection of the proof, the Upload feature is displayed to upload the proof document.
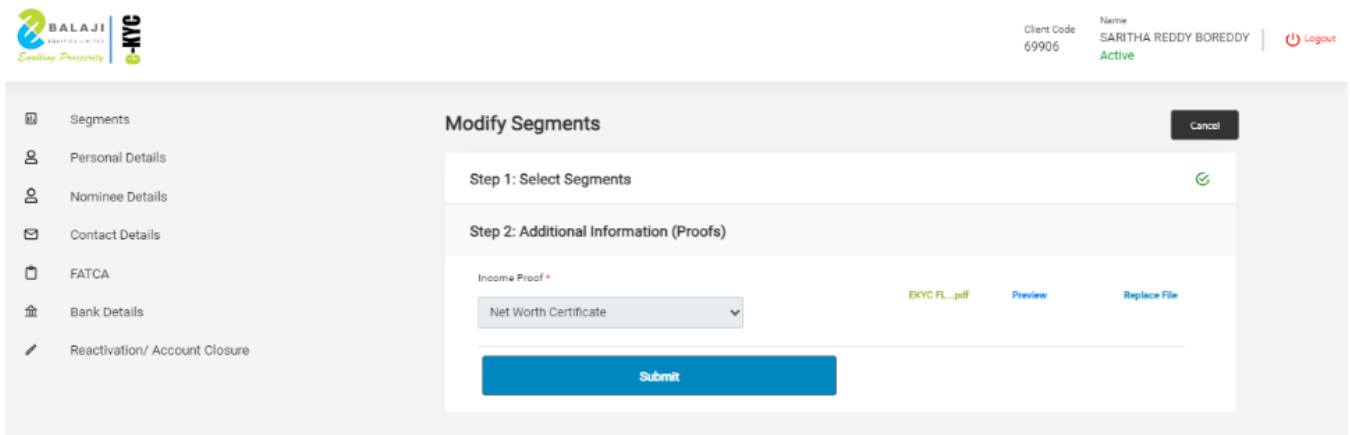
User clicks on SUBMIT to Save the changes
New changes / user selection to display on the screen as per the below screenshot

User clicks on Back to Home Screen to view all 7 modules.
Any modification saved in any segment would turn the CLICK HERE button green.

User cannot modify any module after saving the changes in any section
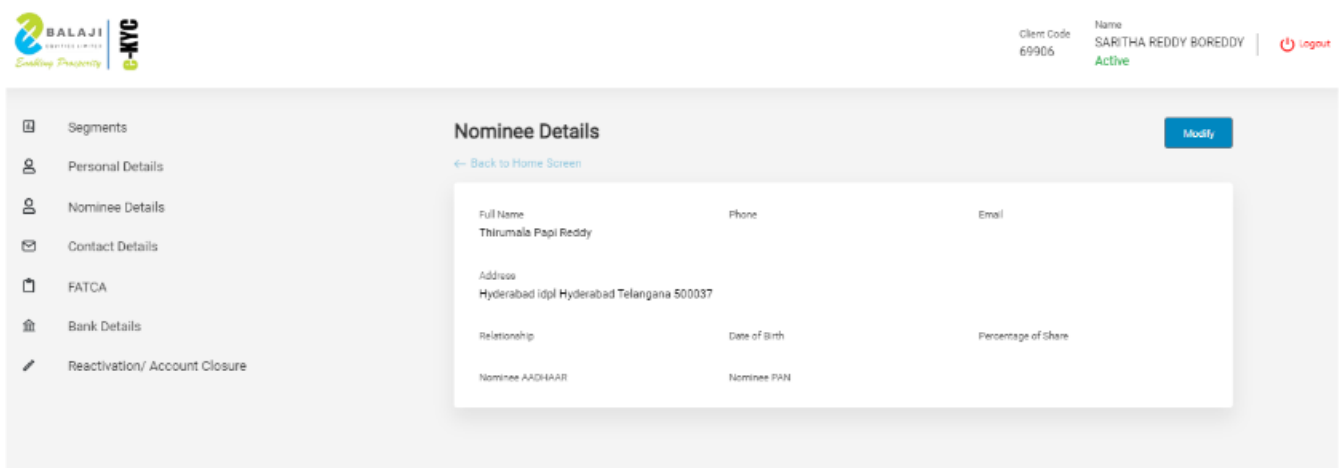
2. Personal Details Module :-
Existing details (fetched from backoffice api) of the user is shown on selection of Personal Details (screenshot)
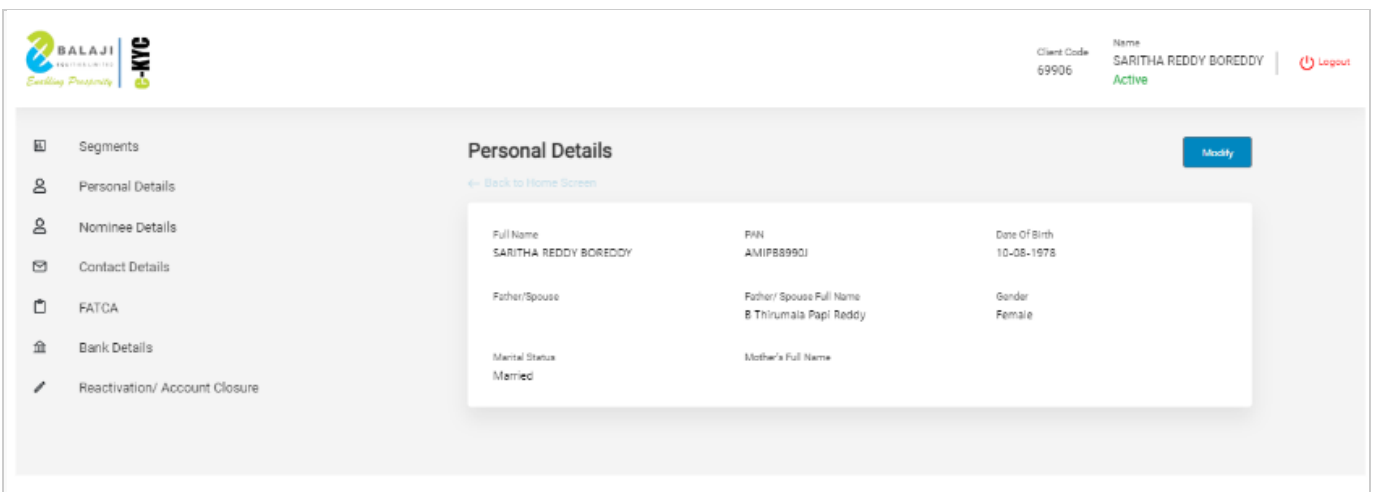
Modify option to display all the fields that can be updated & saved.
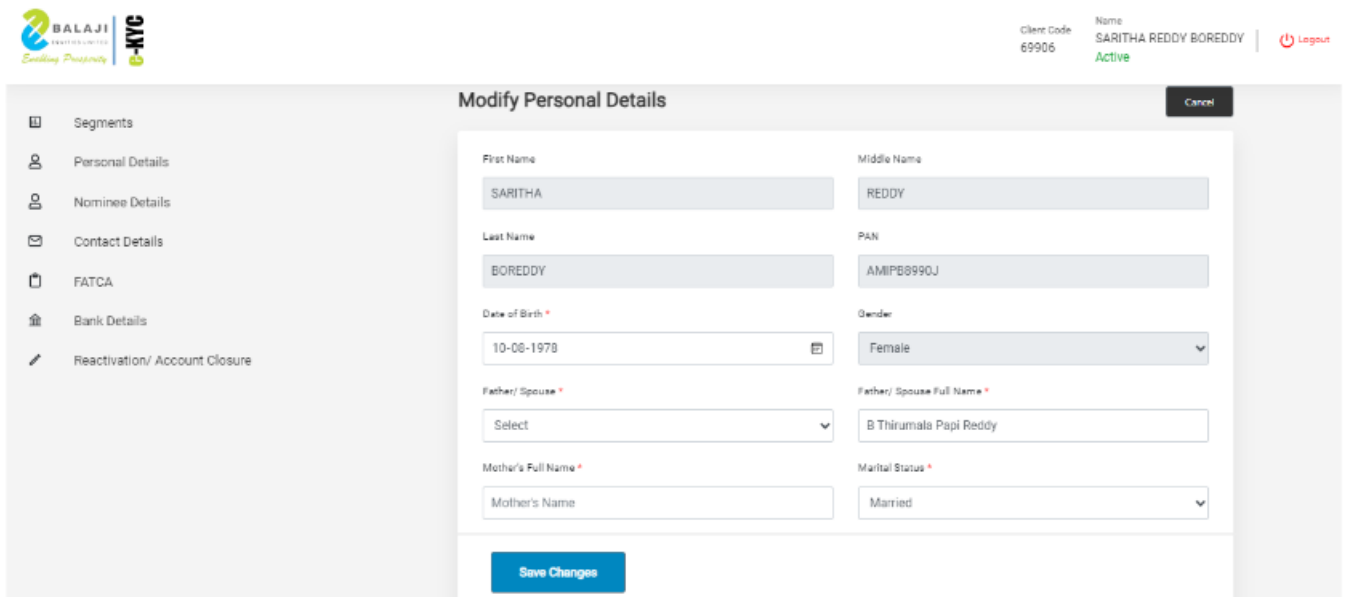
3. Nominee Details :- (screenshot with the existing data)

Modify of Nominee details shall display the list of fields that can be modified & saved.
Nominee proof - Dropdown with the list of proof selectable & upload the same.

4. Contact Details :-

User shall have the option to modify Mobile, Email by validating with an OTP
Modification of Permanent Address will initiate Digilocker to fetch address and save as XML Aadhaar to be uploaded for KRA

5. FATCA :- User shall be able to view the existing FATCA details & on Modify all the fields are editable and saved.

FATCA

← Back to Home Screen

FATCA
Indian

Background Details

Occupation	Gross Annual Income	Politically Exposed Person
Private Sector	Btw Rs. 1 to Rs. 5 Lacs	

Trading Experience

Prior experience	Experience in Equities (In Years)	Experience in Derivatives (In Years)

Experience in Commodities (In Years)

Client Code 69906
Name SARITHA REDDY BOREDDY
Active

Modify FATCA

Cancel

FATCA *
No

Background Details

Occupation *
Private Sector

Gross Annual Income *
Btw Rs. 1 To Rs. 5 Lacs

Politically Exposed Person *
No

Trading Experience

☐ No prior experience *   ☐ Experience in Equities (In Years) *

☐ Experience in Derivatives (In Years) *   ☐ Experience in Commodities (In Years) *

Save Changes

6. Bank Details :- Previous bank account details are shown

Client Code 69906
Name SARITHA REDDY BOREDDY
Active
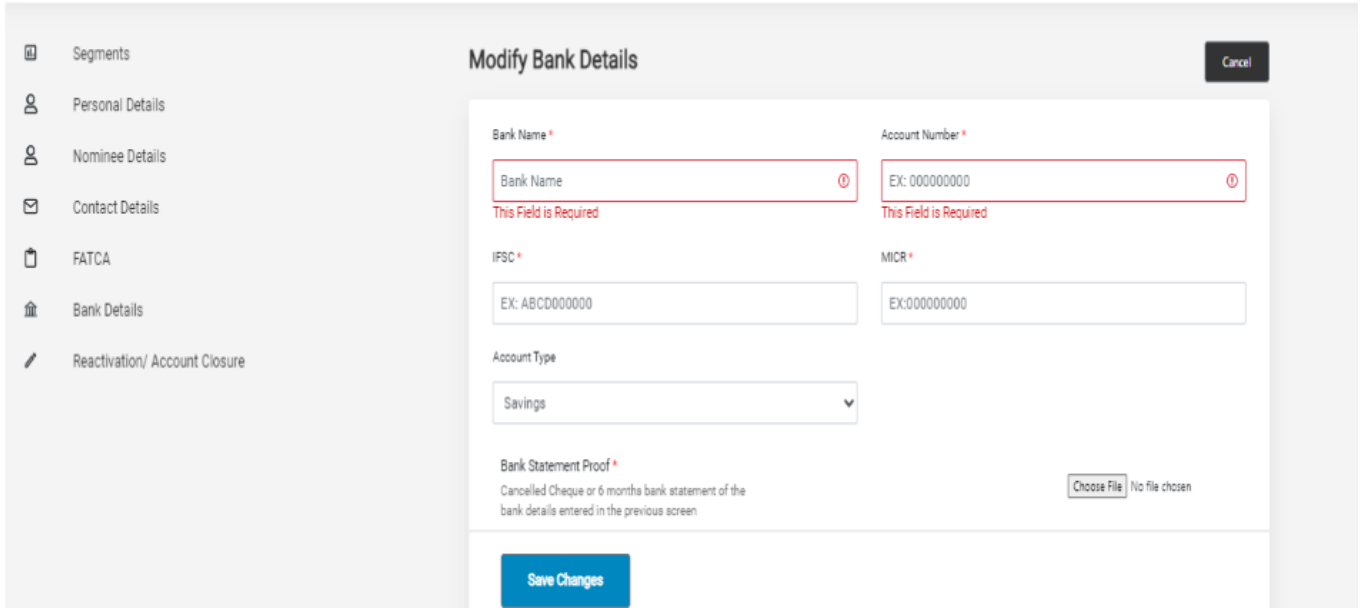
Bank Details

← Back to Home Screen

Bank Name	Account Number	IFSC
AXIS BANK LTD	008010101151365	UTIB0000008

MICR	Account Type	
500211002	Saving Account	

For Modification of Bank details, user to verify the Bank name, account number, IFSC & MICR.
On selection of Bank type there is a Penny drop functionality (api) to confirm the account status.
Bank proof to be uploaded by the user on successful pennydrop transaction. (screenshot below)
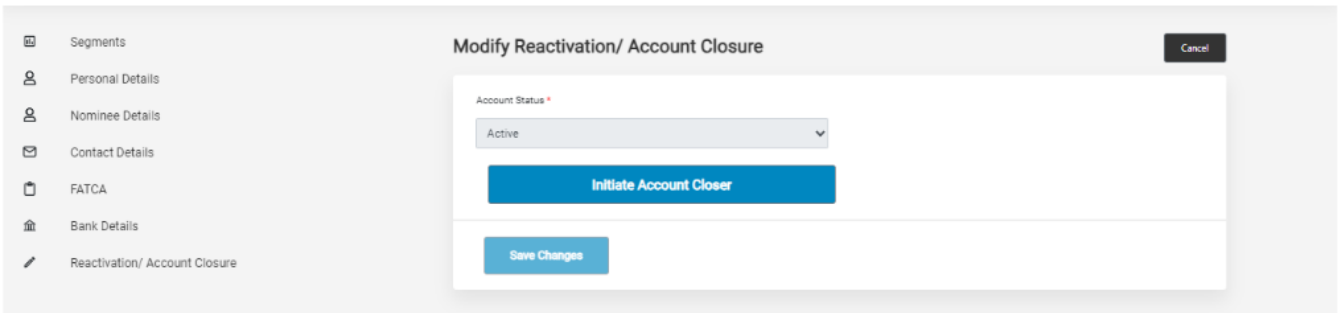
7. Reactivation / Account Closure :- Based on Account Status the options are dynamic on the screen.
   a. Active Account – Initiate Account Closure is displayed for selection & to Save
      i. An closure request template is sent to DP team
      ii. DP team to approve after checking the balance, holdings if any in the account
      iii. If there is a balance user to clear the total amount to close the account
      iv. If any holdings, on login there are additional fields to upload the DP Number & the CMR copy of the demat account to transfer the holdings
      v. User to finally, login and complete the esignature process.
   b. Inactive Accounts – Initiate Reactivation is selectable

On completion of the required modifications, user to click on Review & Submit to view the list of modifications done (screenshot below)

User to upload the Specimen signature, the cropped image (required to upload to the regulatories)

User to click on Digilocker to navigate to the UIDAI website and confirm to fetch the eAadhaar.

There ends the Modifications Module for the client.